# E.I.D. PARRY (INDIA) LTD.,

# Distillery Division – Sankili

# COMPLIANCE FOR ENVIRONMENTAL CLEARANCE

**F. No. J-11011/157/2003-IA-II**

# A.SPECIFIC CONDITIONS

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| **S.No.** | **MoEF CONDITIONS** | **COMPLIANCE** |
| i | The industry shall ensure that the treated effluent and stack emission from the unit are within the norms stipulated under EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipments adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency. | All the effluents are within the standards stipulated by the board. We are maintaining all the pollution control equipments properly. We have engaged MoEF & NABL accredited third party agencies for monitoring. WE have also provided Online Continuous Emission Monitoring System and connected to CPCB & APPCB website.  |
| ii | The company shall adopt state of the art continuous fermentation technology with reboiler system and ensure that the spent wash generated does not exceed 8-10KL/KL alcohol produced. | We have provided continuous fermentation technology and reported that spent washgeneration is about 9 to 9.6 KL/KL alcohol produced |
| iii | The unit shall not operate for more than 270 days in a year as per the CPCB guidelines | We have obtained EC Amendment order from MoEF & CC vide order F.NO: J-11011/157/2003-IA II (I) Dated 25.02.2015 for operating the industry 365 days and change in disposal of spent wash for monsoon and non- monsoon season. |
| iv | Biomethanation followed by Biocomposting with press mud shall be practiced for utilization of spent wash. The Biogas generated should be utilized for steam generation in the Boiler, which shall be provided with bag filter. | Biomethanated spent wash is being treated by Reverse Osmosis plant to get 47-48% recovery of pure water and the rejects being used in Multiple effect evaporator to get 65% clear condensate and the final concentrate from evaporator being used in Bio-composting process. The Biogas being used in the Boiler for steam generation, which is provided with three field ESP. |
| v | Land and other requirements for treatment of spent wash with press mud shall be as per the CPCB guidelines. The company shall earmark area of 15 acres for Biocomposting and storage of press mud and finished products.Spentwash storage shall not be more than 30 days. The company shall monitor the soil and groundwater quality in the Biocompost and project area on a regular basis and submit half-yearly reports to SPCB and the ministry. | We have provided 15 acres of Bio composting yard for storage of pressed mud. Spent wash is not being stored more than 30 days as directed by the board. We are regularly monitoring the soil and ground water quantity as directed and reports are being submitted to the board along with the half-yearly compliance reports. |
| vi | The company shall develop 5000 acres of nearby land with sweet sorghum to supplement the requirement of molasses in future. | We have developed nearby land with sweet sorghum as directed by the board.**Photographs are attached as annexure for your kind perusal.** |
| vii | The company shall undertake rain water harvesting measures. | We have taken up rain water harvesting measures in which the raindrops are collected and then stored for future use, rather than allowing them to run off.**Photographs are attached as annexure for your kind perusal.** |
| viii | As reflected in the EIA/EMP, green belt of adequate width and density shall be provided to mitigate the effects of fugitive emission all around the plants as per the CPCB guidelines in consultation with local DFO. | We have developed green belt in and around the industry premises as directed. We are taking up plantation activity every year. Recently we have planted green belt in 2.0acres for this financial year.**Photographs are attached as annexure for your kind perusal.** |
| ix | Occupational health surveillance programme shall be undertaken as a regular exercise for all the employees and their medical records maintained. | We are conducting occupational health surveillance programmes for our workers in regular intervals and records are maintained. |
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**B.GENERAL CONDITIONS**

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| **S.No.** | **MoEF CONDITIONS** | **COMPLIANCE** |
| i | The project authorities shall strictly adhere to the stipulation made by the Andhra Pradesh pollution Control Board and the state government. | We are following all the conditions issued by MoEF & CC, AP State Pollution control Board time to time. |
| ii | No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment & Forest. | We have obtained EC Amendment to MoEF & CC and obtained EC Amendment order for change in number of working days and disposal of spent wash based on season. Now under Ethanol Blending programme we are applying for EC Expansion. |
| iii | Ambient Air Quality Monitoring Station shall be set up in the down wind direction as well as where maximum ground level concentration of SPM,SO2,NOx are anticipated in consultation with the State Pollution Control Board. | Ambient air quality monitoring is being carried out by accredited third party organization and the values recorded are within the limits.**Reports are attached as annexure for your kind perusal.** |
| iv | Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring shall be carried out for relevant parameters. | Effluent parameters at inlet and outlet are regularly monitored by MoEF & NABL accredited third party agencies.**Reports are attached as annexure for your kind perusal.** |
| v | The overall noise level in and around the plant area shall be kept well within the standards (85 dBA)by providing noise control measures including acoustic hoods,silencers,enclosures etc. on all sources of noise generation. The ambient noise level shall conform to the standard prescribed under EPA rules,1989 viz. 75 dBA (day time) and 70 dBA (night time) | We are complying with the noise level norms issued by the board. The noise levels are well below the standards. Noise level monitoring by MoEF & NABL accredited third party agencies. All the values are within the standards.**Reports are attached as annexure for your kind perusal.** |
| vi | The project proponent shall comply with all the Environmental protection measures and safeguards recommended in the EIA report. | We are following environmental protection measures as recommended in the EIA report. |
| vii | A separate environmental management cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental management and monitoring function. The project authorities shall provide adequate funds both recurring and nonrecurring to implement the conditions stipulated by the ministry of Environment and Forest as well as the state government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purposes. | Full-fledged laboratory provided to carry out environmental management and monitoring function along with funds. We will ensure that the funds assigned for environmental protection and management will not be diverted for any other purpose.  |
| viii | The implementation of the project vis-à-vis environmental action plan will be monitored by Ministry’s regional office at Bangalore /state Pollution control board/central Pollution Control Board. A six month compliance status report along with monitored data shall be submitted to the monitoring agencies. | We are now submitting EC six monthly compliance reports along with monitored data to the MoEF Regional office-Chennai through mail to (eccompliance-ap@gov.in) for the period 01st October 2019 to 31st March 2020 as on June 2020 and same will be submitted to the Regional Office-Srikakulam through APPCB website pcb.gov.in. |
| 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 State Pollution Control Board/Committee may also be seen at website of the Ministry of Environment &forest at http:/envfor.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 Regional office. | We have informed the public regarding obtaining of EC Order as directed by publishing it in newspapers.  |
| x | The project authorities shall inform 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 land development work. | We have informed the regional office regarding progress in the project and about financial closure.  |

**M/S. EID PARRY (INDIA) LTD**

**COMPLIANCE FOR ENVIRONMENTAL CLEARANCE**

**Order No: F. No. J-11011/157/2003- IA II (I), Dated: 25.02.2015**

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| S.No. | Condition | Compliance |
|  | Spent wash shall be treated through bio-methanation followed by RO. Permeates will be recycled/reused for process and cooling tower makeup. Rejects will be concentrated in MEE. Concentrate will be dried through ATFD and drum dryer to achieve dried powder. Dried powder will be sold as potash fertilizer. By using this technology, the Distillery can be operated for 365days. | We are having facility to treat spent wash through bio methanation followed by RO. Permeates will be recycled and rejects are sent to MEE. Concentrate is being dried through ATFD. Dried powder is sold as potash fertilizer. |
|  | Spent wash shall be treated through bio-methanation followed by RO. Permeates will be recycled/reused for process and cooling tower makeup. Rejects will be concentrated in MEE. Concentrate will be bio-composted with press mud. By using this technology, the Distillery can be operated for 270 days except monsoon season. | We have provided ATFD for drying the concentrate from MEE. |
|  | Spent wash shall be stored in impervious RCC lagoon with HDPE lining as per CPCB guidelines and should be kept in proper condition to prevent ground water pollution. | Spent Wash is being concentrated in MEE Impervious lagoons with HDPE lining has been provided as per the CPCB guidelines. |
|  | As proposed, no effluent from distillery shall be discharged outside the premises and Zero discharge shall be achieved. | We have implemented Zero Liquid discharge system to remove all the liquid waste from the processed water. The focus of ZLD is to reduce wastewater discharge into the environment which is beneficial to the environment. |
|  | No effluent shall be discharged into river. In the event of failure of any effluent treatment plant adopted by the unit, the distillery plant shall not be restarted until the control measures are rectified to achieve the desired efficiency. | We have implemented Zero Liquid Discharge system to reduce the discharge of waste water into the environment. No effluent is being discharged into the river or any other water body. The treated effluent is recycled back into the process and the spent wash generated is being stored and used in preparation of bio compost. |
|  | Automatic/online monitoring system (24x7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the respective SPCB and in the Company's website. | We have provided online monitoring system and connected the same to SPCB and CPCB server. |
|  | Company shall ensure the quality and market ability of bio-compost produced by distilleries by standard labeling such as 'AGMARK'. | We are ensuring the quality of bio-compost produced by our company. |
|  | Freshwater requirement shall not exceed 325m3/day. Remaining water requirement shall be met from recycled/treated water. | We are not exceeding the water requirement as directed. We are recycling the treated waste water back to the process. We are not using more than the stipulated quantity of water. |
|  | Adequate numbers of ground water quality monitoring stations by providing piezo meters around the project area should be set up. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to SPCB and this Ministry. The groundwater quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids should be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Chennai and SPCB/CPCB. | We are not using ground water. Water requirement is met from Nagavali river. However there are 4 Nos. of piezeowells in bio compost yard and monitoring of ground water quality is being carried out by authorized third party agency |