



सत्यमेव जयते

File No: 8751-8061
Government of India
Ministry of Environment, Forest and Climate Change
(Issued by the State Environment Impact Assessment Authority (SEIAA),
UTTAR PRADESH)



Date 16/05/2024



To,

Shri PULKIT NARANG
M/s Shri Gurukripa GNG Private Limited.
Near Khatu Shyam Mandir, Sanjay Kumar Gupta S/O Kedar Nath Gupta, Wazir Ganj, Pratap Enclave,
Shahajahanpur -242001, Uttar Pradesh, SHAHJAHANPUR, UTTAR PRADESH, 242001
pulkitnarang30071990@gmail.com

Subject: Grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 -regarding Establishment of 100 KLPD Capacity Grain based Distillery along with 2.7 MW Co-generation Power Plant at Village – Ghanshyampur, Post – Azizpur, Nigohi Block, Tehsil – Tilhar, District – Shahjahanpur, U.P., M/s Shri Gurukripa GNG Private Limited.

Sir/Madam,

This is in reference to your application submitted to SEIAA vide proposal number SIA/UP/IND2/460946/2024 dated 05/02/2024 for grant of prior Environmental Clearance (EC) to the proposed project under the provision of the EIA Notification 2006 and as amended thereof.

2. The particulars of the proposal are as below :

(i) EC Identification No.	EC24B2504UP5987923N
(ii) File No.	8751-8061
(iii) Clearance Type	Fresh EC
(iv) Category	B1
(v) Project/Activity Included Schedule No.	5(g) Distilleries
(vi) Name of Project	Environmental Clearance for proposed Establishment of 100 KLPD Capacity Grain based Distillery along with 2.7 MW Co-generation Power Plant at Village – Ghanshyampur, Post – Azizpur, Nigohi Block, Tehsil – Tilhar, District – Shahjahanpur – 242407, UP, by M/s Shri Gurukripa GNG Private Limited
(vii) Name of Company/Organization	PULKIT NARANG
(ix) Location of Project (District, State)	SHAHJAHANPUR, UTTAR PRADESH
(x) Issuing Authority	SEIAA
(xi) Applicability of General Conditions as per	No

EIA Notification, 2006

3. In view of the particulars given in the Para 1 above, the project proposal interalia including Form-2(Part A, B and C)/ EIA & EMP Reports were submitted to the SEAC for appraisal under the provision of EIA notification 2006 and its subsequent amendments.
4. The above-mentioned proposal has been considered by SEAC in its meeting held on 06-03-2024. The minutes of the meeting and all the project documents are available on PARIVESH portal which can be accessed from the PARIVESH portal by scanning the QR Code above.
5. Details of the minerals to be mined along with production capacity and the brief on the salient features of the project as submitted by the project proponent in Form 1 (Part A and B) in the reports and as presented during SEAC meeting are annexed to this EC as Annexure (2).
6. The SEAC, in its meeting held on 06-03-2024, based on information submitted viz: Form 1 (Part A, B and C), EIA/EMP report etc & clarifications provided by the project proponent and after detailed deliberations on all technical aspects and public hearing issues and compliance thereto furnished by the Project Proponent, recommended the proposal for grant of Environment Clearance under the provision of EIA Notification, 2006 and as amended thereof subject to stipulation of Specific and Standard EC conditions as given in Annexure (1).
7. The SEIAA in its meeting held on 30-04-2024 has examined the proposal in accordance with the provisions contained in the Environment Impact Assessment (EIA) Notification, 2006 & further amendments thereto in its meeting dated 06/03/2024 and based on the recommendations of the SEAC hereby accords Environment Clearance for the instant proposal to M/s Shri Gurukripa GNG Private Limited. under the provisions of EIA Notification, 2006 and as amended thereof subject to compliance of the Specific conditions as given in Annexure (1)
8. The SEIAA reserves the right to stipulate additional conditions, if found necessary.
9. The Environmental Clearance to the aforementioned project is under provisions of EIA Notification, 2006. It does not tantamount to approvals/consent/permissions etc. required to be obtained under any other Act/Rule/regulation. The Project Proponent is under obligation to obtain approvals /clearances under any other Acts/ Regulations or Statutes, as applicable, to the project.
10. The PP is under obligation to implement commitments made in the Environment Management Plan, which forms part of this EC.
11. General Instructions:
 - a) The project proponent shall prominently advertise it at least in two local newspapers of the District or State, of which one shall be in the vernacular language within seven days indicating that the project has been accorded environment clearance and the details of SEIAA website where it is displayed.
 - b) The copies of the environmental clearance shall be submitted by the project proponents to the Heads of local bodies, Panchayats and Municipal Bodies in addition to the relevant offices of the Government who in turn must display the same for 30 days from the date of receipt.
 - c) The project proponent shall have a well laid down environmental policy duly approved by the Board of Directors (in case of Company) or competent authority, duly prescribing standard operating procedures to have proper checks and balances and to bring into focus any infringements/deviation/violation of the environmental / forest / wildlife norms / conditions.
 - d) Action plan for implementing EMP and environmental conditions along with responsibility matrix of the project proponent (during construction phase) and authorized entity mandated with compliance of conditions (during operational phase) shall be prepared. The year wise funds earmarked for environmental protection measures shall be kept in separate account and not to be diverted for any other purpose. Six monthly progress of implementation of action plan shall be reported to the Ministry/Regional Office along with the Six-Monthly Compliance Report.
 - e) Concealing factual data or submission of false/fabricated data may result in revocation of this environmental clearance and attract action under the provisions of Environment (Protection) Act, 1986.
 - f) The project proponent shall also ensure that the proposed site is not a part of any no-development zone as required/prescribed/identified under law. In case of violation, this permission shall automatically deem to be cancelled. Also, in the event of any dispute on ownership or land use of the proposed site, this clearance shall automatically deem to be cancelled.
 - g) Any appeal against this EC 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.
 - h) The SEIAA reserves the right to revoke the environmental clearance, if conditions stipulated are not implemented to the satisfaction of SEIAA. SEIAA may impose additional environmental conditions or modify the existing ones, if necessary.

12. This issues with the approval of the Competent Authority.

Annexure 1

Specific EC Conditions for (Distilleries)

1. Environmental Attributes

S. No	EC Conditions
1.1	<ol style="list-style-type: none">1. Three tier green belt shall be developed with native species all along the periphery of the project. Site survival rate of green belt developed shall be monitored on periodic basis to ensure that damaged plants are replaced with new plants in the subsequent years (Miyawaki method to be adopted for plantation).2. Performance test shall be conducted on all pollution control system every year and report shall be submitted to Regional office of the MoEF and CC.3. Greening and paving shall be implemented in the plant area to arrest soil erosion and dust pollution exposed soil surface.4. Properly covered vehicles shall be used while transporting material and product.5. Allergy test should also be included in health checkup of works.6. Project proponent is advised to explore the possibility and getting the cement in container rather through the plastic bag.7. Project proponent should ensure that there will be no use of "Single use of Plastic" (SUP).8. In compliance to Hon'ble Supreme Court order dated 13/01/2020 in IA no. 158128/2019 and 158129/2019 in Writ petition no. 13029/1985 (MC Mehta Vs. GoI and others) anti-smog guns shall be installed to reduce dust during excavation.9. The project proponent is directed to comply with the public hearing queries/questions and TOR conditions in a time bound manner as per action plan submitted by the proponent and submit compliance report regularly as per EIA notification.10. The project proponent shall comply with the CPCB charter/guidelines and time to time direction for the distillery unit.
1.2	<ol style="list-style-type: none">1- All statutory bodies NoC should be obtained.2- Online monitoring system shall be installed on stack and connected with UPPCB and CPCB server.3- No- discharge shall be drained into any water bodies, and project must follow the principle of ZLD.4- The project proponent shall follow MoEFCC notification 35 (E) dated 14 January 2016 in letter and spirit.5- The project proponent shall handle boiler ash properly.6- Dedicated space for storage of boiler ash with proper fencing should be ensured.7- The project proponent shall upload report regarding chemical analyses of boiler ash.8- Directions/suggestions given during public hearing and commitment made by the project proponent should be strictly complied with.9- The project proponent shall install rooftop solar plant in one school in the vicinity of project area and construct toilets especially in girls' school as part of CER activity.

Standard EC Conditions for (Distilleries)

1. Specific Conditions

S. No	EC Conditions
1.1	Hazardous chemicals shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm, and solvent transfer to be done through pumps.
1.2	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.
1.3	The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises.
1.4	EC granted for a project on the basis of the submitted documents shall become invalid in case the actual land for the project site turns out to be different from the land considered at the time of appraisal of project. Conversion of land use (CLU) certificate shall be obtained before start of construction activities.
1.5	NOC from the Concerned Local authority shall be obtained before start of the construction of plant and drawing of the surface 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. No ground water shall be used for the plant operations.
1.6	Total fresh water requirement shall not exceed 985 m ³ /day and it will be met from River Krishna. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time. No ground water recharge shall be permitted within the premises.
1.7	The spent wash/other concentrates shall be incinerated.
1.8	CO ₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.
1.9	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.
1.10	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
1.11	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms. PESO certificate shall be obtained.
1.12	Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
1.13	The company shall undertake waste minimization measures as below: -

S. No	EC Conditions
	<ul style="list-style-type: none"> 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 etc. to reduce wastewater generation.
1.14	<p>The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.</p>
1.15	<p>As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socio-economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall to be completed within time as proposed.</p>
1.16	<p>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.</p>
1.17	<p>Storage of raw materials shall be either in silos or in covered areas to prevent dust pollution and other fugitive emissions. All stockpiles should be constructed over impervious soil and garland drains with catch pits to trap runoff material shall be provided. Biomass shall be stored in covered sheds and wind breaking walls/curtains shall be provided around biomass storage area to prevent its suspension during high wind speed. All Internal roads shall be paved. Industrial vacuum cleaner shall be provided to sweep the internal roads. The Air Pollution Control System shall be interlocked with process plant/machinery for shutdown in case of operational failure of Air Pollution Control Equipment.</p>
1.18	<p>Continuous online (24x7) monitoring system for stack emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.</p>
1.19	<p>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.</p>
1.20	<p>PP shall sensitize and create awareness among the people working within the project area as well as its surrounding area on the ban of Single Use Plastic in order to ensure the compliance of Notification published by MOEFCC on 12th August, 2021. A report along with photographs on the measures taken shall also be included in the six-monthly compliance report being submitted to concerned authority.</p>

2. General Conditions

S. No	EC Conditions
2.1	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
2.2	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.
2.3	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).
2.4	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
2.5	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/ pollution control measures shall not be diverted for any other purpose.
2.6	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zilla Parishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
2.7	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF&CC, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
2.8	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF&CC by e-mail.
2.9	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language

S. No	EC Conditions
	of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
2.10	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
2.11	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

3. Nbwl Conditions

S. No	EC Conditions
3.1	The environmental clearance is subject to obtaining prior clearance from the wildlife angle, including clearance from the Standing Committee of the National Board for Wildlife, as applicable, as per the Ministry's OM dated 8th August, 2019. Grant of environmental clearance does not necessarily imply that Wildlife Clearance shall be granted to the project and that their proposal for Wildlife Clearance will be considered by the respective authorities on its merit and decision taken. PP shall also strictly follow the conditions mentioned in existing NBWL clearance.
3.2	The project proponent shall prepare a site specific conservation plan and wildlife management plan in case of the presence of Schedule-1 species in the study area, as applicable to the project, and submit to Chief Wildlife Warden for approval. The recommendations shall be implemented in consultation with the State Forest/Wildlife Department in a time bound manner.

Annexure- 2

A presentation was made by the project proponent along with their consultant M/s Paramarsh Servicing Environment and Development to SEAC on 06-03-2024.

Project Details Informed by the Project Proponent and their Consultant

The project proponent, through the documents and presentation gave following details about their project –

1. The environmental clearance is sought for Establishment of 100 KLPD Capacity Grain based Distillery along with 2.7 MW Co-generation Power Plant at Village – Ghanshyampur, Post – Azizpur, Nigohi Block, Tehsil – Tilhar, District – Shahjahanpur, U.P., M/s Shri Gurukripa GNG Private Limited.
2. The Terms of Reference in the matter were issued by SEIAA, U.P vide Letter No. 245/Parya/SEIAA/8061/2023, Dated 18/10/2023.
3. The Public Hearing was organized on 05/01/2024. Final EIA report submitted by the project proponent on 05/02/2024.
4. Salient feature of the project:

S.N.	Particulars	Details		
1	Name	M/s Shri Gurukripa GNG Private Limited		
2	Registered Office	Near Khatu Shyam Mandir, Sanjay Kumar Gupta S/O Kedar Nath Gupta, Wazir Ganj, Pratap Enclave, Shahajahanpur -242001,Uttar Pradesh		
	Project Site	Village – Ghanshyampur, Post – Azizpur, Nigohi Block, Tehsil – Tilhar, District – Shahjahanpur – 242407, UP		
3	Name of Applicant	Mr. Pulkit Narang		
4	Designation	Director		
5	Nature and Size of Project	Particulars	Quantity	
		Rectified Spirit/ Extra Neutral Alcohol/Ethanol (From Grain Based Production)	100 KLD	
		Power	2.7 MW	
		DDGS	44 TPD at 10-12% W/W Moisture	
		CO ₂ Recovery	0.60 kg / per ltr(Recovery)	
	Theoretical CO ₂ generation during Fermentation	82 TPD		
6	Category of the Project	As per EIA Notification dated 14 th Sep., 2006 as amended from time to time; the project falls in Category 'B1' Activity - 5(g).		
7	Locations Details			
	Plot No./Khasra No./Survey No.	S. No	Khasra No	Area (Sq. M.)
		1	256	20795
		2	257	1070
3		258	3280	

		4	259	4640
		5	260	2270
		6	261	4760
		7	262	5155
		8	267	3716
		9	268	4700
		10	269	24167
		11	270	23630
		12	271	4330
		13	272	2710
		14	273	1940
		15	228	11006
		Total area		118169.00
	Village	Ghanshyampur		
	Tehsil	Tilhar		
	District	Shahjahanpur		
	State	Uttar Pradesh		
	Pin code	242407		
	Coordinates of Proposed project	Pillar	Latitude	Longitude
		A	28° 8'33.27"N	79°53'19.01"E
		B	28° 8'31.36"N	79°53'21.96"E
		C	28° 8'29.82"N	79°53'20.77"E
		D	28° 8'27.09"N	79°53'24.67"E
		E	28° 8'22.02"N	79°53'32.80"E
		F	28° 8'15.30"N	79°53'25.68"E
		G	28° 8'21.88"N	79°53'16.89"E
		H	28° 8'17.72"N	79°53'15.64"E
		I	28° 8'21.59"N	79°53'13.35"E
		J	28° 8'24.28"N	79°53'9.02"E
		K	28° 8'25.73"N	79°53'10.01"E
		L	28° 8'25.81"N	79°53'11.98"E
		M	28° 8'23.69"N	79°53'14.66"E
		N	28° 8'26.33"N	79°53'14.76"E
		O	28° 8'29.32"N	79°53'15.89"E
	Toposheet No			
8	Area Details			
	Total Plot Area	Total Plot Area:- 11.81 Ha		
		Description	Area in m ²	Percentage (%)
		Green Area	39214.00	33.21
		Built-up area(Plant & Machinery)	39983.00	33.86
		Road Area	20437.00	17.29
		Parking Area	18534.00	15.70
		Total Area	118168.20	100.00
	Greenbelt / Plantation Area	39214.00 m ²		
		33.21 % of the project area will be covered under green belt and plantation.		
9	Cost Details			

	PARTICULARS							
	Total Project Cost	Rs. 70.0 Crore						
	Cost for Environment Management Plan	Capital Cost: Rs. 1300.0 Lakh Recurring Cost/annum: Rs 155.00 Lakh/annum.						
	CER	Rs. 1.4 Crore (2.0 % of total project cost as per the OM 2018 of MoEFCC)						
10	Basic Requirements for the project							
	Fresh Water Requirement	Distillery: 400 KLD (@ 4.0 KL/KL of products) Co-gen Power : 6 KLD Domestic: 20.0 KLD Green Belt: 50 KLD Total: 476 KLD						
	Source of Water	Water supply from Bore well (An applications for obtaining grant of authorization/no objection certificate for sinking of proposed well has been submitted to Ground Water Department, Uttar Pradesh vide application no. SHJP0423NIN0053 and SHJP0423NIN0054 dated 24.04.2023) Detail given below;						
		<table border="1"> <thead> <tr> <th>Application No</th> <th>Applied quantity (KLD)</th> </tr> </thead> <tbody> <tr> <td>SHJP0423NIN0053</td> <td>300</td> </tr> <tr> <td>SHJP0423NIN0054</td> <td>300</td> </tr> </tbody> </table>	Application No	Applied quantity (KLD)	SHJP0423NIN0053	300	SHJP0423NIN0054	300
Application No	Applied quantity (KLD)							
SHJP0423NIN0053	300							
SHJP0423NIN0054	300							
	Wastewater Discharge	Unit is based on Zero Liquid Discharge						
	Power Requirement	2500 KWH						
	Source of Power	Co Generation Power Plant: 2.7 MW (In House)						
	D.G. Set Capacity with stack height	250 KVA × 2 Nos (60 m height)						
	Man Power Requirement	Total Employees Regular – 90 Casual / Contractual employment – 06 Total: 96 Workers						
11	Product Mix	Ethanol (Absolute Alcohol with 99.99% v/v)						
12	By Products							
	CO ₂	57 TPD						
	DDGS	44.0 TPD						
13	Working Days	340 days / Annum						
14	Raw material							
	Major Raw Material	Damaged Grain & Coarse grain (like broken rice, maize, jowar, bajra etc) which is not fit for human consumption						
	Raw Material requirement	Broken Rice: 210-215 TPD @68-70 % Starch Content Maize/Corn: 250-255TPD @60 % Starch Content						
	Source of Raw Materials	Procure the damaged grains from the neighboring districts and nearby places of other districts through traders/ farmers / broker net-work						
	Storage of raw material	Silo having size of 7500 MT × 1 Nos. (Diameter : 25 m and Height : 12 m)						
15	Proposed Boiler Capacity	27.0 TPH, Boiler has been proposed for 2.7 MW						

		Captive power plant with fuel as Rice Husk and Bagasse
16	Fuel and its quantity	Bagasse Requirement + Rice husk @100% = 180-190 TPD
17	Steam requirement	4.7 Kg/KL (21 TPH)
18	Domestic Solid Waste	24.0 Kg/day
19	Air pollution control devices	ESP with 60 Meter stack height
20	Spent wash treatment scheme	Multi effect Evaporation System Grain based 100 KLPD distillery generated effluent / spent mash will be first decanted in centrifuge decanted where the wet cake will be get separated and balance mash will be concentrated in evaporators and generated syrup will mixed with wet cake, which will sold as DDGS to cattle feed manufacturers
21	Other effluent treatment scheme	Condensate Polishing Unit (Capacity 800.0m3/day) Other effluent like process condensate, spent lees will be treated by condensate polishing unit (CPU)comprises of Equalization Tank, Buffer Tank, Anaerobic Digester, Extended Aeration Tank I & II, Secondary Clarifier, High-rate solid contact clarifier, Ultra filtration then followed by two stage RO Plant.
22	Discharge from Distillery Unit	Zero Liquid Discharge (ZLD).

5. Solid and hazardous waste details:

S. No.	Solid waste / Hazardous waste	Quantity	Method of collection	Mode of disposal
1.	Boiler fly Ash	2.5 TPD	Ash Handling System	Ash generated shall be used for brick manufacturing
2.	DDGS	44 TPD	Will be used as Manure	Cattle feed
3.	Domestic solid waste	15 TPD	Sewage Treatment Plant	The treated effluent is being used for gardening /greenbelt development
4.	Used oil from DG set.	0.5 KL/annum		CPCB authorized recycler
5.	Steam turbine oil waste	1.0 KL/A		

6. Water requirement details:

S. N.	Sections	m3/day
1	Cooking	220.5
2	Fermentation	293.0
3	Cooling tower makeup	400.0
4	Vaccum /Sealing	10.0
5	DM Water for Distillation(ENA)	139.0
6	DM Water for Boiler (Process)	58.0
	Total water Requirement for plant	1120.50

7. Raw material details:

Particular	Proposed	Storage	Source of raw material & Mode of Transportation
Grain/Flour	Maize/Corn: 250-255TPD @60% Starch Content Broken Rice: 210-215 TPD @68-70 % Starch Content	7500 MT Silo (01 Nos)	Local supplier via road
Baggasse/Rice Husk	Bagasse Requirement + rice husk @100% = 180-190TPD	--	Local supplier via road
Other Chemicals			
Antifoam Agent	3 Kg/kl	--	Nearby Market by Truck. 30 Days storage will be provided after the proposed establishment.
NaOH (50%)	3 Kg/kl	--	
Phosphoric Acid (75%)	1 Kg/kl	--	
Enzymes like Amyloglucosidase, Alpha Amylase, Viscozyme	1.70 Kg/kl	--	
Neutralse	3 Kg/kl	--	
Yeast	3 Kg/kl	--	
H ₂ SO ₄ (93%)	1 Kg/kl	--	
Ca(OH) ₂ (100%)	3.7 Kg/kl	--	

8. Action Plan as per Ministry's O.M. dated 30/09/2020:

S. No	Concern	Physical activity to be done	Amount (Lakh) with beneficiary Village		Cost (Lakh)
			1 st year (Lakh)	2 nd year (Lakh)	
1	Education	Provide Interactive smart class equipment /gadgets/solar panels like laptops, desktop computers, projectors, Interactive White Boards and distributing study materials, school bags, water bottles, sports equipment etc. to students and Construction & maintenance of clean & sanitized toilets in schools.	Rs 8.0 Lakh (Makarandpur)	Rs 8.0 Lakh (Makarandpur)	Rs 16.0 Lakh
			Rs 8.0 lakhs (Bhatpura Mishr)	Rs 8.0 lakhs (Bhatpura Mishr)	Rs 16.0 Lakh
2	Health	Medical health checkup, Distribution of medicine, free consultation with doctor, provision of facility of ambulance to hospital.	Rs 8.0 Lakh (Makarandpur)	Rs 8.0 Lakh (Makarandpur)	Rs 16.0 Lakh
			Rs 8.0 lakhs (Village Bhatpura Mishr)	Rs 8.0 lakhs (Village Bhatpura Mishr)	Rs 16.0 Lakh
3	Skill Development	Establishment of Skill Development centre for Youth & organizing Training programmes for	Rs 5.0 Lakh (Makarandpur)	Rs 5.0 Lakh (Makarandpur)	Rs 10.0 Lakh
			Rs 5.0 lakhs	Rs 5.0 lakhs	Rs

		youth/residents	(Bhatpura Mishr)	(Bhatpura Mishr)	10.0 Lakh
4	Infrastructure	Roads (Pucca Road for villages to reduce fugitive emissions)	Rs 10.0 Lakh (Makarandpur)	Rs 10.0 Lakh (Makarandpur)	Rs 20.0 Lakh
			Rs 10.0 lakhs (Bhatpura Mishr)	Rs 10.0 lakhs (Bhatpura Mishr)	Rs 20.0 Lakh
5	Agriculture	Scientific Support and Awareness to Local Farmers to Increase Yield of Crop and Fodder	Rs 4.0 Lakh (Makarandpur)	Rs 4.0 Lakh (Makarandpur)	Rs 8.0 Lakh
			Rs 4.0 lakhs (Bhatpura Mishr)	Rs 4.0 lakhs (Bhatpura Mishr)	Rs 8.0 Lakh
	Total		Rs. 70.0 Lakh	Rs. 70.0 Lakh	Rs 140.0 Lakh

9. The project proposal falls under category-5(g) of EIA Notification, 2006 (as amended).

Copy, through email, for information and necessary action to –

1. **Additional Chief Secretary, Department of Environment, Forest and Climate Change, Government of Uttar Pradesh, Lucknow (email – psforest2015@gmail.com)**
2. **Joint Secretary, Ministry of Environment, Forest and Climate Change, Government of India, 3rd Floor, Prithvi-Block, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi-110003 (email – sudheer.ch@gov.in)**
3. **Deputy Director General of Forests (C), Integ rated Regional Office, Ministry of Environment, Forest and Climate Change, Kendriya Bhawan, 5th Floor, Sector “H”, Aliganj, Lucknow – 226020 (email – rocz.lko-mef@nic.in)**
4. **District Magistrate, Mirzapur.**
5. **Member Secretary, Uttar Pradesh Pollution Control Board, TC-12V, Paryavaran Bhawan, Vibhuti Khand, Gomti Nagar, Lucknow-226010 (email – ms@uppcb.com)**
6. **Copy for Guard File.**

**(Sanjeev Kumar Singh)
Member Secretary, SEIAA**