



Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment
Authority(SEIAA), TELANGANA)

To,

The Regional Manufacturing Head - South 1
M/S ALLIED BLENDERS AND DISTILLERS PVT. LTD.
394-C, Lamington Chambers, Lamington Road -400004

Subject: Grant of Environmental Clearance (EC) to the proposed Project Activity under the provision of EIA Notification 2006-regarding

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) in respect of project submitted to the SEIAA vide proposal number SIA/TG/IND2/403131/2022 dated 18 Oct 2022. The particulars of the environmental clearance granted to the project are as below.

- | | |
|--------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1. EC Identification No. | EC23B022TG193689 |
| 2. File No. | SIA/TG/IND2/403131/2022 |
| 3. Project Type | Expansion |
| 4. Category | B |
| 5. Project/Activity including Schedule No. | 5(g) Distilleries |
| 6. Name of Project | Proposed Expansion of Existing Grain Based Distillery from 150 KLPD (150 KL x 365 days = 54,750 KLPA) to 180 KLPD (180 KL x 365 days = 65,700 KLPA) along with existing 6.5 MW Power Plant by M/s. Allied Blenders and Distillers Private Limited |
| 7. Name of Company/Organization | M/S ALLIED BLENDERS AND DISTILLERS PVT. LTD. |
| 8. Location of Project | TELANGANA |
| 9. TOR Date | N/A |

The project details along with terms and conditions are appended herewith from page no 2 onwards.

Date: 09/03/2023

(e-signed)
Smt. Sunita M Bhagwat, IFS
Member Secretary
SEIAA - (TELANGANA)

Note: A valid environmental clearance shall be one that has EC identification number & E-Sign generated from PARIVESH. Please quote identification number in all future correspondence.

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- I. Earlier, the industry obtained EC vide order dt.24.08.2009 from MoE&F, GoI for manufacturing production quantity of 150 KLPD grain based distillery to manufacture RS/ENA/Ethanol and 6.5 MW power plant in the name of M/s. Shasta Bio-fuels Pvt. Ltd. Subsequently, the industry obtained transfer of EC vide order dt. 29.07.2019 from MoEF&CC for name change from M/s. Shasta Bio-fuels Pvt. Ltd., to M/s. Allied Blenders and Distillers Private Limited.
- II. Now, the project proponent uploaded application online on 18.10.2022 (proposal No. **SIA/TG/IND2/403131/2022**) accepted on 28.10.2022 seeking Environmental Clearance for the proposed expansion of **Grain based Distillery unit & Captive Power Plant** in the name of **M/s. Allied Blenders and Distillers Private Limited., Survey No. 690/AA, 691/AA2 & 692, Rangapur (V), Pebbair (M), Wanaparthy District.** Subsequently, the proponent submitted reply to ADS vide lr.dt.30.12.2022. The nearest human habitation viz., Rangapur (V) exists at a distance of 1.9 km from the project site. It was reported that nearest water body i.e., Krishna River flows at a distance of 0.8 km from the project site. The total area of the site is Ac. 30.0. Out of that, area earmarked for development of Green belt is Ac. 10.81 (36.03%). The proponent obtained CFO vide order dt.24.03.2021 from TSPCB with validity upto 31.03.2026. The total cost of the proposed project after expansion is Rs. 302.60 Crores and the production capacity of the project after expansion is as following:

S.No	Product	Existing as per EC dt.24.08.2009	Proposed Expansion	After Expansion (Annual capacity)
1	ENA / RS/ Ethanol	150 KLPD	180 KLPD	65,700 KLPA (180 KL x 365 days)
2	Power Plant	6.5 MW	6.5 MW	2372.5 MW
By- product				
1	Impure Spirit	5.0 KLPD	6.0 KLPD	2,190 KLPA
2	Fusel Oil	0.1 KLPD	0.12 KLPD	43.8 KLPA
3	CO ₂	80.0 Tons/ day	96 Tons/ day	35,040 Tons/ annum
4	DWGS*	91.7 Tons/day	142 Tons/day	51,830 Tons/ annum
5	DDGS*			

- III. In the process, the raw materials viz., Grains (Maize, corn, Sorghum grain, broken rice and other starch based grains, etc.) are being stored in gunny bags in covered storage Godowns and fuel used are imported coal or biomass (rice husk).
- IV. 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 proposal in its meetings held on **22.11.2022 & 09.01.2023**. The project proponent obtained TORs (Auto generated) dt.23.06.2021 and the proponent already undergone the process of public hearing on 27.06.2009 at the time of initial EC & proposed distillery expansion is only 20% and achieved through process optimization route. Hence, the project is exempted from process of Public hearing for expansion proposal as per provisions of para 7 (ii) of EIA Notification & its amendments. Based on the information furnished, presentation made by the proponent and the consultant M/s. Anacon Laboratories Pvt. Ltd., Nagpur; Certified Compliance Report dt.08.09.2022 issued by IRO, Hyderabad of

MoEF&CC, Gol.; and also submitted Certified compliance report on CFO conditions vide Ir.dt.08.08.2022 of RO: Hyderabad of TSPCB; the Committee considered the project proposal and recommended for issue of Environmental Clearance. The State Level Environment Impact Assessment Authority (SEIAA) in its meeting held on **15.02.2023** examined the proposal and recommendations of SEAC for issue of Environmental Clearance. Accordingly, after discussions in the matter and considering the recommendations of the SEAC, **the SEIAA, Telangana hereby accords Environmental Clearance to the project for Expansion** as mentioned at Para no. II under the provisions of the EIA Notification 2006 and its subsequent amendments issued under Environment (Protection) Act, 1986 subject to implementation of the following specific and general conditions:

A. Specific Conditions:

i. Air pollution:

- i No additional Boiler is proposed for expansion. The existing 50 TPH Boiler shall be operated with ESP to control the particulate emissions from the stack of height 54 m connected to the Boiler (Imported Coal / Rice Husk/ Briquette). The Particulate Matter shall not exceed 50 mg/Nm³. D.G. Sets, if any, shall be provided with stack of adequate height as per norms.
- ii Sulphur content should not exceed 0.5% in the coal for use in coal fired boilers to control particulate emissions within permissible limits (as applicable). The gaseous emissions shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.
- iii The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.
- iv A separate Environmental Cell both at the project and company head quarter level, with qualified personnel shall be set up under the control of senior Executive, who will directly to the head of the organization.
- v Provision shall be made to provide Flue Gas Desulphurization (FGD) unit, if required in future.
- vi 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. On line Ambient air quality Monitoring Stations shall be installed. Energy meters shall be installed for all pollution control systems.
- vii Interlocking facility should be provided in the pollution control equipment so that in the event of the pollution control equipment not working, the boiler shall stop automatically.
- viii The company shall install adequate dust collection and extraction system to control fugitive dust emissions at various transfer points. Appropriate control systems such as bag filters shall be provided at all transfer points. Raw material screen houses, coal stock piles, belt conveyors etc.,

- ix As proposed, greenbelt of Ac. 10.81 (36.03%) shall 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 the road sides etc., Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.
- x Raw materials shall be transported in covered trucks. Raw materials shall be stored under sheds. All the belt conveyors shall be covered with G.I. sheets. Appropriate dust suppression system shall be provided all around the stockpiles and conveyor system. All the roads in the plant area shall be asphalted / concreted and water shall be sprinkled to suppress the dust. Trucks shall be parked in earmarked parking area.
- xi The industry shall monitor VOCs in ambient air with online VOC analyzer and connect the data to the server of TSPCB.
- xii The project proponent shall install 24x7 continuous emission monitoring system at stacks to monitor stack emission with respect to standards prescribed in Environment (Protection) Rules 1986 and connected to SPCB & CPCB online servers and calibrate these system from time to time according to equipment supplier specification through labs recognized under Environment (Protection) Act, 1986 or NABL accredited laboratories.
- xiii The project proponent shall monitor fugitive emissions in the plant premises at least once in every quarter through labs recognized under Environment (Protection) Act, 1986.
- xiv Storage of raw materials, coal etc shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- xv Acoustic enclosure shall be provided to DG set for controlling the noise pollution.
- xvi 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.
- xvii The ambient noise levels should conform to the standards prescribed under E(P)Act, 1986 viz., 75 dB(A) during day time and 70 dB(A) during night time.
- xviii The Industry shall provide energy sources for lighting purpose shall preferably be LED based.
- xix 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 TSPCB.

b) Water Pollution:

- i Ground water shall not be used in the process under any circumstances. The source of water is Krishna River, flowing at a distance of 0.8 km from the site, water drawl permission obtained from I & CAD, GoTS vide Ir.dt.15.11.2022. The proponent shall obtain permission for additional quantity. The total fresh water requirement after expansion shall not exceed 2400.0 KLD. Out of that, Quantity of water used for:

- Process is 525.0 KLD; Boiler feed is 400.0 KLD; Cooling tower makeup is 608.0 KLD; ETP tertiary is 840.0 KLD; Make-up for CO₂ recovery plant is 12.0 KLD & Domestic purpose is 15.0 KLD.
- ii The total waste water generated after expansion is 1422.0 KLD. Out of that, process is 900.0 KLD; Boiler blow down is 40.0 KLD; Cooling tower bleed of is 179.0 KLD; ETP tertiary is 201.0 KLD; Blow down from CO₂ recovery plant is 12.0 KLD.
 - iii No effluent shall be discharged outside the factory premises and 'zero' discharge shall be adopted. No discharge shall be allowed into water body under any circumstances. The Spent wash generated from the fermenter shall be sent to the Decanter followed by MEE. MEE concentrate sent to Dryer to get DDGS. The MEE concentrate shall be released in process. The Spent lees generated from the distillation unit shall be treated in an ETP,
 - iv Non-process effluents i.e., Boiler blow down, DM plant & Softener regeneration along with sanitary waste water shall be treated in ETP. Treated effluents shall be used for dust suppression / ash conditioning and onland irrigation within the premises.
 - v Process effluent/any wastewater shall not be allowed to mix with storm water. The storm water from the premises shall be collected and discharge through a separate conveyance system.
 - vi The effluent discharged shall conform to the standards prescribed under Environment (Protection) Rules, 1986 or as specified by the SPCB while granting Consent under the Air/Water Act, whichever is more stringent.
 - vii The existing spent wash treatment system, non-process ETP shall be upgraded by providing two additional clarifier.
 - viii The proponent shall provide separate storm water drains and harvest the rainwater from the rooftops to recharge the ground water.
 - ix The industry shall install & maintain separate water meters for recording water consumption for various purposes and also maintain daily records.
 - x Automatic / online monitoring system (24 x 7 monitoring devices) for flow measurement and relevant pollutants in the treatment system to be installed. The data to be made available to the TSPCB and in the Industry's website.
 - xi The industry shall install IP Camera with PAN, TILT Zoom, 5x or above focal length, with night vision capability and flow meters in the channel / drain provided for carrying the effluent within the premises of the unit.
 - xii Permission from the competent authority should be obtained for drawl of ground water, if any, required for this project.
 - xiii Regular monitoring of ground water level and quality should be carried out by establishing a network of existing wells by the project proponent in and around project area in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Data thus collected should be sent at regular interval to MoEF, CGWA and CGWB, Southern, Region, Hyderabad.

- xiv Suitable conservation measures to augment groundwater resources in the area shall be planned and implemented in consultation with Regional Director, CGWB, Southern Region, Hyderabad. Suitable measures should be taken for rainwater harvesting.

c) Solid Waste :

- i. Hazardous waste generated from the industry such as waste oils, used oils etc., shall be disposed as per the Hazardous Waste (Management, Handling, and Transboundary Movement) Rules, 2016, to the recyclers authorized by TSPCB.
- ii. The Company shall strictly comply with the rules and guidelines under Manufacture, Storage and Import of Hazardous Chemicals (MSIHC) Rules, 1989 as amended time to time. All Transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.
- iii. 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.
- iv. The company shall undertake waste minimization measures as: Metering and control of quantities of active ingredients to minimize waste; Reuse of by-products from the process as raw materials or as raw material substitutes in other processes; Use of automated filling to minimize spillage; Venting equipment through vapour recovery system; and Use of high pressure hoses for equipment clearing to reduce wastewater generation.
- v. The proponent shall comply with the following w.r.t. solid waste generated after expansion:

S. No	Name of Waste	Quantity	Mode of Disposal
1	ETP sludge	320 Kg/day	Shall be used as manure for greenbelt development within plant premises.
2	Plastic bags	300 Ton/annum	Shall be disposed to authorized recyclers.
3	Ash	25,550 TPA	Sold to Brick Manufacturer & Cement Industry
4	Organics waste (from Canteen)	0.01 TPD	The waste is collected and treated in compost pit and used as manure within plant premises.
5	Waste Oil	2500 litre/Annum	Shall be disposed to authorized oil recyclers.
6	Drums and plastic cans	50 Nos/Day	After complete detoxification, shall be sold to outside agencies.

B. General Conditions:

- i **This order is valid for a period of 10 years.**
- ii "Consent for Establishment" shall be obtained from Telangana State Pollution Control Board under Air and Water Act before the start of any activity / construction work at site and also obtain CFO before commencing operations.
- iii The industry shall not manufacture any other products and exceeding capacities except those mentioned in this order, without permission.
- iv Provision shall be made for the housing of 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.
- v No change in the process technology and scope of working should be made without prior approval of the SEIAA, TS. No further expansion or modifications in the plant shall be carried out without prior approval of the SEIAA, TS/ MoEF&CC, GoI, New Delhi, as applicable.
- vi The environment safeguards contained in the EIA Report should be implemented in letter and spirit. The responsibility of implementation of environmental safeguards rests fully with the proponent ie., **M/s. Allied Blenders and Distillers Private Limited.**
- vii The project proponent shall abide by all commitments and recommendations made in the EIA/EMP report, commitment made during their presentation to the Expert Appraisal Committee.
- viii All the conditions, liabilities and legal provisions contained in the EC shall be equally applicable to the successor management of the project in the event of project proponent transferring the ownership, maintenance of management of the project to any other entity.
- ix The proponent shall submit half-yearly compliance reports in respect of the terms and conditions stipulated in this order in hard and soft copies to the SEIAA; and CCF, Regional office of MoEF&CC, GoI, Chennai on 1st June and 1st December of each calendar year.
- x Four ambient air quality-monitoring stations should be established in the core zone as well as in the buffer zone for RSPM, SPM, PM₁₀, PM_{2.5}, SO₂, NO_x 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.

- xi Data on ambient air quality (PM₁₀, PM_{2.5}, SO₂, NO₂) 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.
- xii Usage of Personnel Protection Equipments by all employees / workers shall be ensured.
- xiii Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.
- xiv 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.
- xv Emergency preparedness plan based on the Hazardous identification and Risk Assessment (HIRA) and Disaster Management Plan shall be implemented.
- xvi The Industry 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 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.
- xviii The funds earmarked for environmental protection measures after expansion (Capital cost of Rs. 11.01 Crores and Recurring cost of Rs. 17.03 Crores/annum); Budget for CER is Rs. 241.37 Lakhs for 5 years. & also the funds earmarked for Corporate Social Responsibility (CSR) activities, should be kept in separate account and should not be diverted for other purpose. The budget allocated for the EMP shall be subsequently increased if the project cost increases at the time of CFO. The proponent shall implement the action plan with measures on the issues raised during Environmental Public Hearing. Year wise expenditure should be reported to the SEIAA, Ministry and its Regional Office located at Chennai.
- xix Self environmental audit shall be conducted annually. Every three years third part environmental audit shall be carried out.
- xx The project proponent shall comply with the provisions contained in this Ministry's OM vide F.No.22-65/2017-IA.III, dt.01.05.2018, as applicable regarding Corporate Environment Responsibility (CER).
- xxi The project proponent shall submit the environmental statement for each financial year in Form-V to the concerned SPCB as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently and put on the website of the company.

- xxii Officials from the TSPCB & Regional Office of MoEF&CC, GoI, Chennai who would be monitoring the compliance of the stipulated conditions and 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, GoI, Chennai.
- xxiii The project proponent shall submit the copies of 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.
- xxiv 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, Telangana. This order shall be displayed in the website of the project proponent.
- xxv 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.
- xxvi The company shall undertake eco-development measures including community welfare measures in the project area.
- xxvii The proponent shall obtain all other mandatory clearances from respective departments.
- xxvii 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.
- xxix The SEIAA may revoke or suspend the order, if implementation of any of the above conditions is not satisfactory. The SEIAA reserves the right to alter/modify the above conditions or stipulate any further condition in the interest of environment protection.
- xxx 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.
- xxxi The proponent shall comply with Plastic Waste Management Rules, 2016 & also comply with MoEF & CC Notification No: G.S.R. 571 (E), dated: 12.08.2021 which mandated banning of usage of identified Single Use Plastic items with effect from 01.07.2022.

xxxii Grant of EC is also subject to circulars issued under the EIA Notifications 2006, which are available on the MoEF&CC website: www.parivesh.nic.in

Sd/-
MEMBER SECRETARY
SEIAA, T.S.

Sd/-
MEMBER
SEIAA, T.S.

Sd/-
CHAIRMAN,
SEIAA, T.S.

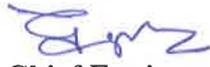
To

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Copy to:

1. Prof. Ch. Krishna Reddy, Chairman, SEAC, T.S. for kind information.
2. The Member Secretary, TSPCB for kind information.
3. The EE, RO: Hyderabad, TSPCB for information.
4. The Regional Officer, MoEF&CC, GOI, Chennai for kind information.
5. The Secretary, MoEF&CC, GOI, New Delhi for kind information.

//T.C.F.B.O//


Joint Chief Environmental Engineer
