

## Bihar Distillers & Bottlers Private Limited

### Environmental Clearance Compliance Report of 1320 KLPD Distillery and 40 MW Co-generation power plant

#### A. Specific Condition

S. No.	Conditions	Status				
(i)	As per the Notification S.O. 2339(E), dated 16 <sup>th</sup> June, 2021, project falls in category B2 and the proposed capacity of 670 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.	<p><b>Noted:</b> <b>Sanctioned Capacity as per Environmental Clearances granted by MoEFCC</b> :- Earlier 660 KLPD Grain / Molasses based Distillery Plant with 20 MW Co-generation Power Plant as per MoEFCC Environmental Clearance letter F. No. J-11011/98/2012-IA(I) dated 01.05.2014 &amp; subsequent extension letter F. No. IA-J-11011/98/2012-IA-II (I) dated 06.05.2021.</p> <p>Additional 670 KLPD Grain based Distillery Plant with 20 MW Co-generation Power Plant as per MOEFCC Environmental Clearance letter No. J-11011/98/2012-IA II (I) &amp; EC identification No. EC22A060BR137570 dated 17.10.2022.</p> <p>The proposed capacity of 670 KLPD would be only for EBP.</p> <p><b>Installed Capacity:-</b></p> <table><tr><td>ENA/RS/Ethanol (Existing)</td><td>250 KLPD</td></tr><tr><td>Distillery (Wash to Ethanol Plant Existing).</td><td>600 KLPD</td></tr></table> <p><b>Existing Consents to Operate (for 250 KLPD Distillery Unit &amp; 9.4 MW Cogeneration Power Plant):-</b> CTO approval letter no. 3918 dated 16.09.2020 under section 21 of Air (Prevention &amp; Control of Pollution Act 1981 and letter no. 3919 dated 16.09.2020 under section 25/26 of Water (Prevention &amp; Control of Pollution Act 1974, valid for five years.</p> <p><b>Existing Consents to Operate (for 600KLPD Distillery Unit &amp; 14.2 MW Cogeneration Power Plant) :-</b> CTO approval letter no. 3609 dated 17.12.2022 under section 21 of Air (Prevention &amp; Control of Pollution Act 1981 and letter no. 3610 dated 17.12.2022 under section 25/26 of Water (Prevention &amp; Control of Pollution Act 1974, valid for five years.</p>	ENA/RS/Ethanol (Existing)	250 KLPD	Distillery (Wash to Ethanol Plant Existing).	600 KLPD
ENA/RS/Ethanol (Existing)	250 KLPD					
Distillery (Wash to Ethanol Plant Existing).	600 KLPD					
(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.	<p><b>Complied:</b> For existing distillery &amp; Co-generation power plant the environmental protection measures and safeguards that is MEEs, Decanters, Green belt Development, ESPs, Stacks, WWTP, Lab Equipment, Water Sprinklers, CPU etc. has been provided with respect to the environmental management plan.</p>				



(iii)	<p>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.</p>	<p><b>Complied:</b> The company has applied for NOC renewal for Ground water abstraction from Central Ground Water Authority (CGWA). (See copy as annexure A-1)</p>
(iv)	<p>Total Fresh water requirement for expansion project shall not exceed 4 KL/KL of ethanol production i.e. 2680 m<sup>3</sup>/day 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 60 days capacity and the accumulated water to be used as fresh water thereby reducing fresh water consumption. PP shall explore installation of air-cooled condensers in distillery.</p>	<ul style="list-style-type: none"> <li>• <b>Noted :</b>Total Fresh water requirement for expansion project would be met from ground water and would never exceed the stipulated limit of 4 KL/KL of ethanol production i.e. 2680 m<sup>3</sup>/day for 670 KLPD.</li> <li>• <b>Complied:</b> Rainwater harvesting ponds has been provided for the collection and reuse of rainwater.</li> </ul>
(v)	<p>Spent wash shall be dried to form DDGS to be used as cattle feed. The condensate, spent lees and utilities effluent shall be treated in the ETP comprising tertiary treatment (Condensate Polishing Unit). Treated effluent will be recycled/reused for makeup water of cooling towers/process etc. and no waste or treated water shall be</p>	<p><b>Complied:</b></p> <ul style="list-style-type: none"> <li>• Spent wash from the grain based distillery is being dewatered through decanters and the thin slop is concentrated in multi-effect evaporator (MEE). The syrup from MEE is mixed with wet cake from decanters and then it is dried in dryers to form Animal Feed Supplement.</li> <li>• Treated effluent from wastewater treatment plant is being reused. Zero liquid discharge has been adopted.</li> <li>• Adequate capacities of STPs have been installed to treat the sewage generated within factory premises.</li> </ul>



	discharged outside the premises. STP shall be installed to treat the sewage generated from factory premises.	
(vi)	Electrostatic precipitator (5 field and 99.9% efficiency) with a stack height of 60 meters will be installed with 120 TPH biomass such as rice husk/ paddy straw/ wood chips/coal fired boiler for controlling the particulate emissions within the statutory limit of 30 mg/Nm <sup>3</sup> . SO <sub>2</sub> and NO <sub>x</sub> emissions shall be less than 100 mg/Nm <sup>3</sup> . 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.	<ul style="list-style-type: none"> <li>• <b>Complied:</b> ESPs have been provided along with stacks of adequate height with the existing AFBC boilers (capacities 6 (not in use), 52 and 95 TPH) which are using rice husk/coal/wood chips/paddy straw as fuel. The emissions are always well within limit of 50 mg/Nm<sup>3</sup>. (See monitoring report as Annexure – A2)</li> <li>• <b>Noted:</b> For controlling the particulate emission within the statutory limit of 30 mg/Nm<sup>3</sup>, electrostatic precipitator (5 fields and 99.9% efficiency) with a stack height of 60 meters would be install for proposed 120 TPH boiler.</li> </ul>
(vii)	Boiler ash (218 TPD) is being /will be supplied to nearby brick/paver tiles manufacturers. PP shall use biomass like rice husk/bagasse as fuel for the proposed boiler. Low sulphur coal with maximum sulphur content of 0.5% shall only be used. PP shall meet 10% of the total power requirement from solar power by generating power inside plant premises/adjacent/nearby areas.	<b>Complied:</b> The Company has entered into an agreement with Ash lifting Contractor who is supplying fly ash generated from the boilers to the nearby villages of Barap, Balligaon, Kahen, Dulhiganj, Karup for brick manufacturing/ paver tiles manufacturing, in covered vehicles.



(viii)	CO <sub>2</sub> (925 TPD) generated during the fermentation process is being/will be collected by utilizing CO <sub>2</sub> scrubbers and sold to vendors as per local demand.	<b>Complied:</b> CO <sub>2</sub> scrubbers have been installed in the plant premises. Since there is no demand for CO <sub>2</sub> in the state of Bihar, hence the CO <sub>2</sub> plant has not been installed. However, the company is exploring the market for CO <sub>2</sub> and when the demand for the same is identified; the company shall install the CO <sub>2</sub> plant.
(ix)	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.	<b>Noted</b> and is being adhered.
(x)	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.	<b>Complied:</b> The company is providing training on safety and health aspects of chemical handling to all employees on monthly basis.
(xi)	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.	<b>Complied:</b> <ul style="list-style-type: none"> <li>• Fire fighting system has been installed and covers all areas where alcohol is produced, handled and stored. Provision of foam system for fire fighting has been made to control fire from the alcohol storage tank.</li> <li>• The Company has obtained the PESO certificate.</li> </ul>
(xii)	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.	<b>Noted.</b>



(xiii)	<p>The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.</p>	<p><b>Complied:</b> The Company has implemented the waste minimization measures.</p>
(xiv)	<p>Out of the total plant area 6.01 hectares i.e. 33% of the total plant area has already been developed as greenbelt &amp; plantation and the same will be maintained in and around plant premises. The green belt of at least 5-10 m width shall be developed 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.</p>	<p><b>Complied:</b> The Company has already initiated the action for greenbelt densification @2500 trees per hectares by planting various species of trees within the project area, although the desired plantation on 33% of the project area as per greenbelt development requirements had been fulfilled.</p> <p>The selection of plant species has been done as per the CPCB guidelines and with consultation of State Forest Department.</p>
(xv)	<p>PP proposed to allocate Rs. 4.0 Crores towards Extended EMP (CER) which shall be spent as submitted in CER plan for monitorable activities like upgradation of schools with provision of facilities e.g. Class rooms, playground, Laboratory, Library, Computer class, toilets, potable drinking water facilities, solar light/solar power support for uninterrupted power supply, soil nutrient management etc. Further, all the proposed activities under</p>	<p><b>Complied:</b> The Company has already spent a sum of Rs. 1,14,44,932/- on numerous welfare activities From SEPT. 2023 to MARCH 2024 under CER.</p>



	CER shall be completed before the commissioning of the plant in consultation with District Administration.	
(xvi)	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products and no parking to be allowed outside on public places. Out of the total project area, 15% shall be allotted solely for parking purposes with facilities like rest rooms etc.	<b>Complied:</b> Parking facility for vehicle has been provided. Incoming and Outgoing vehicles are being managed to avoid congestion on the public road.
(xvii)	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.	<b>Complied:</b> <ul style="list-style-type: none"> <li>The Company has provided the covered area for the storage of raw material to prevent dust pollution and other fugitive emissions.</li> <li>Presently, the fuel feeding points at the boilers have been covered from where the daily requirement of husk is being met. Also, the boilers fuel conveyers have been covered to avoid husk getting air borne. The company has covered the rice husk stock with durable mesh in the storage areas to prevent it from getting air borne.</li> </ul>



(xviii)	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.	<b>Complied:</b> Continuous online (24x7) monitoring system has been installed for emission and the data is being transmitted to CPCB and SPCB server for existing distillery.
(xix)	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions. EMC head shall report directly to Head of Organization/ Director/CEO as per company hierarchy.	<b>Complied:</b> Environmental Management Cell & laboratory facilities have been Set up to carry out the Environment Management and Monitoring Functions respectively.
(xx)	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 12 <sup>th</sup> 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.	<b>Noted</b> and being adhered.



<b>B. General Conditions</b>		
(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.	<b>Noted:</b> No Expansion or modifications in the plant have been carried out without prior approval of Ministry of Environment and Forest.
(ii)	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	<b>Complied:</b> LEDs have been provided within the plant premises for the 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).	<b>Complied:</b> The overall noise levels in and around the plant area have been kept well within the standards by providing noise control measures. The ambient noise levels is well within the standards prescribed i.e. 75 dBA (day time) and 70 dBA (night time). (See monitoring report as annexure –A-3)
(iv)	The company shall undertake all relevant measures for improving the socioeconomic 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.	<b>Being Complied:</b> The company is taking all relevant measures for improving the socio-economic conditions of the surrounding area as <ul style="list-style-type: none"> <li>• Employment has been provided by company to local population based on their capability and qualification.</li> <li>• Local community is being facilitated during the local festivals such as “Chhat Puja”.</li> <li>• Benches, have been provided for school children in nearby schools.</li> <li>• Free medical services have been provided to nearby villagers on a daily basis.</li> <li>• Water cooler has been provided to Charpokhari Thana and DSP office Piro for use by general public.</li> <li>• Construction of Kali Mata temple in village Devari.</li> <li>• Water cooler has been provided to Women’s Industrial Training Institute, Ara.</li> </ul>





(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.	<b>Complied:</b> <ul style="list-style-type: none"> <li>For existing distillery and Co-generation power plant, Sufficient funds have been invested for meeting capital cost and recurring cost for the implementation of the environment management plan and pollution control measures such as expenditure on MEE, Dryers and decanters, waste water treatment plant, ESP, ash handling and Lab and monitoring system.</li> </ul>
(vi)	A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, ZillaParishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	<b>Complied:</b> A copy of the clearance had been sent to concern Panchayat.
(vii)	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 reports shall be posted on the website of the company.	<b>Being Complied</b> <ul style="list-style-type: none"> <li>Six monthly compliance report of the stipulated Environmental Clearance conditions is being submitted on a regular basis.</li> <li>Six monthly compliance status report has been posted on the website @ <a href="https://bdbpl.co.in/media/half-yearly-compliance.pdf">https://bdbpl.co.in/media/half-yearly-compliance.pdf</a></li> <li>Copy of Environmental Clearance of existing 650 KLPD distillery &amp; 20 MW Co-generation power plant and proposed 670 KLPD distillery and 20 MW Co-generation power plant (Consolidated 1320 KLPD distillery and 40 MW Co-generation power plant) have been posted on website @ <a href="https://bdbpl.co.in/media/EC-650-to-1320-KLD-expension.pdf">https://bdbpl.co.in/media/EC-650-to-1320-KLD-expension.pdf</a></li> </ul>
(viii)	The environmental statement for each financial year ending 31 <sup>st</sup> 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.	<b>Being Complied:</b> Environmental statement of the 850 KLPD distillery (ETHANOL- 600KLPD&ENA- 250KLPD) and 20 MW Co-generation power plant for the period ending 31 <sup>st</sup> March 2023 has been submitted to State Pollution Control Board and Regional Offices of MoEF&CC (Ranchi) vide letter dated 18 July 2023. Also The copy of Environmental statement has been uploaded on the website @ <a href="https://bdbpl.co.in/media/environment-statement-2022-2023-to-bspceb-2-7.pdf">https://bdbpl.co.in/media/environment-statement-2022-2023-to-bspceb-2-7.pdf</a>

(ix)	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> . 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.	<p><b>Complied:</b> Advertisement regarding accord of both environmental clearances had been published in Hindustan Times and Dainik Jagaran newspaper which are as follows</p> <ul style="list-style-type: none"> <li>• 650 KLPD distillery &amp; 20 MW Co-generation power plant.</li> <li>• Augmentation in capacity of distillery 650 to 1320 KLPD and co-generation power plant 20 to 40 MW.</li> </ul> <p><i>(See cuttings of advertisement as Annexure-A4)</i></p>
(x)	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.	<p><b>Complied:</b> The date of financial closure of the proposed expansion of the project capacity from existing 650 KLPD to 850 KLPD was November 2022 and the plant has commissioned in the month of January 2023.</p>
(xi)	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.	<p><b>Noted.</b></p>



Applicant Home	Apply	Feedback	Change Password	Update PAN	Profile	Grievance	Submitted Application Payment
User Request	Application Pass Book	Upload IAR	Upload Attachment	Payment for Associate			

## Information

## Guidelines

## Steps for Filling Online

## Application

## Documents

## Required

Documents Required  
for Online Application

- Industrial
- Infrastructure
- Mining

## Track Status

## Application Status

- Online

## Location

## Area Type

## Segment-B Area Type

## Regional office

## Location

## CGWA Headquarters

## Know Your

## Environmental

## Compensation(EC)

## Know Your Penalty

## Ground Water

## Abstraction/Restoration

## Charges

## Reports

## Applied for NOC -

## Online

## NOC Issued-Online

## Contact Us

## Contact

## Application Status

Application No : 21-4/146/BR/IND/2012

Receive Date : 16/04/2024

Name of Industry : BIHAR DISTILLERS AND BOTTLERS PVT. LTD.

Application Processing Fee : Rs. 5000.00/- (Rupees Five Thousand Only) (Submitted: Yes)

## Ground Water

## Abstraction/Restoration

## Charge :

Ground Water Quality Approved

Ground Water Charge Required:

Not Define

Charge:

S.No.	Amount	Area Amount	Total	Ref No	Date	Status	View
1	100000.00		100000.00	1504240057328	15/04/2024	Success	Ground water abstraction charge View

Aear:

☐ Environment Compensation

SN	Date From	Date To	Daily Quantum (m3/day)(KLD)	Annual Quantum (m3/Year)(KLY)	Area Type Category	Reason Name	Rate	Amount	Remark
No Record Exists.									

Current Stage : Application Verification Stage

Current Status : Submitted

Address : Central Ground Water Authority  
18/11, Jamnagar House, Man Singh Road  
NEW DELHI  
DELHI

## Current Status

## Application Verification

Receive Date	From User Name	To User Name	Forwarded User Name	Action Date	Action Internal Status	Action Comment	Copy of Application Received On
16/04/2024		(Evaluation Officer) Central Ground Water Authority			In Process		

NOCAP			Status		Day		Annual	
No Record for this Stage.								
NOC Processing								
Receive Date	From User Name	To User Name	Forwarded User Name	Action Date	Action Internal Status	Action Comment		
No Record for this Stage.								
NOC Disbursement								
Receive Date	From User Name	To User Name	Forwarded User Name	Action Date	Action Internal Status	Action Comment		
No Record for this Stage.								
<a href="#">Go Back</a>								



(भूजल निकासी हेतु अनापत्ति प्रमाण पत्र)  
**NO OBJECTION CERTIFICATE (NOC) FOR GROUND WATER ABSTRACTION**

Project Name:	Bihar Distillers And Bottlers Pvt. Ltd.		
Project Address:	Village- Devadi, Block- Garhani,, Tehsil- Ara (sadar), District- Bhojpur,		
Village:	Deorhi	Block:	Ara
District:	Bhojpur	State:	Bihar
Pin Code:			
Communication Address:	M/s Bihar Distillers And Bottlers Pvt. Ltd., S.c.o.140-141, Sector 34-a Chandigarh, Chandigarh, Chandigarh, Chandigarh - 160022		
Address of CGWB Regional Office :	Central Ground Water Board Mid Eastern Region, 6th & 7th Floor, Lok Nayak Jai Prakash Bhawan, Frazer Road Dak Banglow, Patna, Bihar - 800011		

1.	NOC No.:	CGWA/NOC/IND/REN/1/2022/7162												
2.	Application No.:	21-4/146/BR/IND/2012					3.	Category: (GWRE 2020)	Safe					
4.	Project Status:	Existing Ground Water					5.	NOC Type:	Renewal					
6.	Valid from:	10/06/2021					7.	Valid up to:	09/06/2024					
8.	Ground Water Abstraction Permitted:													
		Fresh Water		Saline Water		Dewatering		Total						
		m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year	m <sup>3</sup> /day	m <sup>3</sup> /year					
		6000.00	1980000.00											
9.	Details of ground water abstraction /Dewatering structures													
Total Existing No.:2							Total Proposed No.:1							
		DW	DCB	BW	TW	MP	MPu	DW	DCB	BW	TW	MP	MPu	
Abstraction Structure*		0	0	2	0	0	0	0	0	1	0	0	0	
*DW- Dug Well; DCB-Dug-cum-Bore Well; BW-Bore Well; TW-Tube Well; MP-Mine Pit;MPu-Mine Pumps														
10.	Ground Water Abstraction/Restoration Charges paid (Rs.):							10560450.00						
11.	Number of Piezometers(Observation wells) to be constructed/ monitored & Monitoring mechanism.					No. of Piezometers		Monitoring Mechanism						
							Manual	DWLR**	DWLR With Telemetry					
**DWLR - Digital Water Level Recorder						2	0	1	1					

(Compliance Conditions given overleaf)

This is an auto generated document & need not to be signed.

Validity of this NOC shall be subject to compliance of the following conditions:

**Mandatory conditions:**

- 1) Installation of tamper proof digital water flow meter with telemetry on all the abstraction structure(s) shall be mandatory for all users seeking No Objection Certificate and intimation regarding their installation shall be communicated to the CGWA within 30 days of grant of No Objection Certificate.
- 2) Proponents shall mandatorily get water flow meter calibrated from an authorized agency once in a year.
- 3) Construction of purpose-built observation wells (piezometers) for ground water level monitoring shall be mandatory as per Section 14 of Guidelines. Water level data shall be made available to CGWA through web portal. Detailed guidelines for construction of piezometers are given in Annexure-II of the guidelines.
- 4) Proponents shall monitor quality of ground water from the abstraction structure(s) once in a year. Water samples from bore wells/ tube wells / dug wells shall be collected during April/May every year and analysed in NABL accredited laboratories for basic parameters (cations and anions), heavy metals, pesticides/ organic compounds etc. Water quality data shall be made available to CGWA through the web portal.
- 5) In case of mining projects, additional key wells shall be established in consultation with the Regional Director, CGWB for ground water level monitoring four (4) times a year (January, May, August and November) in core as well as buffer zones of the mine.
- 6) In case of mining project the firm shall submit water quality report of mine discharge/ seepage from Govt. approved/ NABL accredited lab.
- 7) The firm shall report compliance of the NOC conditions online in the website ([www.cgwa-noc.gov.in](http://www.cgwa-noc.gov.in)) within one year from the date of issue of this NOC.
- 8) Industries abstracting ground water in excess of 100 m<sup>3</sup>/d shall undertake annual water audit through certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three years through appropriate means.
- 9) Application for renewal can be submitted online from 90 days before the expiry of NOC. Ground water withdrawal, if any, after expiry of NOC shall be illegal & liable for legal action as per provisions of Environment (Protection) Act, 1986.
- 10) This NOC is subject to prevailing Central/State Government rules/laws/norms or Court orders related to construction of tube well/ground water abstraction structure / recharge or conservation structure/discharge of effluents or any such matter as applicable.

**General conditions:**

- 11) No additional ground water abstraction and/or de-watering structures shall be constructed for this purpose without prior approval of the Central Ground Water Authority (CGWA).
- 12) The proponent shall seek prior permission from CGWA for any increase in quantum of groundwater abstraction (more than that permitted in NOC for specific period).
- 13) Proponents shall install roof top rain water harvesting in the premise as per the existing building bye laws in the premise.
- 14) The project proponent shall take all necessary measures to prevent contamination of ground water in the premises failing which the firm shall be responsible for any consequences arising thereupon.
- 15) In case of industries that are likely to contaminate the ground water, no recharge measures shall be taken up by the firm inside the plant premises. The runoff generated from the rooftop shall be stored and put to beneficial use by the firm.
- 16) Wherever feasible, requirement of water for greenbelt (horticulture) shall be met from recycled / treated waste water.
- 17) Wherever the NOC is for abstraction of saline water and the existing wells (s) is /are yielding fresh water, the same shall be sealed and new tubewell(s) tapping saline water zone shall be constructed within 3 months of the issuance of NOC. The firm shall also ensure safe disposal of saline residue, if any.
- 18) Unexpected variations in inflow of ground water into the mine pit, if any, shall be reported to the concerned Regional Director, Central Ground Water Board.
- 19) In case of violation of any NOC conditions, the applicant shall be liable to pay the penalties as per Section 16 of Guidelines.
- 20) This NOC does not absolve the proponents of their obligation / requirement to obtain other statutory and administrative clearances from appropriate authorities.
- 21) The issue of this NOC does not imply that other statutory / administrative clearances shall be granted to the project by the concerned authorities. Such authorities would consider the project on merits and take decisions independently of the NOC.
- 22) In case of change of ownership, new owner of the industry will have to apply for incorporation of necessary changes in the No Objection Certificate with documentary proof within 60 days of taking over possession of the premises.
- 23) This NOC is being issued without any prejudice to the directions of the Hon'ble NGT/court orders in cases related to ground water or any other related matters.
- 24) Proponents, who have installed/constructed artificial recharge structures in compliance of the NOC granted to them previously and have availed rebate of upto 50% (fifty percent) in the ground water abstraction charges/ground water restoration charges, shall continue to regularly maintain artificial recharge structures.
- 25) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, pharmaceutical, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution as per Annexure III of the guidelines.
- 26) In case of new infrastructure projects having ground water abstraction of more than 20 m<sup>3</sup>/day, the firm/entity shall ensure implementation of dual water supply system in the projects.
- 27) In case of infrastructure projects, paved/parking area must be covered with interlocking/perforated tiles or other suitable measures to ensure groundwater infiltration/harvesting.
- 28) In case of coal and other base metal mining projects, the project proponent shall use the advance dewatering technology (by construction of series of dewatering abstraction structures) to avoid contamination of surface water.
- 29) The NOC issued is conditional subject to the conditions mentioned in the Public notice dated 27.01.2021 failing which penalty/EC/cancellation of NOC shall be imposed as the case may be.
- 30) This NOC is issued subject to the clearance of Expert Appraisal Committee (EAC) (if applicable).

**(Non-compliance of the conditions mentioned above is likely to result in the cancellation of NOC and legal action against the proponent.)**



# SHIVA TEST HOUSE

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Annexure-A2



TC-10582

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## TEST REPORT

Ref. No. STH/TR/24-25/139	Dt: 11.04.2024	Your Work Order No. BDBPL/2023-24/WO-32A	Dt: 15.06.2023	
[a] Name and address of the Customer	BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI ARRAH DIST. BHOJPUR – 802 203			
[b] Details of Sample	Monitoring of Stack Emission			
[c] Sample Collected by	By Prem Kumar (Lab Representative) of Shiva Test House on 03.04.24			
[d] Sampling Location	Premises of Bihar Distillers & Bottlers Pvt. Ltd..			
[e] Method of Sampling	IS 11255 (Part-1,2,3 & 7)			
[f] Sampling Environmental Condition	Temp. (°C)	36	Humidity (%) 52	
[g] Details of Sample Container (No. & Type of Container)	Thimble & Glass Impinger			
[h] Instrument ID	VSS-1PLS			
[i] Sample Quantity	60 ml			
[j] Sample Code	ST-139/04/24			
[k] Sample Condition on Receipt	Fit for Analysis			
[l] Items required to be tested	As per contract			
[m] Whether any specific Method of Test has been suggested by the customer	No			
[n] Date of receiving the sample in Laboratory	04.04.24			
[o] Analysis Start Date / Analysis Completion Date	04.04.24 / 09.04.24			
Parameters	Unit	Method of Test	Results	
1. Type of Fuel			Rice Husk	
2. Stack Connected to			ESP connected with Boiler (52 TPH)	
3. Stack No.			11	
4. Height of Stack (as reported)	Meter		55.0	
5. Dia. of Stack at Top (as reported)	Meter		2.5	
6. Material of Construction	---		RCC	
7. Ambient Temperature	°C		36.0	
8. Flue Gas Temperature	°C		118.0	
9. Velocity	m/sec.	IS 11255 (Part-3)	8.4	
10. Volumetric Flow Rate	NM <sup>3</sup> /hr.		113397.3	
11. Sampling Point	Meter		22.0	
			Limit as per EPA Notification	Concentration
12. Particulate Matter (P.M.)	mg / NM <sup>3</sup>	IS 11255 (Part-1)	250.00 mg / NM <sup>3</sup>	26.1
13. Sulphur Dioxide (SO <sub>2</sub> )	mg / NM <sup>3</sup>	IS 11255 (Part-2)	Not Specified	13.8
14. Oxides of Nitrogen (NOx)	mg / NM <sup>3</sup>	IS 11255 (Part-7)	Not Specified	39.2

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Verified by :  
Dr. Shibeshwar Prasad  
Technical Manager



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Prasad

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Authorized Signatory  
Dr. (Mrs.) Shreyasee Prasad  
Quality Manager

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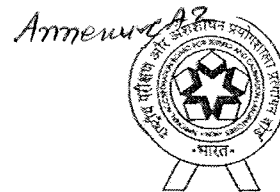
Contact us : 122-C, Aastha, Road No. 5A, Patliputra Colony, Patna – 800 013 (Bihar)  
Mob.: +918676886249 ; +919431047908 Email : [sthpatna1@yahoo.co.in](mailto:sthpatna1@yahoo.co.in) ; [info@shivatest.com](mailto:info@shivatest.com)  
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# SHIVA TEST HOUSE

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TC-10582

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## TEST REPORT

Ref. No. STH/TR/24-25/140	Dt: 11.04.2024	Your Work Order No. BDBPL/2023-24/WO-32A	Dt: 15.06.2023
[a] Name and address of the Customer	BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI ARRAH DIST. BHOJPUR – 802 203		
[b] Details of Sample	Monitoring of Stack Emission		
[c] Sample Collected by	By Prem Kumar (Lab Representative) of Shiva Test House on 03.04.24		
[d] Sampling Location	Premises of Bihar Distillers & Bottlers Pvt. Ltd.		
[e] Method of Sampling	IS 11255 (Part-1,2,3 & 7)		
[f] Sampling Environmental Condition	Temp. (°C)	36	Humidity (%)
[g] Details of Sample Container (No. & Type of Container)	Thimble & Glass Impinger		
[h] Instrument ID	VSS-1PLS		
[i] Sample Quantity	60 ml		
[j] Sample Code	ST-140/04/24		
[k] Sample Condition on Receipt	Fit for Analysis		
[l] Items required to be tested	As per contract		
[m] Whether any specific Method of Test has been suggested by the customer	No		
[n] Date of receiving the sample in Laboratory	04.04.24		
[o] Analysis Start Date / Analysis Completion Date	04.04.24 / 09.04.24		
Parameters	Unit	Method of Test	Results
1. Type of Fuel			Rice Husk
2. Stack Connected to			ESP connected with Boiler (95 TPH)
3. Stack No.			I
4. Height of Stack (as reported)	Meter		55.0
5. Dia. of Stack at Top (as reported)	Meter		3.43
6. Material of Construction	---		RCC
7. Ambient Temperature	°C		36.0
8. Flue Gas Temperature	°C		122.0
9. Velocity	m/sec.	IS 11255 (Part-3)	8.7
10. Volumetric Flow Rate	NM <sup>3</sup> /hr.		219340.8
11. Sampling Point	Meter		22.0
			Limit as per EPA Notification
12. Particulate Matter (P.M.)	mg / NM <sup>3</sup>	IS 11255 (Part-1)	250.00 mg / NM <sup>3</sup>
13. Sulphur Dioxide (SO <sub>2</sub> )	mg / NM <sup>3</sup>	IS 11255 (Part-2)	Not Specified
14. Oxides of Nitrogen (NO <sub>x</sub> )	mg / NM <sup>3</sup>	IS 11255 (Part-7)	Not Specified
			Concentration
			27.6
			14.1
			39.2

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Verified by :  
Dr. Shibeshwar Prasad  
Technical Manager

Authorized Signatory  
Dr. (Mrs.) Shreyasee Prasad  
Quality Manager

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Mob.: +918676886249 : +919431047908 Email : [sthpatna1@yahoo.co.in](mailto:sthpatna1@yahoo.co.in) : [info@shivatest.com](mailto:info@shivatest.com)  
Website : [www.shivatest.com](http://www.shivatest.com) ; [www.shivatesthouse.com](http://www.shivatesthouse.com)







# SHIVA TEST HOUSE

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Annexure-A2



TC-10582

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## TEST REPORT

Ref. No. STH/TR/24-25/141	Dt: 11.04.2024	Your Work Order No. BDBPL/2023-24/WO-32A	Dt: 15.06.2023	
[a] Name and address of the Customer	BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI ARRAH DIST. BHOJPUR – 802 203			
[b] Details of Sample	Monitoring of Stack Emission			
[c] Sample Collected by	By Prem Kumar (Lab Representative) of Shiva Test House on 03.04.24			
[d] Sampling Location	Premises of Bihar Distillers & Bottlers Pvt. Ltd.			
[e] Method of Sampling	IS 11255 (Part-1,2,3 & 7)			
[f] Sampling Environmental Condition	Temp. (°C)	36	Humidity (%)	52
[g] Details of Sample Container (No. & Type of Container)	Thimble & Glass Impinger			
[h] Instrument ID	VSS-1 PLS			
[i] Sample Quantity	60 ml			
[j] Sample Code	ST-141/04/24			
[k] Sample Condition on Receipt	Fit for Analysis			
[l] Items required to be tested	As per contract			
[m] Whether any specific Method of Test has been suggested by the customer	No			
[n] Date of receiving the sample in Laboratory	04.04.24			
[o] Analysis Start Date / Analysis Completion Date	04.04.24 / 09.04.24			
Parameters	Unit	Method of Test	Results	
1. Type of Fuel			HSD	
2. Stack Connected to			DG Set 1000 KVA (Cummins Make, Sl. N. RB30492910941083)	
3. Stack No.			III	
4. Height of Stack (as reported)	Meter		5.0 M.	
5. Dia. of Stack at Top (as reported)	Meter		0.15 M.	
6. Material of Construction	---		M.S.	
7. Ambient Temperature	°C		36.0	
8. Flue Gas Temperature	°C		132.0	
9. Velocity	m/sec.	IS 11255 (Part-3)	7.4	
10. Volumetric Flow Rate	NM <sup>3</sup> /hr.		347.8	
11. Sampling Point	---		Top of Exhaust	
			Limit as per EPA Notification	Concentration
12. Particulate Matter (P.M.)	mg / NM <sup>3</sup>	IS 11255 (Part-1)	75.00 mg / Nm <sup>3</sup>	26.1
13. Sulphur Dioxide (SO <sub>2</sub> )	mg / NM <sup>3</sup>	IS 11255 (Part-2)	Not Specified	13.7
14. Oxides of Nitrogen (NOx)	mg / NM <sup>3</sup>	IS 11255 (Part-7)	710.00 mg / Nm <sup>3</sup>	149.9
* : Emission Standards for Diesel Engines for Power Plant, Generator Set Application and other Requirements				

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Shreyasee Prasad

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Verified by :  
Dr. Shibeshwar Prasad  
Technical Manager

Authorized Signatory  
Dr. (Mrs.) Shreyasee Prasad  
Quality Manager

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Mob.: +918676886249 ; +919431047908 Email : sthpatna@yahoo.co.in , info@shivatest.com  
Website : www.shivatest.com ; www.shivateshouse.com





# SHIVA TEST HOUSE

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Annexure - A3



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## TEST REPORT

Ref. No. STH/TR/24-25/142	Dt: 11.04.2024	Your Work Order No. BDBPL/2023-24/WO-32A	Dt: 15.06.2023	
[a] Name and address of the Customer	BIHAR DISTILLERS & BOTTLERS PVT. LTD. VILL. DEVRI P.O.: GARHANI ARRAH DIST. BHOJPUR – 802 203			
[b] Sampling Environmental Condition	Temp. (°C)	36	Humidity (%)	52
[c] Details of Sample	Monitoring of Ambient Noise Level (Day & Night Time) within plant Premises			
[d] Monitored by	By Prem Kumar (Lab Representative) of Shiva Test House on 03.04.24			
[e] Whether any specific Method of Test has been suggested by the party	No			
Sampling Location	Unit	TWA of Noise Level		
		Daytime (6:00 am to 10:00 pm)	Nighttime (10:00 pm to 6:00 am)	
1. Near Main Gate	dB(A)	64.6	53.6	
2. Near Boiler Section	dB(A)	63.8	54.8	
3. Near Packing Material Store	dB(A)	68.2	56.2	
N.B.:	The Ambient Air Quality Standards in respect of Noise as per Noise Pollution (Regulation and Control) Rules 2000 for Industrial area is 75.0 dB(A), for Commercial area is 65.0 dB(A), for Residential area is 55.0 dB(A) & for Silence Zone is 50.0 dB(A) in daytime i.e. 6.00 am to 9.0 p.m. As per Rule 7(1&2) the authority shall take action against violator if the noise level exceed the ambient noise standards by 10 dB(A) or more against any area/zone.			

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Verified by :  
Dr. Shibeshwar Prasad  
Technical Manager

Authorized Signatory  
Dr. (Mrs.) Shreyasee Prasad  
Quality Manager

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Website : [www.shivatest.com](http://www.shivatest.com) ; [www.shivatesthouse.com](http://www.shivatesthouse.com)

# M/s BIHAR DISTILLERS & BOTTLERS PVT. LTD

## **PUBLIC NOTICE**

Public at large is hereby informed that, M/s. Bihar Distillers & Bottlers Pvt. Ltd. has been granted Environmental Clearance for Proposed 660 KLPD Grainolasses based Distillery with 20 MW Cogeneration Power plant at Village Devadi, Block Garhani, Ara, District Jehanpur, Bihar by Ministry of Environment and Forests, Government of India, vide letter No. J-11011/98/2012-IA-1 dated 01<sup>st</sup> May 2014.

Copy of Environment Clearance letter is available with the SPCB / Committee and may also be seen at Website of the Ministry and at <http://moef.nic.in>.



# सार्वजनिक सूचना

जनता को एतद द्वारा सूचित किया जाता है कि मैं, बिहार डिस्ट्रिक्ट्स एंड बॉटलर्स प्रा. लिमिटेड को "पर्यावरण और वन मंत्रालय" भारत सरकार द्वारा ग्राम देवडी, ब्लॉक गड़हनी आरा, जिला भोजपुर, बिहार में 20 मेगावाट कोजेनेरेशन पावर प्लांट के साथ प्रस्तावित 660 केएलपीडी अनाज/शीरा आधारित डिस्ट्रिक्टरी के लिए पर्यावरण मंजूरी दी गई है। J-11011/98/2012-IA-II (I) दिनांक 01 मई 2014 पर्यावरण मंजूरी पत्र की प्रति एसपीसीबी/समिति के पास उपलब्ध है और इसे मंत्रालय की वेबसाइट और <http://moef.nic.in> पर भी देखा जा सकता है।

मेसर्स बिहार डिस्ट्रिक्ट्स एंड बॉटलर्स प्रा. लिमिटेड