



सत्यमेव जयते

File No: IA-J-11011/277/2023-IA-II(I)
Government of India
Ministry of Environment, Forest and Climate Change
IA Division



Date 08/12/2023



To,

Dharmendra Kumar Batra
PICCADILY AGRO INDUSTRIES LIMITED
Village Bhadson, Umri Indri Road, Tehsil Indri, District Karnal, Haryana , KARNAL, HARYANA, ,
134109
environment.indri@piccadily.com

Subject:

Proposed establishment of 210 KLPD Grain based Distillery (200 KLPD Ethanol/ Rectified Spirit /Extra Neutral Alcohol/ Industrial Alcohol/ Denatured Spirit/ Specially Denatured Spirit & 10 KLPD Malt Spirit) along with 6.25 MW Co-generation Power Plant at Village Beltukri, Tehsil & District Mahasamund, Chhattisgarh by M/s Piccadily Agro Industries Ltd. -Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 - regarding.

Sir/Madam,

This is in reference to your application submitted to MoEF&CC vide proposal number IA/CG/IND2/449457/2023 dated 19/10/2023 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC23A2504CG5568277N
(ii) File No.	IA-J-11011/277/2023-IA-II(I)
(iii) Clearance Type	Fresh EC
(iv) Category	A
(v) Project/Activity Included Schedule No.	5(g) Distilleries
(vi) Sector	Industrial Projects - 2 Proposed 210 KLPD Grain based Distillery (200 KLPD Ethanol/ Rectified Spirit /Extra Neutral Alcohol/ Industrial Alcohol/ Denatured Spirit/ Specially Denatured Spirit & 10 KLPD Malt Spirit) along with 6.25 MW Co-generation Power Plant at Village Beltukri, Tehsil & District Mahasamund,
(vii) Name of Project	

(viii) Name of Company/Organization
(ix) Location of Project (District, State)
(x) Issuing Authority
(xi) Applicability of General Conditions as per EIA Notification, 2006

Chhattisgarh by M/s. Piccadily Agro Industries Ltd
PICCADILY AGRO INDUSTRIES LIMITED
MAHASAMUND, CHHATTISGARH
MoEF&CC
No

3. The Ministry of Environment, Forest and Climate Change has examined the proposal for proposed establishment of 210 KLPD Grain based Distillery (200 KLPD Ethanol/ Rectified Spirit /Extra Neutral Alcohol/ Industrial Alcohol/ Denatured Spirit/ Specially Denatured Spirit & 10 KLPD Malt Spirit) along with 6.25 MW Co-generation Power Plant at Village Beltukri, Tehsil & District Mahasamund, Chhattisgarh by M/s Piccadily Agro Industries Ltd.

4. The proposal was considered in EAC (Ind-2) meeting held on 30th – 31st October, 2023 wherein the project proponent and their accredited Consultant M/s. J.M. EnviroNet Pvt. Ltd. (NABET certificate no. NABET/EIA/2023/SA 0172 and validity till 31st October, 2023) made a detailed presentation on the salient features of the project. The minutes of the meeting and all the Application and documents submitted [(viz. Form-1 Part A, Part B, Part C EIA, EMP)] are available on PARIVESH portal which can be accessed by scanning the QR Code available above or through the following web link [click here](#).

5. As per EIA Notification dated 14th Sep, 2006 and as amended on 13th June, 2019, the project falls under Category “A” and are appraised at Central level in MoEFCC, New Delhi.

6. The details of products and capacity are enclosed at Annexure-2.

7. Standard Terms of Reference has been issued by Ministry of Environment, Forest & Climate Change (MoEFCC) vide letter no. IA-J-11011/277/2023-IA-II(I) dated 31st July, 2023. It was informed that there is no litigation pending against the project.

Public Hearing for the proposed project had been conducted by the Chhattisgarh Environment Conservation Board on 29th September, 2023 at project premises chaired by Shri Durgesh Verma, Additional Collector, District Mahasamund. The main issues raised during the public hearing and their action plan is enclosed at Annexure-5.

8. Total land area required is 9.0 hectares. Greenbelt will be developed in total area of 2.97 hectare i.e., 33% of total project area. The estimated project cost is Rs. 182 Crores. Capital cost of EMP would be Rs 20 Crores and recurring cost for EMP would be Rs. 2.0 Crores per annum. Industry proposes to allocate Rs. 2.73 Crores towards Extended EMP (Corporate Environment Responsibility). Total Employment will be 150 persons as direct & indirect.

9. There are no National Parks, Wildlife Sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors, etc. within 10 km distance. Reserved Forests/protected forests: (Kukradih RF is at a distance of 5.0 km in NE direction from project site, Tumgaon RF is at a distance of 5.5 km in ESE direction, Sirpur RF is at a distance of 7.0 km in NE direction, Sorid PF is at a distance of 8 km in SE direction. Water bodies: Kurar Nadi is at a distance of 1.5 km in SW direction), Kantori Nadi is at a distance of 2.5 km in WSW direction, Mahanadi River is at a distance of 4 km in NW direction. The company has obtained No Flood NOC from Executive Engineer, Water Resource Department, District Mahasamund (Chhattisgarh) vide letter no./2890/Karya/2023-24 dated 09.10.2023 stating that the area does not fall in flood plain of Kodar river.

10. Ambient air quality monitoring was carried out at 8 locations during summer season March to May, 2023 and the baseline data indicates the ranges of concentrations as: PM₁₀ (51.3 to 70.6 g/m³), PM_{2.5} (22.9 to 39 g/m³), SO₂ (5.2 to 12.9 g/m³), NO₂ (13.7 to 23.9 g/m³). AAQ modeling study for point source emissions indicates that the maximum incremental GLCs after the proposed would be 0.206 g/m³, 0.516 g/m³, 0.72 g/m³ and 0.82 g/m³ with respect to PM_{2.5}, PM₁₀, SO₂ and NO_x. The resultant concentrations are within the National Ambient Air Quality Standards (NAAQS).

11. Total fresh water requirement will be 1102 CMD which will be met from Surface water (Mahanadi River through Samodha Dam). NOC has been obtained by Chhattisgarh Government, State Investment Promotion Board vide letter no. 1073/SIPB/2021 dated 10.05. 2023. Effluent of 1002 CMD which is treated through Condensate Polishing Unit of capacity 1200 CMD. STP of capacity 30 KLPD will be installed to treat sewage generated from factory premises. The plant will be based on Zero Liquid discharge system and no effluent/treated water will be discharged outside factory premises.

12. Power requirement will be 6.0 MW and will be met from proposed 6.25 MW Co- Generation Power Plant. 45 TPH and 15 TPH Biomass/Rice Husk/ Coal fired boiler will be installed. APCE ESP with a stack of height of 60 m will be installed for controlling the particulate emissions within the statutory limit of 30 mg/Nm³ for the proposed boiler. 1500 KVA D.G. set will be used as standby during power failure and stack height 6m will be provided as per CPCB norms to the proposed DG sets.

13. Details of Processemissions generation and its management:

- APCE ESP with a stack of height of 60 m will be installed for controlling the particulate emissions within the statutory limit of 30 mg/Nm³ for the proposed boiler.
- CO₂ generated (160 TPD) during the fermentation process of distillery & Malt Spirit will be collected and in CO₂ plant sold to authorized vendors.
- Online Continuous Emission Monitoring System will be installed with the stack and data will be transmitted to CPCB/SPCB servers.

14. Details of solid waste/Hazardous wastegeneration and its management:

- Solid waste from the Grain based distillery operations generally comprises of fibres and proteins in the form of DDGS (91 TPD), which will be ideally used as Cattle, poultry and fish feed ingredients.
- Boiler ash (116 TPD) generated during coal-based operations will be given to cement/ Brick manufactures in covered vehicles only.
- Used oil & grease (0.5 KL/annum) generated from DG Sets & plant machinery/gear boxes as hazardous waste will be given to the CPCB authorized recyclers or used as in-house lubricant.

15. Total land of 9.0 hectares is under the possession of the company. The company has applied for land conversion to Sub-Divisional Magistrate, Mahasamund vide PAIL/C.G./10 dated 08.09.2023 & PAIL/C.G./14 dated 10.10.2023.

16. During deliberations, EAC discussed following issues:

- PP informed that Industry has already acquired the land connecting the road to the plant. Registered land documents (Khasra nos. 3023- 3026).
- EAC suggested to increase the budget of socio economic developmental activities from 1.82 Crores to 2.73 Crores to be spent before commissioning of the plant.
- PP informed that Industry will install 600 KW solar power in form of solar plant/solar lights /solar panels/solar gadgets etc. within plant and the nearby areas.
- PP informed that Industry is proposing 45 TPH and 15 TPH Biomass/Rice Husk/Coal fired boiler. Two ESPs as APCE with a common stack of height of 60 m will be installed for controlling the particulate emissions within the statutory limit of 30 mg/Nm³ for the proposed boilers.
- EAC suggested that Industry shall complete greenbelt development within 1 year.
- PP informed that Industry shall adopt Rainwater harvesting within plant premises. Approximately 54285 cum/annum will be collected in tanks/pond & stored water will be reused inside the plant.

PP agreed to abide by all the above suggestions made the committee. Further, Committee desired to submit the above

information in writing. Accordingly, PP has submitted the desired information and EAC found the information/commitments satisfactory.

17. 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 the 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 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.

18. The Committee noted that the EMP report is in compliance of the ToR. The Committee deliberated on the CER plan and found to be addressing the issues in the study area. 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.

19. 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.

20. 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 **proposed establishment of 210 KLPD Grain based Distillery (200 KLPD Ethanol/ Rectified Spirit /Extra Neutral Alcohol/ Industrial Alcohol/ Denatured Spirit/ Specially Denatured Spirit & 10 KLPD Malt Spirit) along with 6.25 MW Co-generation Power Plant at Village Beltukri, Tehsil & District Mahasamund, Chhattisgarh by M/s Piccadily Agro Industries Ltd**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions enclosed at Annexure-1.

21. 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.

22. 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.

23. 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.

24. 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.

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

Copy To

1. The Principal Secretary Forest, Mahanadi Bhawan, Nawa Raipur, Atal Nagar Chhattisgarh, India
2. Regional Officer, Ministry of Environment, Forest and Climate Change, Integrated Regional Office, Aranya Bhawan, North Block, Sector-19 Naya Raipur, Atal Nagar, Chhattisgarh - 492002
3. The Member Secretary, Central Pollution Control Board Parivesh Bhavan, CBD-cum-Office Complex, East Arjun Nagar, Delhi -32
4. The Member Secretary, Chhattisgarh Environment Conservation Board, Paryavas Bhavan, North Block Sector-19 Naya Raipur (C.G.) 492002.
5. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi.
6. District Magistrate/ Collector, Mahasamund, Chhattisgarh.
7. Guard File/Monitoring File/Parivesh portal/Record File.

Annexure 1

Specific EC Conditions for (Distilleries)

1. Specific Condition

S. No	EC Conditions
1.1	<p>1.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 (Annexure-3).</p> <p>2.EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project. Conversion of land use (CLU) certificate shall be obtained before start of construction activities.</p> <p>3.NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing water from surface Water. State Pollution Control Board shall not issue the Consent to Operate (CTO) under Air (Prevention and Control of Pollution) Act and Water (Prevention and Control of Pollution) Act till the project proponent shall obtain such permission. No ground water shall be used for the plant operations.</p> <p>4.Total Fresh water requirement shall not exceed 800 KLPD m³/day (4 KL/KL) for grain based distillery, 100 KLPD Malt plant, 150 KLPD bottling plant and 50 KLPD domestic and others which will be met from Mahanadi River. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.</p> <p>5.Spent Wash/stillage shall be sent to the decanter followed by the Multiple Effect Evaporator and dryer to form DDGS. DDGS to be used as cattle feed. The MEE & Drier condensate, spent lees, WTP Rejects, Boiler & Cooling tower blowdowns, washings etc. shall be treated in the 'Condensate Polishing Unit' (CPU). STP shall be installed to treat domestic wastewater. The plant will be based on 'Zero Liquid Discharge' system and no effluent/treated water will be discharged outside factory premises.</p> <p>6.APCE ESP (5 field) with a stack height of 60 m will be installed for controlling the particulate matter emissions within the statutory limit of 30 mg/Nm³ for the proposed 45 TPH & 15 TPH Biomass/Rice Husk/ Coal fired boilers. SO₂ and NO_x emissions shall be less than 100 mg/Nm³. At</p>

S. No	EC Conditions
	<p>no time, the emission levels shall exceed the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Performance assessment of pollution control devices/ systems will be conducted annually.</p> <p>7.Boiler ash (116 TPD) shall be sent to the brick manufacturers in covered vehicles. PP shall install 600 kW solar power inside plant premises.</p> <p>8.CO₂ (160 TPD) generated during the fermentation process will be collected in CO₂ plant and it shall be sold to authorized vendors.</p> <p>9.PP shall allocate at least Rs. 0.50 Crore/annum for Occupational Health Safety. Occupational Health Centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.</p> <p>10.Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.</p> <p>11.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. PESO certificate shall be obtained. Location of ethanol storage tanks shall be placed in such a way that in the event of any fire, accident, explosion or any unforeseen conditions the impact of such event should not go beyond the boundary of the plant i.e. the risk should be tolerable (acceptable) at the boundary.</p> <p>12. Company shall maintain an Emergency Response Decision support system in such a way so that identification of the detector's network for the location of the leak source and the probable leaked quantity in real-time, followed by modelling of the dispersion of the plume and consequences as forecast is done in advance and thus, no leak accident may go unattended. Accordingly, Risk Mitigation plan shall be in place.</p> <p>13.Company shall determine the distance of fire hydrant while finalizing its location from ethanol storage tanks or any other hazardous storage substance shall be based on dispersion of Thermal Radiation so that during any unforeseen situation fire hydrant is always available to operate manually.</p> <p>14.Process organic residue and spent carbon, if any, shall be sent to Cement and other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.</p> <p>15.The company 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.</p> <p>16.The green belt of at least 5-10 m width shall be developed in nearly 2.97 hectares i.e., 33 % of the total project area with tree density @ 2500 trees per hectares, mainly along the plant periphery. Indigenous species shall only be developed as part of greenbelt and non-indigenous / alien species shall be replaced with native species. No invasive or alien or non-native tree species shall be selected for plantation. PP shall develop at least 20 variety of species as a part of</p>

S. No	EC Conditions
	<p>greenbelt. Saplings 4-6 feet high shall be planted. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department and native species shall be developed. Records of tree canopy shall be monitored through remote sensing map. Greenbelt development shall be completed before commissioning of the plant.</p> <p>17.PP proposed to allocate Rs. 2.73 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan (Annexure- 4 &5). Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.</p> <p>18.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. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc.</p> <p>19.Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.</p> <p>20.Continuous online (24x7) monitoring system for stack emissions/effluent 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.</p> <p>21.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. EMC head shall report directly to Head of Organization/ Director/CEO as per company hierarchy.</p> <p>22.PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.</p>

Standard EC Conditions for (Distilleries)

1. General Conditions

S. No	EC Conditions
1.1	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

S. No	EC Conditions
	made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
1.2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
1.3	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).
1.4	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.
1.5	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.
1.6	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.
1.7	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.
1.8	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.
1.9	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.
1.10	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.

S. No	EC Conditions
1.11	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.

Annexure 2

Details of the Project

S. No.	Particulars	Details	
a.	Details of the Project	Proposed 210 KLPD Grain based Distillery (200 KLPD Ethanol/ Rectified Spirit /Extra Neutral Alcohol/ Industrial Alcohol/ Denatured Spirit/ Specially Denatured Spirit & 10 KLPD Malt Spirit) along with 6.25 MW Co-generation Power Plant at Village Beltukri, Tehsil & District Mahasamund, Chhattisgarh by M/s. Piccadily Agro Industries Ltd	
b.	Latitude and Longitude of the project site	21.21912066348928,82.0780819818374 21.22229134270206,82.08271348370215	
c.	Land Requirement (in Ha) of the project or activity	Nature of Land involved	Area in Ha
		Non-Forest Land (A)	9
		Forest Land (B)	0
		Total Land (A+B)	9.0
d.	Date of Public Consultation	Public consultation for the project was held on	
e.	Rehabilitation and Resettlement (R&R) involvement	NO	
f.	Project Cost (in lacs)	18200	
g.	EMP Cost (in lacs)	2000	
h.	Employment Details		

Details of Products & By-products

Name of the product /By-product	Product / By-product	Quantity	Unit	Mode of Transport / Transmission	Remarks (eg. CAS number)
DDGS	By-Product	88	TPD	Road	DDGS will be utilized as Cattle feed
Carbon dioxide	By-Product	154	TPD	Road	CO2 will be collected and sold to vendors
Power	Product	6.25	Mega Watt (MW)	Cables	60 TPH Boiler with ESP
Ethanol/Rectified Spirit /Extra Neutral Alcohol/Industrial Spirit/Specially Denatured Spirit	Product	200	Kilo Litre per Day (KLD)	Road	Main product mix
Malt Spirit	Product	10	Kilo Litre per Day (KLD)	Road	Main product mix



Details of capital and recurring cost of EMP:

Particulars		Capital Cost (In crores)	Recurring Cost / annum (In crores)
Air Pollution management	ESP + Boiler stack+ Online monitoring system	7.35	0.65
Water Pollution management & Effluent Treatment	ZLD system, Condensate polishing unit& STP	9.8	1.1
Environment monitoring	Lab instrument	0.7	0.1
	Online monitoring System of air and water		
	Third party investment for monitoring		
	Others		
Solid waste management	Ash handling & management	1.3	0.1
	Others		
Greenbelt & plantation development	Plantation for greenbelt	0.35	0.05
Rain water harvesting	Required infrastructure	0.5	-
Total		20.0	2.0

Details of CER with proposed activities and budgetary allocation:

S. No.	PROPOSED ACTIVITIES	IMPLEMENTATION OF EMP FOR SOCIAL AND INFRASTRUCTURE DEVELOPMENT ON THE BASIS OF PHYSICAL TARGETS		TOTAL BUDGET ALLOCATED (RS. IN LAKHS)
		Year 1	Year 2	
1.	Up gradation of School infrastructure & Educational facilities- Provide Interactive smart class equipment like desktop computers, projectors, Interactive White Boards, distribution of study materials, potable water facility and solar panel installation.	Rs. 50.0 Lakhs (Govt. school in Village Acholi)(4 nos. potable water facilities- Rs. 2 lakh, solar panels installation- Rs. 20 lakhs, Rs 28 lakhs for desktop computers, projectors, Interactive White Boards and distributing study materials, school bags, sports equipment, etc.)	Rs. 50.0 Lakhs (Govt school in Village Beltukari) (4 nos. potable water facilities- Rs. 2 lakh, solar panels installation- Rs. 20 lakhs, Rs 28 lakhs for desktop computers, projectors, Interactive White Boards and distributing study materials, school bags, sports equipment, etc.)	Rs. 100 lakhs
2.	Skill development for youth & women- Organising Training programmes for youth/residents in Skill Development centre; women empowerment- training w.r.t sewing, nursing, arts & crafts etc.; Training with respect to functioning of Effluent Treatment	Rs. 41.5 lakhs (Village- Tumgaon) Benefit extended to approx. 100	Rs. 41.5 lakhs (Village- Chhindauli) Benefit extended to approx. 100 persons & 50 women)	Rs. 83.0 lakhs

S. No.	PROPOSED ACTIVITIES	IMPLEMENTATION OF EMP FOR SOCIAL AND INFRASTRUCTURE DEVELOPMENT ON THE BASIS OF PHYSICAL TARGETS		TOTAL BUDGET ALLOCATED (RS. IN LAKHS)
		Year 1	Year 2	
	Plant, Solid Waste Management etc.	persons & 50 women)		
3.	Social Infrastructure Development- Installation of Solar Street Light, Development of market places, Village Pond Infrastructure Development, Community Center development etc.	Rs. 25.0 Lakhs (Village – Acholi) (Rs. 3 Lakhs for 75 nos. solar street light, Rs. 6 Lakhs for local pond development, Rs. 8 lakhs will be provided for development of market places, Rs. 8 Lakhs for Community Center development)	Rs. 25.0 Lakhs (Village- Beltukari) (Rs. 3 Lakhs for 75 nos. solar street light, Rs. 6 Lakhs for local pond development, Rs. 8 lakhs will be provided for development of market places, Rs. 8 Lakhs for Community Center development)	Rs. 50.0 lakhs
4.	Plantation- Plantation/ Avenue plantation along roadside, tree plantation in nearby schools/colleges/vacant land/Panchayat bhavan, etc.	Rs. 20.0 Lakhs (3000 nos in Village- Acholi)	Rs. 20.0 Lakhs (3000 nos in Village- Chhindauli)	Rs 40.0 lakhs
TOTAL				Rs. 273 Lakhs

The main issues raised during the public hearing and their action plan:

Issues in brief	Action plan in brief	Budget allocated and timeline
Employment (Local Persons)	Total manpower required for operation of plant is around 150 employees (100 permanent & 50 temporary) and 100 employees (10 permanent & 90 temporary) during the construction phase which will be provided to the local people and will be employed as per their skills and qualification.	Rs. 40 lakhs will be allotted for the skill development for youth.
Pollution		
Air Pollution	ESP with a stack height of 60 m will be installed with the boiler for air pollution control. Online stack monitoring system will be installed with the stack and data will be transmitted to SPCB and CPCB server.	Rs. 7.35 crores will be allocated for stack, ESP and Online Monitoring System. Recurring cost is 0.65 crores/annum.
Water Pollution	<ul style="list-style-type: none"> The Proposed project will be based on Zero Liquid discharge (ZLD). Total industrial effluent will be treated in Effluent Treatment Plant (ETP)/ Condensate Polishing Unit (CPU). After treatment 100% treated water will be reused/ recycle in the plant. Domestic waste water will be treated in STP and Treated water will be used for greenbelt development/ plantation. 	Rs. 9.8 crores will be allocated for Effluent treatment facilities (Spent wash treatment facilities, ZLD System, ETP/ CPU and STP). Recurring cost is 1.1 crores/annum.
Solid Waste	Ash will be stored in silos and given to the cement/brick manufacturers in covered vehicles.	Rs. 1.3 crores will be allocated for Ash handling & Storage. Recurring cost is 0.1 crores/annum.
Miscellaneous issues related to environment, public hearing.		
CER activities	The company will strengthen the infrastructure for education, skill development, social infrastructure and Plantation in nearby villages as per their need basis assessment.	The company will be spending 1.82 crores in two years for socio-economic developmental activities for all relevant issues raised during the public hearing.
Manufacturing of Liquor	Ethanol Produced by the company would be utilized for the Ethanol blending Programme (EBP) run by Government of India (GOI) as part of the Make in India Project and the remaining products (Ethanol/ Rectified Spirit /Extra Neutral Alcohol/ Industrial Alcohol/ Denatured Spirit/ Specially	-

Issues in brief	Action plan in brief	Budget allocated and timeline
	Denatured Spirit and Malt Spirit) will be sold under the control of the Excise Department of the State Government.	
Habitation	There is no habitation in 1 km radius of study area and the complete process of distillery will be based on “Zero Effluent Discharge”. Out of the Total Plant area 33% will be developed for greenbelt/plantation.	<ul style="list-style-type: none"> Rs. 7.35 crores will be allocated for Air Pollution. Rs. 9.8 crores will be allocated for water pollution and Effluent treatment facilities. Rs. 1.3 crores will be allocated for ash handling.

