Six-Monthly Environmental Compliance Report
Against Stipulated Conditions of Environmental Clearance
(April [illegible] to September [illegible])

FOR

GRAIN BASED ETHANOL (BIO FUEL) PLANT ([illegible] KLPD) ALONG
WITH COGENERATION POWER PLANT ([illegible] MW)
AT VILLAGE [illegible], TEHSIL - [illegible],
DISTRICT - MATHURA, UP

BY
M/S ALLIANCE DISTILLERY LTD

[illegible]
[illegible]
[illegible]

Submitted to
UP State Level Environment Impact Assessment Authority

Submitted by
M/S Alliance Distillery Ltd

January [illegible]

Table of Contents

CHAPTER-1

INTRODUCTION AND PROJECT DESCRIPTION

1. INTRODUCTION

[illegible] has planned to set up a new standalone grain based [illegible] KLD distillery (Ethanol production) plant with ZLD system (zero liquid discharge) along with [illegible] MW captive power generation located at Village [illegible], Tehsil - [illegible], District - [illegible], Uttar Pradesh. The main product, Ethanol, will be sold to fuel oil marketing companies under Ethanol Blended Petrol Program of the Government of India.

According to the MoEF&CC notification S. No. [illegible] dated [illegible] June, 2021, "Grain based distilleries with Zero Liquid Discharge producing ethanol, solely to be used for Ethanol Blended Petrol Program of the Government of India shall be considered under B2 Category" and as per the requirement of the notification, the project proponent has submitted a notarised affidavit that ethanol produced from proposed project shall be used completely for EBP Program.

This project has been granted environmental clearance vide **EC Identification No. [illegible]** dated [illegible] November, 2021 (File no. [illegible]) by the Ministry of Environment, Forest and Climate Change. Copy of same is attached as **ANNEXURE-1.**

2. PROJECT DESCRIPTION

The proposed [illegible] KLD grain based distillery will utilize broken rice, wheat, maize etc. as the basic raw material to produce Fuel Grade Ethanol. The plant will be based on Batch Fermentation Technology considering overall availability of grains with "Mash to Ethanol [illegible] Distillation" technology with ZLD for production of anhydrous ethanol (Bio-fuel) for use of blending in automobile fuel, conforming to Indian standard [illegible] for supply to OMCs.

The by-products considered for manufacturing of fuel grade Ethanol are Distiller's Wet Grain with Solubles (DWGS)/ Distillers Dry Grain with Solubles (DDGS), CO_2 and Fusel oil (by-products). The process will adopt ZLD system (zero liquid discharge) and no process effluent will be discharged outside. The process will be based on Dry Milling Technology.

Table 1.1: Details of Products and Capacity of the Proposed Plant

S. No.	Name of the unit	Name of the product/ by-product	Production capacity
1.	Distillery	Ethanol	[illegible] KLD
2.	Co-generation Power plant	Power	[illegible]
3.	DWGS Dryer	DDGS - By-product	[illegible] TPD
4.	Fermentation unit	Carbon di oxide - By-product	[illegible] TPD

Total Land area is [illegible] acres ([illegible] Ha). Total Fresh water requirement [illegible] m3/day. Power Requirement is [illegible] MW. The estimated capital cost for the project is INR [illegible] Crores. Total Employment will be [illegible] persons as direct & indirect.

1.3 PROJECT LOCATION

[illegible]

1.4 PROJECT STATUS

[illegible]

[illegible]			
[illegible]	[illegible]	[illegible]	Remark
	Civil work		
	1 [illegible]	[illegible]	
	2 [illegible]	[illegible]	
	3 [illegible]	[illegible]	
	4 [illegible]	[illegible]	
	5 [illegible]	[illegible]	
	6 [illegible]	[illegible]	
	7 [illegible]	[illegible]	
	8 [illegible]	[illegible]	
	9 [illegible]	[illegible]	
	10 [illegible]	[illegible]	
	11 [illegible]	[illegible]	
	12 [illegible]	[illegible]	
	13 [illegible]	[illegible]	
	14 [illegible]	[illegible]	
	15 [illegible]	[illegible]	
	16 [illegible]	[illegible]	
	Fabrication work		
	1 [illegible]	[illegible]	
	2 [illegible]	[illegible]	
	3 [illegible]	[illegible]	
	4 [illegible]	[illegible]	
	5 [illegible]	[illegible]	
	6 [illegible]	[illegible]	
	7 [illegible]	[illegible]	
	8 [illegible]	[illegible]	

3. PURPOSE OF THE REPORT

This six-monthly report is being submitted as per the condition stipulated in the Environmental Clearance letter.

Further, the study will envisage the environmental impacts that have generated in the local environment due to the project.

The environmental assessment is being carried out to verify :

- That the project does not have any adverse environmental impacts in the project area and its surrounding.
- Compliance with the conditions stipulated in the Environmental Clearance Letter.
- The Project Management is implementing the environmental mitigation measures as suggested in the approved Form-1, PFR, Environmental Management Plan (EMP).
- The project proponent is implementing the environmental safeguards in true spirit.
- Any non conformity in the project with respect to the environmental implication of the project.

ANNEXURE-I

COMPLIANCE OF STIPULATED CONDITIONS OF ENVIRONMENTAL CLEARANCE

Name of Project	[illegible] Asset Shivam Bio Fuel Pvt Ltd 60 MW Agro Based Power plant on 6MW by M/S. Shivam Distilleries Ltd. at village Ambemandi, Taluk Khanapur, District Belgaum, KA
S.O. No./Dtd.wise by	S.O.[illegible]/Category, dated [illegible] By Lr.No. [illegible]
Period of Compliance Report	[illegible] to [illegible]

a. Statutory compliance

i	As per the Notification S.O. [illegible] dated 14th June, 2016, project falls in category B1 and the proposed capacity of 120 KVA shall only be used for fuel ethanol manufacturing as per self certification in form of a corporate affidavit by the Project Proponent. Provided that subsequently if it is found that the ethanol produced based on the NI granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the CC shall stand cancelled.	The proposed project is for setting up a 120 KVA from based Ethanol Plant unit. The product ethanol will be only used for fuel ethanol manufacturing as per the EBP Programme. The affidavit has been already submitted with the EI application. The condition will be complied with in true spirit.
ii	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.	All the environmental protection measures and safeguards as per the recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project will be complied.
iii	If granted for a project on the basis of the undertaken 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. CCA certificate shall be obtained before start of construction activities.	The proposed project is being set up on the land for which actual land documents has been submitted to the ministry at the time of EI application. CCA certificate has been obtained, copy of the same is attached as **Annexure-III**.
iv	NOC from the Central Ground Water Authority (CGWA)/ Concerned local authority shall be obtained before start of the construction of plant and drawing of the ground water for the project activities. State Pollution Control Board/ Pollution Control Committees shall not accord the Consent to Operate (CTO) under Air (Prevention and Control	Permission has been obtained for drawing of the ground water vide Reg. no. [illegible] valid from [illegible] to [illegible] from Ground water department. Copy of the same is attached as **Annexure-III**.

	[illegible]	
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]

	Greenbelt development shall be completed before commissioning of the plant.	
[illegible]	PP proposed to allocate Rs. [illegible] Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for mentionable activities [illegible] the upgradation of schools with provision of facilities e.g. Class rooms, playground, laboratory, Library, Computer class, toilets, Drinking Water Facilities, solar lights/solar power support for uninterrupted power supply etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.	As per the proposal extended [illegible] will be allocated for development of roads, providing training for generating skilled employment, distribution of [illegible] gadgets, installation of solar panels, free health checkups, upgradation of drinking water facilities etc. will be done in nearby villages. Necessary communication and finalization regarding the CER activities will be made with the district administration.
[illegible]	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. As proposed, [illegible] area is earmarked for parking with facilities like rest rooms etc. within the project site and dedicated additional [illegible] acres parking area will be provided separately outside the plant premises, which is located [illegible] area.	Adequate parking space as proposed in the EC application [illegible] of plot area will be provided within the project premises. Additionally, parking will be provided on a separate land of area [illegible] acre owned by the company.
[illegible]	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 cases of operational failure of Air Pollution Control Equipment.	Storage area for the raw materials with all the appropriate arrangements to prevent the dust pollution and other fugitive emissions is being made. The internal roads will be paved. It is being ensured that the Air Pollution Control System kept interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.
[illegible]	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	Continuous online (24x7) monitoring system for stack emissions/effluent will be installed. 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.

	carrying effluent within the premises.	
10	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization) in the project areas 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/ Managing Director/CEO as per company hierarchy.	The proper Environmental management is being done. Regular monitoring of environmental quality is carried out by NABL approved laboratory. Proper care is being taken for the environmental safeguard.
11	The demolition waste shall be disposed in compliance with the provisions of C&D Waste Management Rules, 2016. Since, proposed site is located in the existing leather factory operational [illegible] years ago, TCLP test shall be conducted of soil in plant site.	TCLP test has been done as directed. No major demolition waste will be generated as existing industrial shed will be modified and reused. Any rubble generated during the construction activity will be used in road making/ construction activities. TCLP report is attached as **Annexure-[illegible]**.
12	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 MoEF&CC 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.	Awareness is created among the people working in the project area as well as its surrounding areas regarding the ban on single use plastic. The environmental impact of plastic use and awareness regarding of impact of plastic use is created time to time among the masses.
B	**General Conditions**	
I	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 made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	The condition will be complied with true spirit. No deviation or alteration will be made with respect to the submitted proposal.
II	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	LED lighting is being used in the project.
III	The overall noise levels in and around the plant area shall be kept well within the standards by	Noise level is being maintained well within the standard through the noise

	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).	control measures including the barricades, water sprinkling, covered construction materials, cement in enclosures, proper oiling and greasing of the equipments which are being used during construction stage. Only PUC certified vehicles are allowed at the project site.
xi.	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR 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.	As committed during EC application, CSR activities will be undertaken in nearby villages. Details of the same will be submitted in the subsequent compliance report as and when the activities will be taken up.
xii.	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.	As proposed, Capital cost of EMP would be approx. INR [illegible] Crore and recurring cost for EMP would be approx. INR [illegible] Crore per annum.
xiii.	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.	Copy of the EC letter has been already sent to the [illegible] Panchayat Office, Zilla Parishad.
xiv.	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.	Six monthly compliance report shall be submitted time to time. Six Monthly Compliance Report will be uploaded on the web site in due course of time.
xv.	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State	Once the unit starts operation, Environmental Statement in Form V will be submitted every year.

	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 Office of MoEF&CC by email.	
xi	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.	Advertisement of 'A' letter in two local newspaper has been done. Copy of the same is attached as **Annexure-III**.
xii	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.	Noted/ same will be complied
xiii	The 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 the project.	Noted

CHAPTER [illegible]

DETAILS OF ENVIRONMENTAL MONITORING

[illegible] AMBIENT AIR QUALITY MONITORING

[illegible] Ambient Air Quality Monitoring Stations

[illegible]

Table [illegible]: Details of Ambient Air Quality Monitoring Stations

S. No.	Location Code	Location Name / Description	Environmental Setting
[illegible]	[illegible]	Project Site	[illegible]

[illegible] Ambient Air Quality Monitoring Methodology

Monitoring was conducted in respect of the following parameters:

- Particulate Matter 2.5 ($PM_{2.5}$)
- Particulate Matter 10 (PM_{10})
- Sulphur Dioxide (SO_2)
- Nitrogen Dioxide (NO_2)
- Carbon Monoxide (CO)

[illegible]

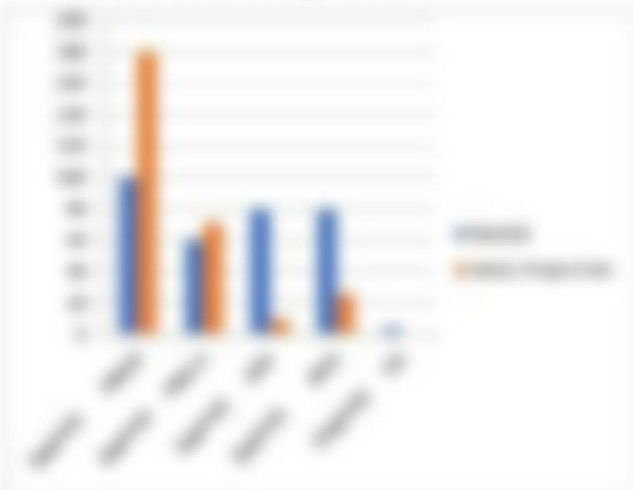
[illegible]

[illegible]

Table [illegible]: Techniques used for Ambient Air Quality Monitoring

Sl.	Parameter	Technique	Technical Protocol
[illegible]	Particulate Matter 2.5	[illegible]	[illegible]
[illegible]	Particulate Matter 10	[illegible]	[illegible]
[illegible]	Sulphur Dioxide	[illegible]	[illegible]
[illegible]	Nitrogen Dioxide	[illegible]	[illegible]
[illegible]	Carbon Monoxide	[illegible]	[illegible]

[illegible] Ambient Air Quality Monitoring Results



Water sample was collected from 1 location from nearby project area. The sample was analyzed for various parameters to compare with the standards for drinking water as per IS: 10500 for ground water sources. The details of water sampling locations are given in Table 3.6.

Table 3.6: Details of Water Quality Monitoring Station

S. No.	Sample Code	Location Name/ Description
1	[illegible]	[illegible] project area

3. Methodology of Groundwater Quality Monitoring

Sampling of ground water was carried out in September, 2024. Samples were collected as grab sample and sampling forms are filled in as per the sampling plan. The preservatives sample were properly added in advance as per standard operating procedures (SOP) and tested immediately in lab bases, which were ensured for appropriate temperatures. Samples for chemical analysis was collected in polyethylene jerrycan. Sample collected for metal content were acidified to ~2 pH with 1:1 HNO3. A sample for bacteriological examination was collected in sterilized glass bottles.

Soon after the completion of sampling, chain of custody sheets for the samples are filled in and then they were transported by road to different labs for further analysis. Proper care was taken during packing and transportation of samples. All the samples reached the service laboratory within the holding times for different parameters. After ensuring the same the samples were forwarded immediately for analysis.

The samples were analysed as per the standard procedures specified in 'Standard Methods for the Examination of Water and Wastewater' published by American Public Health Association (APHA) and IS:10. The analytical techniques and the test methods adopted for testing of ground water are given in Table 3.7.

4. Groundwater Quality Monitoring Results

The detailed groundwater quality monitoring results are presented in Table 3.8.

Table 3.7: Groundwater Quality Monitoring Results

S. No.	Parameter	Test Protocol	Results	Unit	Requirement (as per IS 10500: 2012)	
					Acceptable Limits	Permissible Limit in the absence of Alternate
1	pH	IS 3025 (Part 11) : 2022	8	-	6.5 to 8.5	No Relaxation
2	Turbidity	IS 3025 (Part 10) : 2023	1	NTU	1	5
3	Total Hardness	IS 3025 (Part 21) : 2009	450	mg/l	200	600
4	Total Dissolved Solids (TDS)	IS 3025 (Part 16) : 1984	850	mg/l	500	2000
5	Calcium as Ca	IS 3025 (Part 40) : 1991	120	mg/l	75	200
6	Magnesium as Mg	IS 3025 (Part 46) : 1994	45	mg/l	30	100
7	Total Alkalinity as CaCO3	IS 3025 (Part 23) : 1986	180	mg/l	200	600
8	Chloride as Cl	IS 3025 (Part 32) : 1988	250	mg/l	250	1000
9	Sulphate as SO4	IS 3025 (Part 24) : 1986	200	mg/l	200	400
10	Nitrate as NO3	IS 3025 (Part 34) : 1988	45	mg/l	45	No Relaxation
11	Fluoride as F	IS 3025 (Part 60) : 2008	1.2	mg/l	1	1.5
12	Aluminium as Al	IS 3025 (Part 55) : 2003	0.03	mg/l	0.03	0.2
13	Iron as Fe	IS 3025 (Part 53) : 2003	0.3	mg/l	0.3	No Relaxation
14	Arsenic as As	APHA 24th Edition, 3114 B	<0.001	mg/l	0.01	0.05
15	Cadmium as Cd	IS 3025 (Part 41) : 1992	<0.003	mg/l	0.003	No Relaxation
16	Lead as Pb	IS 3025 (Part 47) : 1994	<0.01	mg/l	0.01	No Relaxation
17	Mercury as Hg	IS 3025 (Part 48) : 1994	<0.001	mg/l	0.001	No Relaxation
18	Selenium as Se	IS 3025 (Part 56) : 2003	<0.01	mg/l	0.01	No Relaxation
19	Chromium as Cr	IS 3025 (Part 52) : 2003	<0.05	mg/l	0.05	No Relaxation
20	Manganese as Mn	IS 3025 (Part 59) : 2006	0.1	mg/l	0.1	0.3
21	Copper as Cu	IS 3025 (Part 42) : 1992	0.05	mg/l	0.05	1.5
22	Zinc as Zn	IS 3025 (Part 49) : 1994	5	mg/l	5	15
23	Boron as B	IS 3025 (Part 57) : 2005	0.5	mg/l	0.5	1
24	Phenolic Compounds	APHA 24th Edition, 5530 B	<0.001	mg/l	0.001	0.002
25	Anionic Detergents	IS 3025 (Part 65) : 2013	0.2	mg/l	0.2	1
26	Mineral Oil	IS 3025 (Part 39) : 2014	<0.5	mg/l	0.5	No Relaxation
27	Cyanide as CN	IS 3025 (Part 27) : 2022	<0.05	mg/l	0.05	No Relaxation

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]

[illegible]

[illegible]

[illegible]	Location Code	Location Name / Description
[illegible]	[illegible]	[illegible]

[illegible] Methodology of Soil Monitoring

[illegible]

[illegible]

[illegible] Soil Monitoring Results

[illegible]

[illegible]

[illegible]	Parameter	Test Method	Results	Unit
[illegible]	pH	[illegible]	[illegible]	[illegible]
[illegible]	Conductivity	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	Water Holding Capacity	[illegible]	[illegible]	[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
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[illegible]

ANNEXURE I

PARIVESH

(Pro-Active and Responsive Facilitation by Interactive, Virtuous and Environmental Friendly Single Window Hub)

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

To,

The Director,
M/s ANIL GOYAL(GOYAL AMITA)
(EE Assessment, Appraisal Scales Under 1(a)(ii) Coal/Scales 1(a)(ii))

Subject: Grant of Environmental Clearance (EC) to the proposed Project/Activity under the provisions of the EIA Notification, 2006 regarding.

Sir/Madam,

This is in reference to your application for Environmental Clearance (EC) to proposed project mentioned in the Form-1 and Pre-feasibility Report (PFR) submitted online to the Ministry of Environment, Forest and Climate Change (MoEF&CC) for consideration of the environmental clearance granted to the project vide the details:

1.	EC Identification No.	[redacted]
2.	Proposal No.	[redacted]
3.	Project Type	[redacted]
4.	Category	[redacted]
5.	Project/Activity including Schedule No.	[redacted]
6.	Name of Project	[redacted]
7.	Name of Company/Organization	M/s ANIL GOYAL(GOYAL AMITA)
8.	Location of Project	Uttar Pradesh
9.	TOR Date	N/A

The proposal is being accepted with terms and conditions as stipulated hereunder from page no 2 onwards.

Date: 01/11/2022

(A. Gopinath)
Director
Impact Assessment Projects - II Sectoral

Note: A valid environmental clearance shall be one that has EC identification number, Proposal number, Valid TOR (Terms of Reference) number, and other details as mentioned in all letters of correspondence.

This is a computer generated cover page.

This has reference to your online proposal no. [illegible], dated [illegible] August, 2022 for environmental clearance to the above mentioned project.

2.The Ministry of Environment, Forest and Climate Change has examined the the project proposal seeking environmental clearance for setting up of [illegible] KLPD Grain based Ethanol Plant with [illegible] MW Co-generation power plant [illegible] located at Village [illegible], Tehsil [illegible], Dist. Mathura, UP [illegible] by M/s [illegible] Distillery Limited.

3.As per the MoEF&CC Notification S.O. [illegible], dated [illegible] June, 2022, a special provision in the EIA Notification, 2006 (Schedule 5 (g)), Category B2 is made, wherein for all applications made for Grain based Distilleries with Zero Liquid Discharge producing ethanol, solely to be used for Ethanol Blended Petrol Programme of the Government of India shall be considered under B2 Category and appraised at Central Level by Expert Appraisal Committee (EAC) with condition that the project proponent shall file a notarized affidavit that ethanol produced from proposed project shall be used completely for EBP Programme.

4. **The details of products and capacity for proposed plant are as under:**

S. No.	Name of unit	Name of the product / By-product	Production capacity
1.	Distillery	Ethanol	[illegible] KLPD
2.	Co-generation power plant	Power	[illegible] MW
3.	DWGS dryer	DWGS	[illegible] TPD
4.	[illegible] unit	Carbon di oxide	[illegible] TPD

5.Standard ToR and public Hearing conduction is not applicable as the project falls under category B2 as per SO dated [illegible] June, 2022. It was informed that no litigation is pending against the project.

6.Total land area identified is [illegible] Acre ([illegible] ha). Greenbelt will be developed in total area of [illegible] acre i.e., [illegible]% of total project area. The estimated project cost is INR [illegible] Crores. Capital cost of EMP would be Rs. [illegible] Crores and recurring cost for EMP would be Rs. [illegible] Crores per annum. Industry proposes to allocate Rs. [illegible] Crores towards Extended EMP (Corporate Environment Responsibility). Total Employment will be [illegible] persons as direct & indirect.

8. There are no national parks, wildlife sanctuaries, Biosphere Reserves, Tiger/Elephant Reserves, Wildlife Corridors etc. within 10 km distance. Reserved Forests/protected Forests: [illegible] R.F at an aerial distance of [illegible] Km in North, [illegible] R.F at an aerial distance of [illegible] Km in [illegible], [illegible] R.F at an aerial distance of [illegible] Km in [illegible]. The project site is located outside the [illegible]. [illegible] Canal is at an aerial distance of [illegible] in [illegible] & [illegible]

is situated at an aerial distance of [illegible] km in [illegible]. [illegible] is at an aerial distance of [illegible] km in [illegible]. [illegible] is at an aerial distance of [illegible] km in [illegible]. [illegible] is at an aerial distance of [illegible] km in [illegible].

8. AAQ modelling study for point source emissions [illegible] indicates that the resultant incremental GLCs after the proposed project would be [illegible] with respect to [illegible]. The baseline concentration and resultant concentrations of [illegible] are slightly higher than the National Ambient Air Quality Standards (NAAQS). PP explained the reasons for higher [illegible] level of [illegible] that ambient air quality monitoring was done during summer season in the month of [illegible] as loose [illegible] that contains high concentration of particulate matter (PM10 and PM2.5). The wind direction was from west to east. Loose soil from non-irrigated agriculture land adds on to concentration of suspended particulate matter in air.

9. Total fresh water requirement will be [illegible] including domestic & green zone usage [illegible] which will be met through [illegible] ground water abstraction. PP has applied [illegible] application [illegible] for obtaining ground water abstraction approval. Effluent [illegible] quantity will be partly recycled and [illegible] through Condensate Polishing Unit of capacity [illegible]. Raw stillage [illegible] quantity of raw spent wash from distillation will be sent to decanter followed by MEE and dryer to produce DDGS. STP of capacity [illegible] 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.

10. Power requirement will be [illegible] MW and will be met from proposed [illegible] cogeneration power plant, will be installed. APCD (ESP) with a stack height of [illegible] m will be installed with [illegible] boiler (fuel: [illegible]) for controlling the particulate emissions within the statutory limit of [illegible]. [illegible] DG set will be used as standby during power failure and stack height [illegible] will be provided as per CPCB norms to the proposed DG sets.

11. Details of process emissions generation and its management:

- APCD (ESP) with a stack height of [illegible] m will be installed for controlling the particulate emissions from boiler.
- Online Continuous Emission Monitoring System will be installed with the stack and data will be transmitted to CPCB/SPCB servers.
- CO_2 [illegible] TPD generated during the fermentation process will be collected by utilizing CO_2 scrubbers, liquified and shall be sold to authorized vendors.

12. Details of Solid waste/Hazardous waste generation and its management:

- DDGS (Distilled Dried Grains Stillage) [illegible] TPD will be sold as cattle feed / poultry feed.

- Fly ash from boiler (approx. 35-40 TPD from coal or 20-25 TPD from biomass) will be generated. The same will be used in infrastructure base till cement/brick manufacturing unit set up by the project proponent in collaboration with local brick manufacturing unit.
- Bottom ash (approx. 8 TPD from coal or 15 TPD from biomass) will be generated and disposed for landfilling/road making activities.
- Used oil (approx. 100 liters/annum) will be sold to authorized recyclers.
- ETP sludge (30 Kg/day) and STP Sludge (1.5 Kg/day) will be used as manure.

13) As per Notification S.O. 2339(E), dated 16th June, 2021, PP has submitted self-certification in the form of notarized affidavit declaring that the proposed capacity of 200 KLPD will be used for manufacturing fuel ethanol only.

14) Total land of 12.40 Acre (5.00 ha) is under possession of the company. Khasra nos. 386, 488, 485, 390 and application submitted vide letter dated 05.09.2022 for conversion of land to industrial usage for the Khasra nos. 377, 379, 380, 381, 382, 383, 387 etc.

15. During deliberations, EAC discussed the following issues:

(i) No ground water shall be extracted without approval.

(ii) Regarding PM10 level of 160 micro gram/m3 PP informed that ambient air quality monitoring was done during summer season in the month of May. As Sonia (land lies) dust contains high concentration of particulate matter (PM10 and PM2.5). The wind direction was from west to east. Loose soil from non irrigated agriculture land adds on to concentration of suspended particulate matter in air. PP informed that all the air pollution control measures shall be taken to achieve prescribed air emission prescribed by the CPCB and SPCB. ESP of four fields is to be installed to achieve the particulate emission levels of 30 mg/Nm3. Fugitive air emissions shall be controlled by adopting good housekeeping and planting of additional trees within the plant and along the road.

(iii) Regarding revised GLC considering 0.5 % sulphur in fuel coal, the GLC calculation was done considering 0.59% sulphur in coal under worst case scenario. However, they have further conducted GLC calculation of 0.5 % sulphur.

(iv) Details of revised CER has been submitted.

(v) ESP of four fields to be installed.

(vi) Ash shall be collected in silo and transported through covered truck.

(vii) PP informed that the existing leather factory was operated 8 years ago in the same land. Some of the infrastructure will be used for the proposed project.

The committee was satisfied with the responses provided by PP on above information.

16. The proposal was considered by the EAC (Ind-2) in its Meeting [illegible] held during [illegible] September, [illegible] the Ministry, wherein the project proponent and their environmental consultant namely M/s. [illegible] Engineering Services Pvt. Ltd., presented the case under B2 category. The Committee **recommended** the project for grant of environmental clearance.

17. The EAC, constituted under the provisions 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 PFR. 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 [illegible] KLPD Grain based Ethanol Plant with [illegible] MW Co-generation power plant (fuel - Biomass or coal in case of unavailability of biomass) located at Village [illegible], [illegible] Road, Tehsil [illegible], Dist. [illegible], UP - [illegible] by M/s. [illegible] Limited**, under the provisions of the EIA Notification, 2006, and the amendments therein, subject to compliance of the terms and conditions as under: -

A. **Specific Conditions**

(i) As per the Notification S.O. [illegible], dated [illegible] June, 2021, project falls in category B2 and the proposed capacity of [illegible] KLPD shall only be used for fuel ethanol manufacturing as per self-certification in form of a notarized affidavit by

the Project Proponent. Provided that subsequently if it is found that the ethanol, produced based on the EC granted as per this dispensation, is not being used completely for EBP Programme, or if ethanol is not being produced, or if the said distillery is not fulfilling the requirements based on which the project has been appraised as category B2 project, the EC shall stand cancelled.

(ii) 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.

(iii) 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. CLU certificate shall be obtained before start of construction activities.

(iv) NOC from the Central Ground Water Authority (CGWA)/ Concerned Local authority shall be obtained before start of the construction of plant and drawing of the ground water for the project activities. State Pollution Control Board /Pollution Control Committees 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.

(v) Total Fresh water requirement shall not exceed [illegible] KL/KL of ethanol production which will be met from ground water. No ground water recharge shall be permitted within the premises. Industry shall construct a rain water storage pond of [illegible] capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption.

(vi) Spent wash shall be dried in form DDGS to be used as cattle feed. The condensate, spentlees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). Treated effluent will be recycled/reused for make up water of cooling towers/process etc. and no waste or treated water shall be discharged outside the premises. STP shall be installed to treat the sewage generated from factory premises.

(vii) ESP of [illegible] fields with a stack height of [illegible] meters will be installed with [illegible] TPH biomass/coal fired boiler for controlling the particulate emissions within the statutory limit of [illegible] mg/Nm3. SO_2 and NOx emissions shall be less than [illegible] mg/Nm3. At 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.

(xiii) Boiler ash will be used for brick manufacturing and supplied to brick manufacturers in covered trucks. PP shall use biomass as fuel for the proposed boiler. PP shall meet 10% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas.

(xiv) CO_2 generated will be bottled and supplied to authorized vendors.

(xv)PP shall allocate at least Rs. 50 Lakhs/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.

(xvi)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.

(xvii)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.

(xviii)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. Filter press shall be installed for drying of sludge.

(xix) 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 cleaning to reduce wastewater generation.

(xx) The green belt of at least 5-10 m width shall be developed in 2.00 Ha i.e., nearly 40% of the total project area with tree density @ 2500 trees per hectares, mainly along the plant periphery. 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.

(xxi)PP proposed to allocate Rs. 1.5 Crores towards Extended EMP (CER), which shall be spent as submitted in CER plan for monitorable activities like up-gradation of schools with provision of facilities e.g. Class rooms, playground, Laboratory, Library, Computer class, toilets, Drinking Water Facilities, solar lights/solar power support for uninterrupted power supply etc. Further, all the proposed activities under CER shall be completed before the commissioning of the plant in consultation with District Administration.

(xxii)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. As proposed, [illegible] % area is earmarked for parking with facilities like rest rooms etc within the project site and dedicated additional [illegible] acres parking area will be provided separately outside the plant premises, which is located [illegible] KM away.

(xxiii)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.

(xxiv)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.

(xxv)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/ Managing Director/CEO as per company hierarchy.

(xxx) The demolition waste shall be disposed in compliance with the provisions of C&D Waste Management Rules, 2016. Since, proposed site is located in the existing leather factory operational 5 years ago, TCLP test shall be conducted of soil in plant site.

(xxxi) 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.

II. General Conditions:

(i) 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 made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.

(ii) The energy source for lighting purposes shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.

(iii) 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).

(iv) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CSR 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.

(v) 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.

(vi) A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban Local Body

and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.

[illegible] 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.

[illegible] 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.

[illegible] 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.

[illegible] 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.

[illegible] 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.

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.

[illegible].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.

[illegible]. This issues with the approval of the competent authority.

([illegible] Singh)
Scientist '[illegible]'

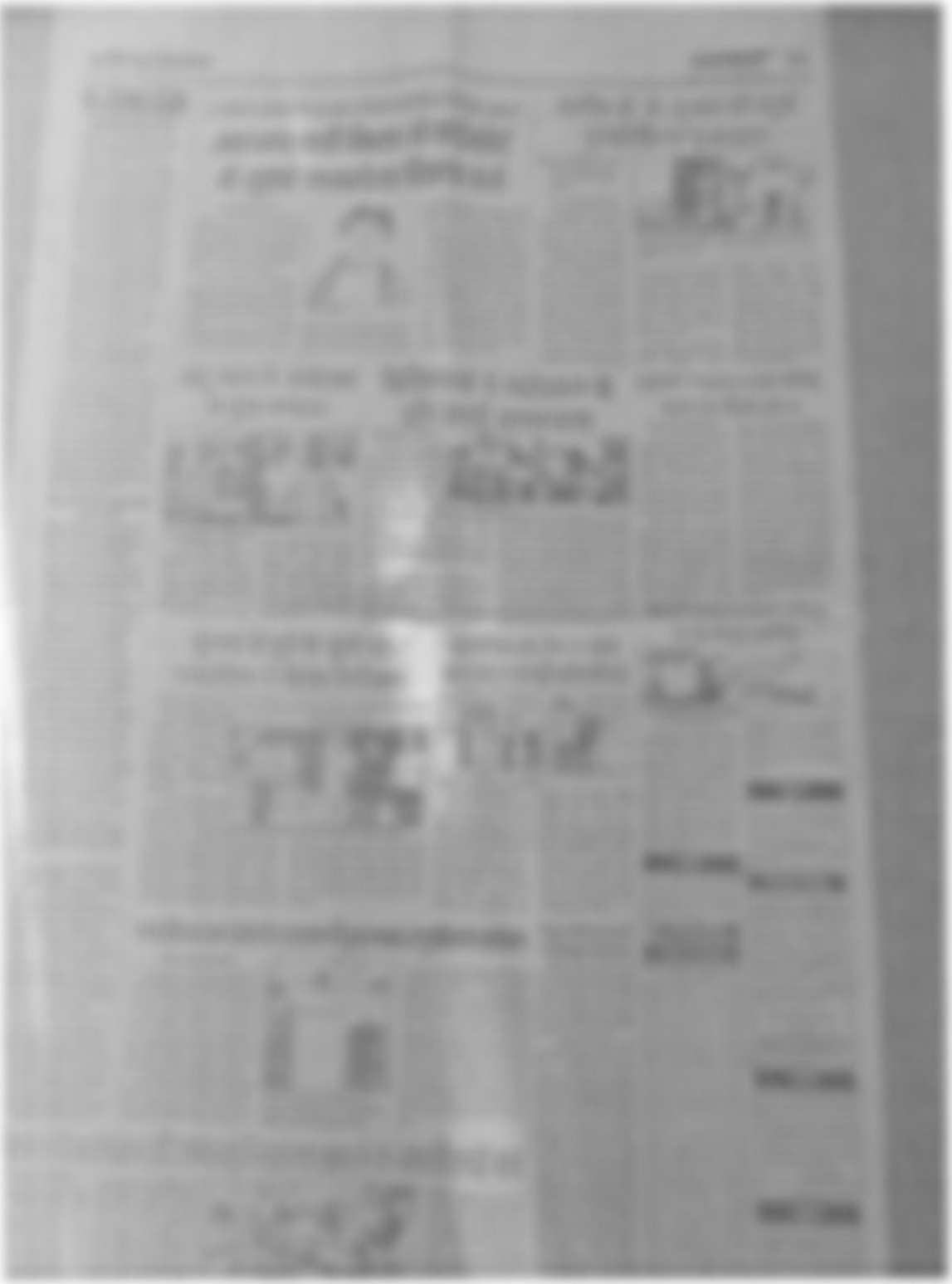
Copy to: -

1. The Secretary, Department of Environment, Government of Uttar Pradesh, [illegible], Secretariat, Vidhan Sabha Marg, Lucknow (UP) - [illegible]
2. The Regional Officer, Ministry of Env., Forest and Climate Change, Integrated Regional Office, [illegible] Bhawan, [illegible] Floor, Sector 'H', Aliganj, Lucknow - [illegible]
3. The Chairman, Central Pollution Control Board Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - [illegible]
4. The Member Secretary, Uttar Pradesh Pollution Control Board, Building No. [illegible], [illegible] Nagar, Lucknow - [illegible]
5. The Member Secretary, Central Ground Water Authority, [illegible], Jamnagar House, Mansingh Road, New Delhi - [illegible]
6. Monitoring Cell, Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi
7. The District Collector, District Mathura, Uttar Pradesh
8. Guard File/Monitoring File/Parivesh portal/Record File.

([illegible] Singh)
Scientist '[illegible]'
E-mail: [illegible]
Tel. No. [illegible]

Signature Not Verified
[illegible]

ANNEXURE II



ANNEXURE VI

UTTAR PRADESH POLLUTION CONTROL BOARD

Building. No. TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010

Phone:[illegible] Email: [illegible] Website: [illegible]

Certificate No.: [illegible] **Dated: [illegible]**

[illegible]

To,

The [illegible]

[illegible]

[illegible]

[illegible]

[illegible]

Sub : "Consent to Establish" under the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended and Air (Prevention and Control of Pollution) Act, 1981 as amended.

Sir,

Kindly refer to the Consent to Establish application dated [illegible] submitted for setting up of [illegible] for the production of [illegible]. The unit has been issued Environmental Clearance by Ministry of Environment, Forest & Climate Change, Government of India/State Level Environment Impact Assessment Authority, UP under the provisions of EIA Notification S.O. 1533(E) dated 14.09.2006 as amended.

Unit proposes to install Zero Liquid Discharge System as per the directives of Central Pollution Control Board.

The "Consent to Establish" under the provisions of Water (Prevention and Control of Pollution) Act, 1974 as amended and Air (Prevention and Control of Pollution) Act, 1981 as amended is hereby issued for setting up of [illegible] for the production of [illegible] for the proposed production capacity, raw materials, manufacturing process, zero liquid discharge based effluent treatment system and emission control systems details as per the conditions of Environmental Clearance. The Consent to Establish shall be subject to following conditions:

1. Unit shall ensure compliance of the conditions imposed in Environmental Clearance issued by Ministry of Environment, Forest & Climate Change, Government of India/State Level Environment Impact Assessment Authority, UP.

2. The Distillery unit shall implement the project as per the proposal submitted and ensure strict compliance of zero liquid discharge system and no effluent shall be discharged outside the premises into any drain/stream. [illegible]

3. Unit shall operate [illegible] days per year for the [illegible] based zero liquid discharge system and for [illegible] days per year for the [illegible] based zero liquid discharge system.

4. The maximum permissible storage capacity for concentrated spent wash shall be [illegible] days equivalent to spent wash generation in case of [illegible] based zero liquid discharge system and shall be [illegible] days equivalent to spent wash generation in case of [illegible] based zero liquid discharge system.

5. Other process effluent streams shall be treated through Condensate Polishing effluent treatment unit and treated effluent shall be recycled and reused in the process. [illegible] guidelines dated [illegible] for utilization of treated effluent in irrigation to achieve zero liquid discharge.

6. Unit shall install effective Air Pollution Control System and adequate stack height from ground level as per the provisions of Environment (Protection) Rules, 1986 in order to ensure that the stack emissions conform to the prescribed norms.

ANNEXURE III

[illegible]

[illegible]

Form-VIII

(See Rule 5)

AUTHORISATION TO COLLECT/TREAT/DISPOSE/STORE/TRANSPORT OF HAZ. HAZARDOUS WASTE / OTHER WASTE(S) / COMMERCIAL INFRASTRUCTURE OF WASTE GIVEN BY VARIOUS SOURCES

[illegible] Section 6 of the Andhra Pradesh Ground Water Management and Regulation Act, 2019 by

AUTHORISATION NO. [illegible]

M/s.[illegible]

[illegible] Section 6 of the Andhra Pradesh Ground Water Management and Regulation Act, 2019.

Regulation No. [illegible]			
Date of the Order	[illegible]		
Name and Address of the Applicant	M/s.[illegible], [illegible]	Name of the Authority	[illegible]
Address of the Applicant	[illegible]	Designation of the Authority	[illegible]
Date of Application	[illegible]	Date of the Application	
Condition Particulars			
Validity	[illegible]	Place	[illegible]
Permit Quantity	[illegible]	Non-biodegradable quantity	[illegible]
Date of Commencement		Date of Closure	
Particulars of the Proposed Waste and Processing Method			
Type of Waste proposed to be collected, treated, disposed, stored, transported	[illegible]		
Type of Waste	[illegible]	Capacity of the Waste proposed	[illegible]
Treatment mode	[illegible]	Mode of disposal of Non-biodegradable Waste	
Details of Vehicle (for Type A&B)			
Type of Vehicle(s)	[illegible]	No. of Vehicle(s)	[illegible]
Registration Number	[illegible]	Type of Vehicle(s) other than Type A&B	[illegible]
Name of Transporter (in case of Type A&B Vehicle)		No. of Vehicle	
Name of Hazardous Waste Storage Facility	[illegible]	Name of Hazardous Waste Storage Facility	[illegible]
Name of Hazardous Waste Disposal Facility	[illegible]	Storage Capacity	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	
			[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

[illegible]

ANNEXURE IV

NE RESEARCH & DEVELOPMENT HOUSE PVT. LTD.

[illegible]

TEST REPORT

[illegible]

Report No.	[illegible]
Date of Reporting	[illegible]
Issued to	[illegible]
Project Name	[illegible]
Nature of Sample	[illegible]
Identification of Sample	[illegible]
Date of Sampling	[illegible]
Method of Sampling	[illegible]
Date of testing	[illegible]
Sampled by	[illegible]

RESULTS

S.No.	Parameter	Test Protocol	Results	Unit	Requirements as per IS 10500: 2012	
					Acceptable limit	Permissible limit
1.	pH	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
2.	Turbidity	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
3.	Total Hardness	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
4.	Total Dissolved Solids (TDS)	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
5.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
6.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
7.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
8.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
9.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
10.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
11.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
12.	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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[illegible]

[illegible]

S.No.	Parameter	Test Protocol	Results	Unit	Requirements as per IS 10500: 2012	
					Acceptable limit (Max.)	Permissible limit (Max.)
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

[illegible] RESEARCH & DEVELOPMENT HOUSE PVT. LTD.

[illegible]

TEST REPORT

[illegible]

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

[illegible]

S. No.	Parameter	Test Method	Results	Unit
1.	[illegible]	[illegible]	[illegible]	[illegible]
2.	[illegible]	[illegible]	[illegible]	[illegible]
3.	[illegible]	[illegible]	[illegible]	[illegible]
4.	[illegible]	[illegible]	[illegible]	[illegible]
5.	[illegible]	[illegible]	[illegible]	[illegible]
6.	[illegible]	[illegible]	[illegible]	[illegible]
7.	[illegible]	[illegible]	[illegible]	[illegible]
8.	[illegible]	[illegible]	[illegible]	[illegible]
9.	[illegible]	[illegible]	[illegible]	[illegible]
10.	[illegible]	[illegible]	[illegible]	[illegible]
11.	[illegible]	[illegible]	[illegible]	[illegible]
12.	[illegible]	[illegible]	[illegible]	[illegible]
13.	[illegible]	[illegible]	[illegible]	[illegible]
14.	[illegible]	[illegible]	[illegible]	[illegible]
15.	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

S. No.	Parameter	Test Method	Results	Unit
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

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[redacted]

[redacted]

[redacted]

[redacted]

Report No.	[redacted]
Date of Reporting	[redacted]
Name of the Project	[redacted]
Project Name	[redacted]
Location	[redacted]
Date of Sampling	[redacted]
Type of Monitoring	[redacted]
Method of Sampling	[redacted]
Duration of Monitoring	[redacted]
Sample drawn by	[redacted]

[redacted]

Sr. No.	Location	Day Time Noise [redacted]	Night Time Noise [redacted]
[redacted]	[redacted]	[redacted]	[redacted]

[redacted]

Sr. No.		[redacted]	Day Time	Night Time
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

[redacted]

ND RESEARCH & DEVELOPMENT HOUSE PVT. LTD.

[illegible]

[illegible]

[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]

[illegible]

[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1.	[illegible]	[illegible]	[illegible]	[illegible]
2.	[illegible]	[illegible]	[illegible]	[illegible]
3.	[illegible]	[illegible]	[illegible]	[illegible]
4.	[illegible]	[illegible]	[illegible]	[illegible]
5.	[illegible]	[illegible]	[illegible]	[illegible]
6.	[illegible]	[illegible]	[illegible]	[illegible]
7.	[illegible]	[illegible]	[illegible]	[illegible]
8.	[illegible]	[illegible]	[illegible]	[illegible]
9.	[illegible]	[illegible]	[illegible]	[illegible]
10.	[illegible]	[illegible]	[illegible]	[illegible]
11.	[illegible]	[illegible]	[illegible]	[illegible]
12.	[illegible]	[illegible]	[illegible]	[illegible]

[illegible]

[illegible]

[illegible]

ANNEXURE V

7.Unit shall abstract ground water only with valid permission of Uttar Pradesh Ground Water Department under the provisions of Uttar Pradesh Ground Water (Management & Regulation) Act, 2019 as amended and ensure compliance of its conditions.

8.Installation and implementation of Online Continuous Monitoring System (OCEMS) with at least 99% uptime connected to the servers of the Central Pollution Control Board and State Pollution Control Board to report the real-time quantity and quality of emissions and discharges.

9.In case of the composting based Zero Liquid Discharge System, the operation of the composting yard to strictly in accordance with the Standard Operating Procedure of Central Pollution Control Board.

10.Unit shall obtain Consent to Operate from UPPCB under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981 prior to the commencement of production.

11. The validity of Consent to Establish shall be 05 (Five) years from the date of issue.

12.The industry shall ensure to install the roof top Rain Water Harvesting (RWH) systems and piezometer within the premises.

13.The industry shall comply with the provisions of Environment (Protection) Amendment Rules 2023 notified by MoEFCC vide notification no. [illegible], Environment (Protection) Act 1986, Water (Prevention and Control of Pollution) 1974, Air (Prevention and Control of Pollution) 1981 as amended, Plastic Waste Management Rules, 2016 & Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 (Whichever is applicable).

14. The unit shall comply with the charter of CPCB prepared for the distillery units.

15.Unit shall deposit bank guarantee of Rs. 10 Lacs only for the compliance of above conditions within 15 days from issuance of this certificate.

Chief Environmental Officer

Copy to:

1.Director, Impact Assessment Division, Ministry of Environment, Forest & Climate Change, Government of India, New Delhi-110003.

2. Member Secretary, State Level Environment Impact Assessment Authority, UP

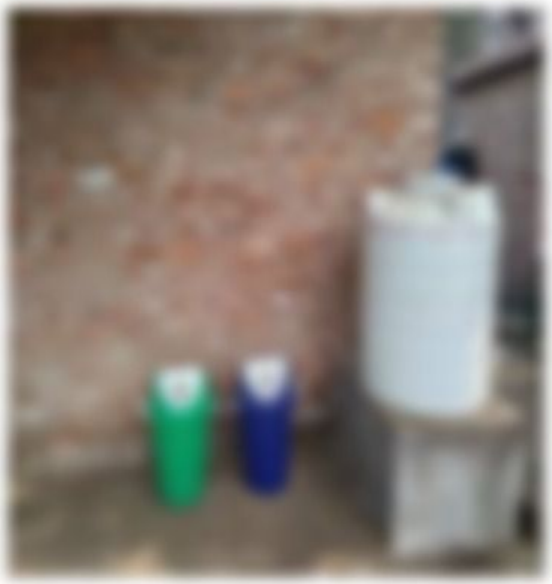
3. Excise Commissioner, Government of Uttar Pradesh, Lucknow

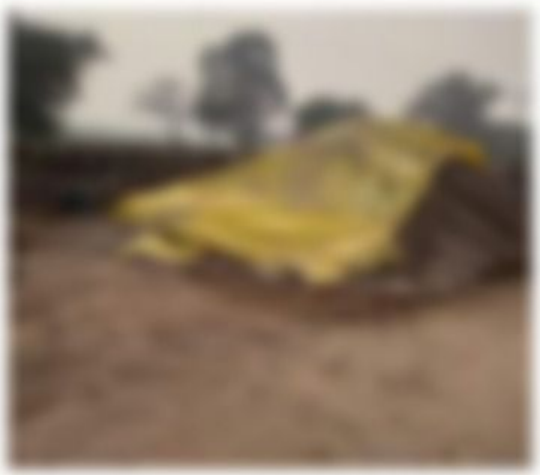
4.Regional Officer, UPPCB Hathras

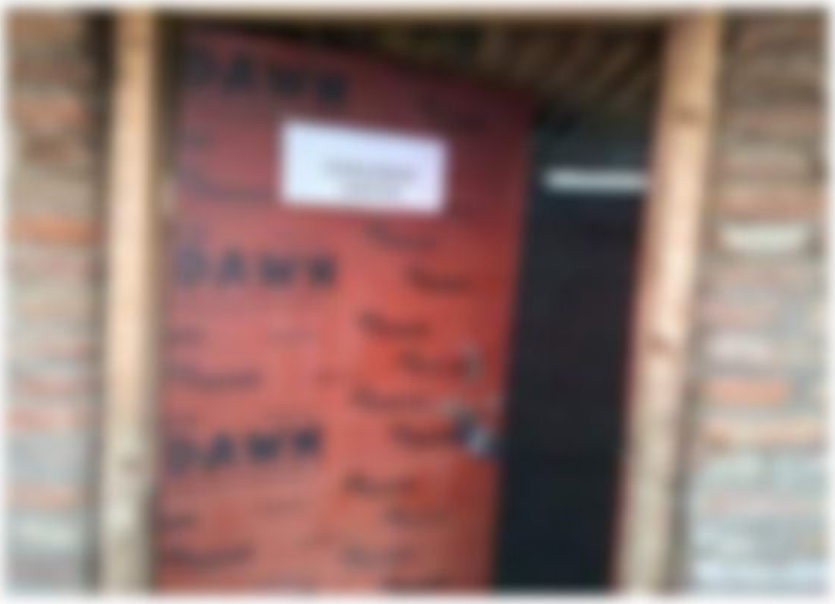
Chief Environmental Officer

ANNEXURE VII

Site Photographs






DANGER
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