

Date: 30.11.2023

Ref: BHSL/KKH/Distillery/EHS/2023/

To,
The Dy. Director
Government of India,
Ministry of Environment & Forests,
Regional Office (Central Region),
5th Floor, Kendriya Bhawan,
Sector-H, Aliganj
Lucknow - 226024

Sub:- Environmental Clearance Present status of 160 KLPD Distillery Unit & CO2 Plant of M/s Bajaj Hindusthan Sugar Limited at Khambharkhera, Distt - Lakhimpur-Kheri (U.P)

Ref: **ENVIRONMENTAL CLEARANCE No. J-11011/339/2006 IA -II (I) dated 07.12.2006**

Dear Sir,

Kindly refer to your letter vide No. J-11011/339/2006 IA -II (I) dated 07.12.2006 regarding above subject. Compliance report of Environmental Clearance for the period from **April 2023 To September 2023** is enclosed as annexure-2. Our submission is as below;

<u>S.No</u>	<u>Details of Points</u>	<u>Present Status</u>
01	Data sheet Part-1	Enclosed herewith as annexure-1
02	Environmental Compliance	Enclosed herewith as annexure-2
03	Copy of Air consent	Enclosed herewith as annexure-3
04	Copy of Water consent	Enclosed herewith as annexure-4
05	Details of Water used/day Effluent Generation etc	Enclosed herewith as annexure-5
06	Effluent Analysis report	Enclosed herewith as annexure-6
07	Stack emission report	Enclosed herewith as annexure-7
08	Ambient Air Quality Report	Enclosed herewith as annexure-8

09	Noise level report (Night Time & day Time)	Enclosed herewith as annexure-9
11	Ground water Quality report	Enclosed herewith as annexure-10
12	Details of lab. Equipment	Enclosed herewith as annexure-11
13	Details of Environmental Management Cell	Enclosed herewith as annexure-12
14	Fund provision with Implementation schedule	Enclosed herewith as annexure-13
15	Details of Green Belt	Enclosed herewith as annexure-14
16	Ground Water Draw Permission	Enclosed herewith as annexure-15
17	Advertisement of the Clearances letter in two local newspapers	Enclosed herewith as annexure-16
18	Details of Production	Enclosed herewith as annexure-17
19	Occupational Health Surveillance programme of employees.	Enclosed herewith as annexure-18

We hope above are in order and we assure your good self that environment protection is our focused area on achieving standards in all parts of our operation. In case of any further clarification/information, we will submit the same immediately.
Thanking you,

Yours faithfully,
For: Bajaj Hindusthan Sugar Ltd.

Unit Head (Distillery)
BHSL Khambharkhera

PART- 1

DATA – SHEET

- 1- Project type : Distillery
- 2- Name of project : Bajaj Hindusthan Sugar Ltd.
(Distillery Unit) Khambharkhera
Lakhimpur Kheri U.P..
- 3- Clearance letter/OM
no. & date : MoEF No.-J-11011/339/2006-IA- (I)
Dated 07-12-2006
- 4- Location : khambharkhera
District : Lakhimpur-Kheri
State : (U.P)
Latitude/Longitude : 27 Deg.54'N / 80 Deg. 48'E
- 5- Address for
correspondence : Mr. Atul Kumar Singh
Unit Head/GM. (Distillery)
Bajaj Hindusthan Sugar Limited Unit-
(Distillery),Khambharkhera,Lakhimpur-Kheri (U.P.)
- 6- Salient features
- (A) Project Bajaj Hindusthan Sugar Limited has installed a new distillery at Khambharkhera Distt.- Lakhimpur- Kheri (U.P) in the premises of our existing sugar factory. The capacity of the plant is 160 K.L. / day Rectified spirit (R.S.) including Power Alcohol
- (B) Environmental Management Plan: Existing distillery is based on zero discharge technology in which 100% spent wash is being consumed in the manufacturing of Bio-compost and other points have been covered in E.I.A. report in chapter -7.
- (7) Breakup of the Project area: For Plant & machinery -approx. 17.00 acres
Bio-Compost area -approx. 35.37 acres
For Lagoon -approx. 3.34 acres

(8) Breakup of the project affected Population with enumeration of those Losing houses/dwelling unit only units And agricultural land less laborers/artisans.

(a) SC/ST advises

(b) Others

(c) Number of villages affected

Name and other particulars of identified Area for settlement

(d) Compensation package

(e) Budget

(f) Status

(Please indicate whether these figures are based on any scientific and systematic survey carried Out or only provisional figures. If a survey is Carried out give details and year of survey.)

Not Applicable

(9)- Financial details:

(a) Project cost as originally planned subsequent Revised estimates and the years of price reference
(b) Allocations made for Environment Management Plans, with item wise and year wise break-up

Total project cost
Rs. 80 Crores
Rs. 32 Crores
including

(c) Benefit cost ratio/ internal rate of return and the year of assessment.

(d) Whether (c) includes the cost of environmental Management as shown in (b) above.

(e) Actual expenditure incurred on the Environmental Management plant so far.

We have invested

10 Forest land requirement

(a) The status of approval for a diversion of Forest land for forest use.

(b) The status of compensatory afforestation, if any.

(c) The status of clear felling.

- (d) Comments on viability & sustainability of Compensatory afforestation programs in the light of actual field experience so far. Not applicable
- 11 The status of clear felling in non-forest area. N.A.
- 12 Status of construction:
- (a) Date of commencement (actual and/or planned) 10.12.2006
- (b) Date of completion (actual and / or planned): We have completed the construction and plant is running under commercial Production as per consent of UPPCB since 28.03.2007
- 13 Compliance report on Environmental conditions: Enclosed
-

Annexure-2

COMPLIANCE REPORT OF ENVIRONMENTAL CLEARANCE (No. J-11011/339/2006 IA -II (I) dated 07.12.2006) issued by MoEF for installation of 160 KLPD new Distillery unit by Bajaj Hindusthan Sugar Limited at Khambharkhera, District Lakhimpur (Kheri)

Sl. No.	Specific conditions Details	Compliance
(i)	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency.	Treated effluent and stack emission has been kept within norms through incorporation of State of Art Technology and plant used to stopped immediately in case of process disturbance/failure.
(ii)	The company shall adopt continuous fermentation technology. For treatment of spent wash, for the initial two years, the unit shall adopt concentration followed by Bio-composting and after two years the same shall be shifted to incineration. As reflected in the EMP, the spent wash shall be concentrated in Fluidized Bed Heat Exchanges (FLUBEX) as the Integrated Evaporation System and it will be ensured that the spent wash generation shall not exceed 10 KL/KL of alcohol produced. The concentrated spent wash (800 m3/d) shall be bio-composted with press mud. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly followed. Land and other requirements for treatment of spent wash with press mud shall be as per the CPCB guidelines. The company shall earmark an area of 31.6 Acres for bio-composting, storage of finished products etc. The compost yard shall be made impervious as per the CPCB guidelines.	Bio-compost plant has already been installed in the area of 31.6 acre and operational as per CPCB guideline but after installation of incineration boiler ,Bio Gas & Bio Compost plant has been closed further five effect evaporator plant & R.O Plant installed and also being operated efficiency & zero discharge condition is being maintained.
(iii)	The company shall install ventury type high	Steam is supplied by existing

	efficiency wet scrubber and a stack of 45 m height of to control the emissions from the bagasse fired boiler to achieve the particulate emissions within the prescribed standards.	sugar plant having Wet scrubber with 65 Meter stack height to contain the emission well below 150 mg/NM ³ .but after installation slop boiler in distillery unit new stack height 90 meter with ESP & Emission is below 150 mg/nm ³
(iv)	Emission rate of various pollutants in g/sec may be provided within 15 days of the issue of this letter.	Emission rate as per norms is below 0.083 g/Sec.
(v)	The spent wash shall be stored in impervious pucca lagoons. The spent wash lagoons shall have proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. As per the CPCB recommendation, storage shall not exceed 30 days capacity.	Impervious storage Lagoon with less than 30 days capacity has been made with HDPE lining as per CPCB guidelines.
(vi)	The company shall obtain permission from the Central Ground Water Board for drawl of ground water.	Permission from the Central Ground Water Board for drawl of ground water has been taken.
(vii)	Adequate numbers of ground water quality monitoring stations shall be set up around the compost plant and the project area. These monitoring stations will be provided with piezometers. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry. The company shall carry out regular analysis of compost, leachate for BOD and pH.	Piezometers for ground water quality monitoring stations have already been installed. Regular analysis of Ground water, leachate for BOD and pH is being done by us and report is submitted regularly.
(viii)	The operation of distillery shall be restricted to 270 days and that it will not operate during rainy season.	Distillery will be operated only for 270 days. In rainy season, operation will remain stopped. But after the installation of slop boiler we get the permission of 365 days operation from UPPCB & New consent copy is attached herewith.
(ix)	As per the undertaking submitted by the Proponent, green belt of adequate width and density in 33% of the total plant area shall be provided to mitigate the effects of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.	Provision of the green belt in 33% of total plant area has already been taken and plantation is being maintained as per CPCB guideline & DFO Advice.also plantation has been done as

		per green belt area requirement and UP Govt. guidelines.(Annexure enclosed herewith)
(x)	Company shall adopt rainwater-harvesting measures to recharge the ground water.	Provision for rain water harvesting is installed to recycle the rain water from Go down roof.
(xi)	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee shall be maintained separately.	Surveillance programme is already in our system and medical records of each employee are also maintained.
Sl. No.	General conditions	
	Details	Action Details
(i)	The project authorities must strictly adhere to the stipulations made by the Uttar Pradesh State Pollution Control Board and the State Government.	Being adhered as per the stipulation made by UPPCB and State Government from the start of project.
(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests.	No expansion or modification work will be taken up without prior approval of MoEF.
(iii)	Ambient Air Quality Monitoring Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ , NO _x , are anticipated in consultation with the State Pollution Control Board.	Air quality monitoring stations has already been set up in consideration of maximum ground level concentration of SPM, SO ₂ , NO _x in consultation with UPPCB.
(iv)	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noise control measures has already been implemented to keep the noise level well within the 85 dBA and ambient level below 75 dBA (day time) and 70 dBA (night time).
(v)	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/EMP report.	Environmental protection measures have been implemented for effective compliance of safe guards recommended in EIA/EMP reports.
(vi)	A separate environmental management cell	Environmental Management

	equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Cell is in place and lab equipments have been installed in order to carry out Environmental management and monitoring functions.
(vii)	The project authorities shall provide funds of Rs.16.00 Crore, as mentioned in the no. xix of the questionnaire as capital cost for the environment protection measures. Separate funds for recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as the State Government shall be kept. Also, the implementation schedule for all the conditions stipulated herein shall be submitted. The funds so provided shall not be diverted for any other purpose.	Dedicated fund of Rs. 106.00 crores is being utilized gainfully for implementation of condition stipulated by statutory authorities.
(viii)	The implementation of the project vis-a-vis environmental action plans will be monitored by Ministry's Regional Office at Lucknow/State Pollution Control Board/Central Pollution Control Board. A six monthly compliance status report along with the monitored data shall be submitted to the monitoring agencies.	Six monthly compliance status reports along with data will be submitted to UPPCB / CPCB / MoEF.
(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 State Pollution Control Board/Committee and may also be seen at website of the Ministry of Environment and Forests at http://envfor.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 Regional office.	Environmental clearance details have already been published in two local news papers for public information.
(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 land development work.	Financial closure as well as date of start of land development work has already been informed.
(xi)	The Ministry may revoke or suspend the clearance, if implementation of any of the above condition is not satisfactory.	Concerted efforts have been put for implementation of all condition as directed.

(xii)	The ministry reserve the right to stipulate additional condition if found necessary. The company will implement these conditions in a time bound manner.	Environmental protection measures as stipulated have been completed with time frame.
(xiii)	The above conditions will be enforced along with the provisions of the water (Prevention & control of Pollution) Act 1974, the Air (Prevention & control of Pollution) Act 1981, the environment (Protection) Act, 1986 and the public liability Insurance Act, 1991 along with their amendments and rules hereunder.	Provision of Compliance of Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability along with above conditions is also being complied as directed.

COMPLIANCE REPORT OF AMENDMENT IN ENVIRONMENTAL CLEARANCE (No. J-11011/339/2006 IA -II (I) dated 14.11.2008) issued by MoEF for installation of Bio-Methanation unit by Bajaj Hindusthan Sugar Ltd. at Khambharkhera, Lakhimpur (Kheri)

Sl. No.	Specific conditions	
	Details	Compliance
(i)	The company shall adopt continuous fermentation technology. For treatment of spent wash, after bio-meth nation its volume shall be reduced by concentration in the boiler. The concentrated spent wash shall be composted with press mud to achieve zero discharge as per the CPCB guidelines. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly followed. Land and other requirements for treatment of spent wash with press mud shall be as per the CPCB guidelines. The company shall earmark an area of 31.6 acres for bio-composting, storage of finished products etc. The compost yard shall be made impervious as per the CPCB guidelines.	Bio-compost plant has already been installed in the area of 31.6 acre and operational as per CPCB guideline but after installation of incineration boiler ,Bio Gas & Bio Compost plant has been closed further five effect evaporator plant & R.O Plant installed and also being operated efficiency & zero discharge condition is being maintained.
(ii)	The construction of bio-meth nation plant shall be completed and it shall start functioning within one year as per the milestone submitted to the Ministry.	Bio-Meth nation plant has already been installed in the given time frame but installation of incineration boiler ,Bio Gas & Bio Compost plant has been closed
(iii)	The company shall submit Bank Guarantee of Rs.5.0 lakhs for each of the three distillery units to the SPCB for installation of bio-meth nation plant as per the project implementation schedule submitted to the Ministry vide letter dated 16 th September, 2008.	The project was completed well in stipulated time frame

(iv)	The State Pollution Control Board shall ensure that the milestones for implementation are achieved and shall monitor the progress of construction of bio meth nation plant. Further, the CPCB being a central agency shall keep a close watch on the progress of events as per the project implementation schedule submitted by the company.	
(v)	The company shall comply all the other environmental safeguards stipulated by the Ministry while issuing environmental clearance for all the three distillery units vide letters no. J-11011/338/2006 IA. II (I), J-11011/339/2006 IA. II (I) and J-11011/340/2006 IA. II (I) dated 7 th December, 2006.	We are complying all the environmental safeguards as stipulated by the Ministry while issuing environmental clearance vide letter No. J-11011/339/2006 IA. II (I) dated 7 th December, 2006 to us.
(vi)	If there is any change in the scope of the project, the company shall obtain fresh environmental clearance from the ministry.	We shall inform and obtain the required clearance; if there will be any change.



Uttar Pradesh Pollution Control Board

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

Phone 0522-2720828,2720831, Fax.0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

170584/UPPCB/Lucknow(UPPCBRO)/CTO/both/LAKHIMPUR
KHIRI/2022

Date: 19/12/2022

To,

M/s

BAJAJ HINDUSTHAN SUGAR LTD KHAMBHARKHERA DISTILLERY DIVISION

Bajaj Hindusthan Sugar Ltd Distillery Division, Sharda Nagar Road,
Khambhar Khera, Lakhimpur Kheri, LAKHIMPUR KHIRI, 261506

Application Id-
18726779

Consolidated Consent to Operate and Authorisation hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981

CCA is hereby granted to **BAJAJ HINDUSTHAN SUGAR LTD KHAMBHARKHERA DISTILLERY DIVISION** located at **Bajaj Hindusthan Sugar Ltd Distillery Division, Sharda Nagar Road, Khambhar Khera, Lakhimpur Kheri, LAKHIMPUR KHIRI, 261506.** subject to the provisions of the **Water Act, Air Act** and the orders that may be made further and subject to following terms and conditions :-

1. This CCA **BAJAJ HINDUSTHAN SUGAR LTD KHAMBHARKHERA DISTILLERY DIVISION** granted for the period from **01/01/2023 to 31/12/2024** and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Ethanol/RS/ENA/AA (B-heavy Molasses/Sugar Syrup)	200	Kilo Liters/Day
2	Ethanol/RS/ENA/AA (C-heavy Molasses)	160	Kilo Liters/Day

2. **Conditions under Water(Prevention and Control of Pollution) Act -1974 as amended :-**

(i) The daily quantity of effluent discharge (KLD) :-

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	10.0 KLD (STP in sugar unit)	STP	Horticultor with in premises
Industrial	Zero Liquid Discharged	ETP	ZLD

(ii) Trade Effluent Treatment and Disposal :-The applicant shall operate Effluent Treatment Plant consisting of primary/secondary and tertiary treatment as is required with reference to influent quantity and quality.

In case of stoppage of functioning of ETP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(iii) The treated effluent shall be recycled to the maximum extent and should be reused within the premises for gardening etc. Quality of the treated effluent shall meet to the following general and specific standards as prescribed under Environment (Protection) Rules, 1986 and applicable to the unit from time-to-time :-

Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	Zero Liquid Discharge	ZLD

(iv) Sewage Treatment and Disposal :- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
1	pH	5.5-9.0
2	BOD (mg/L)	10
3	TSS (mg/L)	20
4	Fecal Coliform (MPN/100ml)	230 MPN/100 ml

3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	01 nos Slop Fired Boiler (capacity of 60.0 TPH) with ESP	Bagasse and Slop	1	Particulate Matter	90 meter above Ground Level

Emission Quality Standards

S No.	Stack no	Parameters	Standards
1	1	Particulate Matter	150 mg/Nm ³

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

(ii) The unit will not use any type of restricted fuel.

iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows :-

Day time : from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	Zero Liquid Discharge	ZLD

(iv) Sewage Treatment and Disposal :- The applicant shall provide comprehensive STP as is required with reference to influent quantity and quality. In case of stoppage of functioning of STP, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately.

(v) The treated sewage shall be reused in gardening as far as possible. The STP shall be maintained continuously so as to achieve the quality of the treated sewage to the following standards.

S No.	Parameters	Standards
1	pH	5.5-9.0
2	BOD (mg/L)	10
3	TSS (mg/L)	20
4	Fecal Coliform (MPN/100ml)	230 MPN/100 ml

3. Conditions under Air (Prevention and Control of Pollution) Act -1981 as amended :-

i) The applicant shall use following fuel and install a comprehensive control system consisting of control equipment as required with reference to generation of emissions and operate and maintain the same continuously so as to achieve the level of pollutants to the following standards.

Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	01 nos Slop Fired Boiler (capacity of 60.0 TPH) with ESP	Bagasse and Slop	1	Particulate Matter	90 meter above Ground Level

Emission Quality Standards

S No.	Stack no	Parameters	Standards
1	1	Particulate Matter	150 mg/Nm ³

In case of stoppage of functioning of air pollution control equipment, production has to be stopped immediately and this Board has to be intimated by fax/phone/email with a report in this regard to be dispatched immediately

(ii) The unit will not use any type of restricted fuel.

iii) Noise from the D.G. Set and other source(s) should be controlled by providing an acoustic enclosure as is required for meeting the ambient noise standards for night and day time as prescribed for respective areas/zones (Industrial, Commercial, Residential, Silence) which are as follows :-

Day time : from 6.00 a.m. to 10.00 p.m., Night time: from 10.00 p.m. to 6.00 a.m.

Standards for Noise level in db(A) Leq	Industrial Area		Commercial Area		Residential Area		Silence Zone	
	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time	Day Time	Night Time
	75	70	65	55	55	45	50	40

4. Essential documents to be submitted by the Industry/Unit as Applicable :-

(i) Environment Statement in Form-V of Environment (Protection) Rules, 1986.

(ii) Quarterly compliance report of the CCA, photograph of ETP/APCs/Waste Storage Area.

5. Competent Authority reserves the right to change/modify/add any time any condition of this CCA.

6. Unit has to comply with the following specific & general conditions. Non compliance of any provision of this CCA and provisions of the Water Act, Air Act and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 will result in legal action under the aforesaid Acts and Rules.

7. In compliance to the G.O 1011/81-7-2021-09 (Writ)/2016 dated.13.10.2021 issued by Department of Environment, Forest and Climate Change, Uttar Pradesh. You are directed to develop Miyawaki Forest as per the SOP available at URL:-<http://www.upecp.in/TrainingSession.aspx> for ensuring timely compliance of this direction, you are hereby directed to submit a bank guarantee with minimum validity of one year of the amount equivalent to the sum of initial consent fees (Air and Water) or Rs. 50,000/- (Rs. Fifty Thousand Only) whichever is more, within 30 days from the date of issuance of this certificate. In case of non-compliance of this direction, your consent will be revoked by the Board.

8. If the unit uses the ground water and requires the permission from SGWA/CGWA for water abstraction then the industry will have to obtain No objection certificate for abstraction of ground water. It will be the responsibility of the industry to comply with the various conditions of the NOC obtained from the competent authority and submit to the Board, within 3 months time failing which CTO will be revoked.

General Conditions:-

1. The applicant shall get analysed the samples of effluent/emission/hazardous wastes at least once in a three month from the laboratory recognized by the MoEF and shall report to the UPPCB.

2. The applicant shall however, not without the prior consent of the Board bring into use any new or altered outlet for the discharge of effluent or gases emission or sewage waste from the unit.

3. Treated Industrial waste water and domestic waste water shall be disposed jointly at one disposal point. The applicant shall provide discharge measurement equipment at final disposal point.

4. The applicant shall strictly comply with conditions of this CCA and submit compliance report of stipulated conditions within 30 days of receipt of this CCA. If at any point of time, it is found that the industry is not complying with stipulated conditions or any further direction/instruction issued by the Board, legal action shall be initiated against the applicant.

5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof

6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.

7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.

8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.

9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.

10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be

reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.

11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point

12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

Specific Conditions:-

1. This consent is issued for the production of 200 KLD Ethanol/RS/ENA/AA using B-heavy Molasses/Sugar Syrup as raw material, for 365 days operation. If using C-Heavy Molasses as raw material, the production capacity will be 160 KLD.

2. This consent is valid for the current products and capacity. In Case of any change in process, capacity enhancement etc. No Objection Certificate shall be obtained from the Board.

3. The industry shall ensure to operate and maintain properly the MEE, CPU, digester and RO to ensure Zero Liquid Discharge; failing which, this consent order shall be treated as cancelled.

4. The industry shall comply with all other directions issued under the Water (Prevention and Control of Pollution) Act, 1974 stipulated by Central Pollution Control Board, New Delhi to ensure achievement of Zero Liquid Discharge positively.

5. The industry shall comply with the conditions of Environmental Clearance issued by MoEF & CC vide letter no J-11011/339/2006-IA II(I) dated 07.12.2006.

6. The industry shall ensure compliance of conditions mentioned in the "No Increase in Pollution Load" certificate issued by the Board vide letter no. 16/UPHOC5/EIA/LAKHIMPUR KHIRI/2021 dated 12.07.2021.

7. Due to change in raw material from C-Heavy molasses to B-Heavy molasses / Sugar Syrup based expansion of Ethanol production capacity from 160 KLD to 200 KLD shall result in "No Increase in Pollution Load" subject to the condition that the project is implemented strictly in accordance with the technical details submitted by the Project Proponent in the Board.

8. The unit shall restrict the spent wash storage capacity to 07 days only (B-Heavy molasses / Sugar Syrup).

9. The unit should submit monthly data of following to UPPCB:

- a. Fresh water consumption.
- b. Ethanol Production.
- c. Spent wash generation.
- d. Slop generation.
- e. Condensate generation.
- f. Feed quantity of slop into incinerator.
- g. Yeast sludge generation.
- h. Boiler ash generation.
- i. Quantity of granule generation and sold.
- j. Quantity of Spent lees generation, recycle/reuse and treatment in CPU.

- k. Quantity of effluent received into CPU, details of reuse/recycle etc.
- l. Steam generation, fuel consumption.
- m. CO₂ production.

10. Industry shall operate and maintain measuring devices (water / flow meters) at required location (raw water consumption, solid separation system: feed, permeate and reject, evaporation concentration systems: feed concentrate and condensate, water reused in the process & concentrate utilized in drying system/equivalent technology) to record the water balance shortly without delay.

11. Industry shall install web cameras at each strategic location such as MEE, spent wash storage lagoon and CPU etc. for monitoring purpose and provide its URL & ID to the Board within a month.

12. Industry shall operate and maintain the effluent treatment system effectively and regularly. All the effluent treatment system shall be kept in good running condition all the time and failure (if any), shall be immediately rectified without delay otherwise, similar alternate arrangement shall be made. In the event of any failure of any pollution control system adopted by the industry, the respective production unit shall not be restarted until the control measures are rectified to achieve the desired efficiency. Industry shall not discharge any treated / untreated effluent in to the river or any surface water bodies. No effluent shall be discharged outside of the factory premises in any circumstances; hence zero discharge condition shall be maintained at all the time.

13. Industry shall make proper arrangement for safe and scientific handling, storage, transportation and disposal of all solid wastes, sludge etc. generated.

14. Spent wash generation, storage shall be done as per the guidelines of CPCB.

15. Measuring system for spent wash storage shall be installed.

16. The industry shall submit ground water quality analysis report of the nearby areas on quarterly basis in coordination with UPPCB.

17. The industry shall ensure to comply of conditions mentioned in the NOC of U.P. State Ground Water Department dated 07.05.2021 which is valid upto 21.06.2026.

18. Online Monitoring System shall be installed at the boiler and connected to CPCB and UPPCB server.

19. Industry shall operate and maintain the installed APCS (ESP attached with the boiler of capacity 60 TPH) effectively and Stack monitoring report shall be submitted on quarterly basis.

20. The industry shall operate and maintain the Air Pollution Control System efficiently and continuously so as to satisfy the prescribed emission standards.

21. The ash generated from the Slop Boiler shall not be disposed off near any surface water body/pond/river/lake, etc.

22. Proposal for ash utilization shall be submitted to the Board within 02 months and the ash collected from the APCS shall be utilized accordingly.

23. Ash generated from boilers shall be stored in a safe place and proper arrangement of water sprinkling shall be done to suppress the dust particles.
24. The industry shall submit stack monitoring reports conducted by any NABL accredited laboratory within 15 days in the Board and after then on quarterly basis.
25. The unit shall submit the latest copy of Audited Balance Sheet/C.A. Certificate (Fixed Assets+ Current Assets - Current Liabilities) so that the Consent fee payable by the industry may be verified.
26. The Order issued by Hon'ble Courts/Hon'ble NGT, MoEF & CC, Central Pollution Control Board, U.P. Pollution Control Board, shall be complied with.
27. The industry shall ensure to comply with the provisions of the charter issued by CPCB on corporate responsibility for Environmental Protection.
28. The industry shall comply with the Plastic Waste Rules, 2016.
29. The industry shall submit on site disaster management plant.
30. The industry shall provide copy of records of alcohol/rectified spirit production, spent wash generation (namely weak spent, strong spent wash) details of MEE operations, mass flow meter reading connected with CPCB server etc. on monthly basis (by 10th of every month) to CPCB/UPPCB.
31. The industry shall provide adequate arrangement for control of odour nuisance. All internal roads shall be made pucca. Industry shall maintain good housekeeping within factory premises, around effluent treatment facilities etc.
32. The industry will strictly comply with the provisions of Hazardous and other waste (Management & Transboundary Movement) Rules, 2016 will be complied. Generated hazardous waste will be disposed through authorized TSDF and record will be sent to this office in Form-10.
33. Analysis report from recognized laboratory for Solid concentration at inlet and outlet of MEE should be submitted to the Board within one month from the date of issue of this certificate.
34. If closure order is issued by CPCB or UPPCB against any defaulting unit, then CTO issued earlier will remain suspended during the closure period and after ensuring the compliance and after revocation of closure order, the CTO will automatically be effective from the date of issuance of closure order revocation, with additional conditions mentioned in the closure revocation order.

RAM KARAN Digitally signed by RAM KARAN
Date: 2022.12.19 11:51:58
+05'30'

Chief Environmental Officer, Circle-5, UPPCB.

Copy to:

Regional Officer, UPPCB, Lucknow.

RAM KARAN Digitally signed by RAM KARAN
Date: 2022.12.19 11:52:30
+05'30'

Chief Environmental Officer, Circle-5, UPPCB.

Annexure-5

Water Consumption: (KL/Day)

Industrial	:	542
Domestic	:	N.A.

Effluent Generated (KL/Day)

Industrial	:	800 after Evaporation
Domestic	:	N.A.

Effluent Treated (KL/Day)

Industrial	:	Entire quantity is treated
Domestic	:	N.A.

Effluent Reused : Entire Effluent is used in composting

Effluent discharged : N.A (We are operating at Zero discharge)/ZLD



NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District-Lakhimpur kheri (U.P)-261502 India.

Report Code : W-200523-06
ULR No. : TC6814230000008787 F
Test Report of : Water
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : CPU Inlet
Sample Received On : 20/05/2023
Sample Quantity Packing detail : 2 lt/Plastic Cane
Weather Conditions : Normal
Analysis Duration : 20/05/2023 to 26/05/2023

TEST RESULTS

S.No	Parameter	Test Method	Results	Units
1.	pH	IS:3025(Part-11)	7.58	-
2.	Total Dissolved Solid	IS:3025(Part-16):1984	1620.0	PPM
3.	Total Suspended Solid	IS:3025(Part-17):1984	289.0	PPM
4.	Chemical Oxygen Demand (as O ₂)	APHA 5220 B:2005	3210.0	PPM
5.	Biological Oxygen Demand (as O ₂) (3 days at 27 ^o C)	IS:3025(Part-44):1993	640.0	PPM
6.	Oil & grease	IS:3025(Part-19):1984	3.5	PPM

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

Solnit

CHECKED BY



AUTHORIZED SIGNATORY

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road
Khambarkhera, District-
Lakhimpur kheri (U.P)-261502
India.

Report Code : W-200523-07
ULR No. : TC6814230000008788 F
Test Report of : Water
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : CPU Outlet
Sample Received On : 20/05/2023
Sample Quantity/Packing detail : 2 lt/Plastic Cane
Weather Conditions : Normal
Analysis Duration : 20/05/2023 to 26/05/2023

TEST RESULTS

S.No	Parameter	Test Method	Results	Units	Limits
1.	pH	IS:3025(Part-11)	7.28	-	7.0-8.5
2.	Total Dissolved Solid	IS:3025(Part-16):1984	1205.0	PPM	<2000
3.	Total Suspended Solid	IS:3025(Part-17):1984	32.0	PPM	<100
4.	Chemical Oxygen Demand (as O ₂)	APHA 5220 B:2005	110.0	PPM	<250
5.	Biological Oxygen Demand (as O ₂) (3 days at 27°C)	IS:3025(Part-44):1993	23.0	PPM	<30
6.	Oil & grease	IS:3025(Part-19):1984	1.1	PPM	<10

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

foliit

CHECKED BY



AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera Sarda Nagar
Road Khambarkhera, District-
Lakhimpur kheri (U.P)-261502
India.

Report Code : W-200523-015
ULR No. : TC681423000008796 F
Test Report of : Water
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Received On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : Kandwa River (Up Stream & Downstream)
Sample Quantity : 1+1 lit/Plastic Cane
Analysis Duration : 20/05/2023 to 26/05/2023

RESULTS

S.No.	Parameter	Test Method	Results		Units
			Upstream	Downstream	
1.	pH	IS:3025(Part-11)	7.32	7.40	-
2.	Temperature	IS:3025(Part-9)	21.0	23.0	⁰ C
3.	Turbidity	IS:3025(Part-10)	1.8	1.8	NTU
4.	Conductivity @25 ⁰ C	IS:3025(Part-14)	380.0	375.0	μ S/cm
5.	Sulphate (SO4)	IS:3025(Part-24)	14.5	14.2	mg/l
6.	Nitrate (NO3)	IS:3025(Part-34)	27.6	27.0	mg/l
7.	Total Hardness (as CaCO3)	IS:3025(Part-21)	125.0	121.0	mg/l
8.	Chloride (as Cl)	IS:3025(Part-32)	32.0	30.0	mg/l
9.	Fluoride (as F)	APHA 4500F	<0.1	<0.1	mg/l
10.	COD (as O2)	APHA-5220 B	110	108	mg/l
11.	Iron (as Fe)	IS:3025(Part-53)	1.23	1.20	mg/l
12.	Dissolve Oxygen	IS-3025(Part-38)	6.40	6.50	mg/l
13.	Total Dissolved Solid	IS:3025(Part-16)	242	240	mg/l
14.	BOD (3 days at 27 ⁰ C)	IS:3025 (P-44)	21	20	mg/l
15.	Calcium (as Ca)	IS:3025(Part-40)	41.2	42.8	mg/l
16.	Magnesium (as Mg)	IS:3025(Part-46)	5.34	5.36	mg/l
17.	Arsenic (as As)	IS:3025(Part-37)	BDL	BDL	mg/l
18.	Lead (as Pb)	IS:3025(Part-47)	BDL	BDL	mg/l
19.	Copper (as Cu)	IS:3025(Part-42)	BDL	BDL	mg/l

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

Analyzing for an Assured Future

Sl. No.	Parameter	Standard	Result	Limit	Unit
20.	Zinc (Zn)	IS:3025(Part-59)	<0.05	<0.05	mg/l
21.	Manganese (as Mn)	IS:3025(Part-59)	BDL	BDL	mg/l
22.	Total Chromium (as Cr)	IS:3025(Part-59)	BDL	BDL	mg/l
23.	Sodium (as Na)	IS:3025(Part-45)	41.0	40.0	mg/l
24.	Potassium (as K)	IS:3025(Part-45)	1.5	1.2	mg/l
25.	Total Alkalinity (as CaCO ₃)	IS:3025(Part-23)	132.0	130.0	mg/l
26.	Phosphate (as P)	IS:3025(Part-31)	0.216	0.212	mg/l
27.	Nitrite (as NO ₂)	IS:3025(Part-34)	1.54	1.50	mg/l
28.	Total Suspended Solid	IS:3025(Part-17)	12.0	10.8	mg/l
29.	Faecal Coliform	IS-1622	1.2 × 10 ³	1.5 × 10 ³	MPN/100 ml
30.	Total Coliform	IS-1622	1.4 × 10 ³	1.8 × 10 ³	MPN/100ML

BDL- Below detection limit.

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Solu't
CHECKED BY

Ashutosh
AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery
Division), Sarda Nagar Road
Khambarkhera, District-
Lakhimpur kheri (U.P)-261502
India.

Report Code : W-200523-08
ULR No. : TC681423000008789 F
Test Report of : Water
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : RO Feed
Sample Received On : 20/05/2023
Sample Quantity/Packing detail : 2 lt/Plastic Cane
Weather Conditions : Normal
Analysis Duration : 20/05/2023 to 26/05/2023

TEST RESULTS

S. No	Parameter	Test Method	Results	Units
1.	pH	IS:3025(Part-11):1983	6.89	-
4.	Total Dissolved Solid	IS:3025(Part-16):1984	865	mg/l
5.	Total Suspended Solid	IS:3025(Part-17):1984	21.0	mg/l
6.	Chemical Oxygen Demand (as O ₂)	APHA 5220 B:2005	175.0	mg/l
7.	Total Solid	IS:3025(Part-17):1984	-	%
8.	Conductivity	IS-3025(P-14)	-	µS/cm

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

Polist

CHECKED BY

Adhkar
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UP PCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District-Lakhimpur kheri (U.P)-261502 India.

Report Code : W-200523-09
ULR No. : TC6814230000008790 F
Test Report of : Water
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : RO Permeate
Sample Received On : 20/05/2023
Sample Quantity/Packing detail : 2 lt/Plastic Cane
Weather Conditions : Normal
Analysis Duration : 20/05/2023 to 26/05/2023

TEST RESULTS

S. No	Parameter	Test Method	Results	Units
1.	pH	IS:3025(Part-11):1983	4.54	-
4.	Total Dissolved Solid	IS:3025(Part-16):1984	26.0	mg/l
5.	Total Suspended Solid	IS:3025(Part-17):1984	Nil	mg/l
6	Chemical Oxygen Demand (as O ₂)	APHA 5220 B:2005	58.0	mg/l
7.	Total Solid	IS:3025(Part-17):1984	-	%
8.	Conductivity	IS-3025(P-14)	41	μS/cm

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

Jolit

CHECKED BY

Adulcar
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery
Division), Sarda Nagar Road
Khambarkhera, District-
Lakhimpur kheri (U.P)-261502
India.

Report Code : W-200523-010
ULR No. : TC6814230000008791 F
Test Report of : Water
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : RO Reject
Sample Received On : 20/05/2023
Sample Quantity/Packing detail : 2 lt/Plastic Cane
Weather Conditions : Normal
Analysis Duration : 20/05/2023 to 26/05/2023

TEST RESULTS

S. No	Parameter	Test Method	Results	Units
1.	pH	IS:3025(Part-11):1983	6.89	-
4.	Total Dissolved Solid	IS:3025(Part-16):1984	1860	mg/l
5.	Total Suspended Solid	IS:3025(Part-17):1984	232	mg/l
6.	Chemical Oxygen Demand (as O ₂)	APHA 5220 B:2005	1540	mg/l
7.	Total Solid	IS:3025(Part-17):1984	-	%
8.	Conductivity	IS-3025(P-14)	-	µS/cm

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

Johit

CHECKED BY

Aditya
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery
Division), Sarda Nagar Road
Khambarkhera, District-
Lakhimpur kheri (U.P)-261502
India.

Report Code : W-200523-011
ULR No. : TC681423000008792 F
Test Report of : Water
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : MEE Feed
Sample Received On : 20/05/2023
Sample Quantity/Packing detail : 2 lt/Plastic Cane
Weather Conditions : Normal
Analysis Duration : 20/05/2023 to 26/05/2023

TEST RESULTS

S. No	Parameter	Test Method	Results	Units
1.	pH	IS:3025(Part-11):1983	4.65	-
4.	Total Dissolved Solid	IS:3025(Part-16):1984	231280	mg/l
5.	Total Suspended Solid	IS:3025(Part-17):1984	18154	mg/l
6	Chemical Oxygen Demand (as O ₂)	APHA 5220 B:2005	162040	mg/l
7.	Total Solid	IS:3025(Part-17):1984	18	%
8.	Conductivity	IS-3025(P-14)	-	µS/cm

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

fahit

CHECKED BY

Adhikar
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)

MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

Analyzing for an Assured Future

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery Division), Sardar Nagar Road Khambarkhera, District- Lakhimpur kheri (U.P)-261502 India.

Report Code : W-200523-012
ULR No. : TC6814230000008793 F
Test Report of : Water
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : MEE Concentrate
Sample Received On : 20/05/2023
Sample Quantity/Packing detail : 2 lt/Plastic Cane
Weather Conditions : Normal
Analysis Duration : 20/05/2023 to 26/05/2023

TEST RESULTS

S. No	Parameter	Test Method	Results	Units
1.	pH	IS:3025(Part-11):1983	4.26	-
4.	Total Dissolved Solid	IS:3025(Part-16):1984	385018	mg/l
5.	Total Suspended Solid	IS:3025(Part-17):1984	18166	mg/l
6	Chemical Oxygen Demand (as O ₂)	APHA 5220 B:2005	251850	mg/l
7.	Total Solid	IS:3025(Part-17):1984	48	%
8.	Conductivity	IS-3025(P-14)	-	μS/cm

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

folit

CHECKED BY

A. Kumar
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com



Analyzing for an Assured Future

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District- Lakhimpur kheri (U.P)-261502 India.

Report Code : ST-200523-014
ULR No. : TC6814230000008795 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Production Capacity of Plant : 160KLPD RS/ENA/AA
Sample Drawn on : 20/05/2023
Sample Drawn By : NTL Representative
Sample Description : D.G Stack Emission
Sampling Time : 30 minutes
Sampling Plan & Procedure : SOP/SE/09
Analysis Duration : 20/05/2023 to 26/05/2023
Stack Temperature (°C) : 122
Source of Emission : Stack Attached to DG
Capacity : 125 KVA
Type of Fuel used : HSD
Fuel Consumed per Hour : 20-25 Liter
Normal Operation Schedule : As per requirement
Type of Stack : Metal circular
Diameter of Stack (meter) : 0.10
Height of Stack from ground level (meter) : 6.8
Average Velocity of Flue Emission (m/sec) : 8.2
Pollution Control Device (If any) : Nil

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Limits as per EPA acts 1986 (Emission limits Upto 800 KW DG)
1.	Particulate Matter (PM)	IS:11255(Part-1)	0.089	g/kw-hr	0.3
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	8.50	mg /Nm ³	Limit not specified
3.	Nitrogen dioxide (as NO _x)	IS:11255(Part-7)	2.16	g/kw-hr	9.2
4.	Carbon monoxide(as CO)	USEPA Method No.10	0.35	g/kw-hr	3.5
5.	Hydrocarbon(HC)	GC-FID	0.062	g/kw-hr	1.3
6.	Volatile Organic Compound	APHA	<1.0	mg/Nm ³	No limit specified

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission from the Laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless otherwise specified by the customer

CHECKED BY

AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory
+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Report Code : ST-200523-04
ULR No. : TC6814230000008785 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District-Lakhimpur kheri (U.P)-261502 India.

SAMPLING & ANALYSIS DATA

Sample Drawn on : 20/05/2023
Sample Drawn By : NTL Representative
Sampling Time : 30 minutes
Sampling Plan & Procedure : SOP/SE/09
Analysis Duration : 20/05/2023 to 26/05/2023
Flue Gas Temperature (°C) : 148
Source of Emission : Stack -1 (Attached to slope Boiler)
Operating Schedule : As per requirements
Capacity : 60 TPH
Type of Fuel used : Slope +Bagasse
Type of Stack : RCC
Height of Stack from ground level (meter) : 90
Average Velocity of Flue Emission (m/s) : 10.2
Attached APCS : ESP

Boiler Emission

S.N.	Parameter	Test Method	Results	Units	Emission limits For Boiler
1.	Particulate Matter (PM)	IS:11255(Part-1)	36.50	mg/Nm ³	150
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	14.12	mg/Nm ³	No Limit Specification
3.	Nitrogen dioxide (as NO ₂)	IS:11255(Part-7)	16.80	mg/Nm ³	No Limit Specification
4.	Carbon dioxide (as CO)	IS:13270	0.34	%	1% Volume

Notes:

- 1 The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
- 2 Responsibility of the Laboratory is limited to the invoiced amount only.
- 3 This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- 4 The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

foli t
CHECKED BY

Adulkar
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE
E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com



Analyzing for an Assured Future

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit - Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District-Lakhimpur kheri (U.P)-261502 India.

Report Code : ST-200523-014
ULR No. : TC6814230000008795 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Production Capacity of Plant	:	160KLPD RS/ENA/AA
Sample Drawn on	:	20/05/2023
Sample Drawn By	:	NTL Representative
Sample Description	:	D.G Stack Emission
Sampling Time	:	30 minutes
Sampling Plan & Procedure	:	SOP/SE/09
Analysis Duration	:	20/05/2023 to 26/05/2023
Stack Temperature (°C)	:	122
Source of Emission	:	Stack Attached to DG
Capacity	:	125 KVA
Type of Fuel used	:	HSD
Fuel Consumed per Hour	:	20-25 Liter
Normal Operation Schedule	:	As per requirement
Type of Stack	:	Metal circular
Diameter of Stack (meter)	:	0.10
Height of Stack from ground level (meter)	:	6.8
Average Velocity of Flue Emission (m/sec)	:	8.2
Pollution Control Device (If any)	:	Nil

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Limits as per EPA acts 1986 (Emission limits Upto 800 KW DG)
1.	Particulate Matter (PM)	IS:11255(Part-1)	0.089	g/kw-hr	0.3
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	8.50	mg /Nm ³	Limit not specified
3.	Nitrogen dioxide (as NO _x)	IS:11255(Part-7)	2.16	g/kw-hr	9.2
4.	Carbon monoxide(as CO)	USEPA Method No.10	0.35	g/kw-hr	3.5
5.	Hydrocarbon(HC)	GC-FID	0.062	g/kw-hr	1.3
6.	Volatile Organic Compound	APHA	<1.0	mg/Nm ³	No limit specified

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission from the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless and as specified by the customer.

CHECKED BY

Solvi

AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E : noida.laboratory@gmail.com, info@noidalabs.com W : www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

Analysing for an Assured Future

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District-Lakhimpur kheri (U.P)-261502 India.

Report Code : AAQ-200523-01
ULR No. : TC6814230000008782 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : At the Roof of Sugar Admin Office (Station No. – 1)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 20/05/2023 to 26/05/2023
Average Flow Rate of SPM ($m^3/min.$) : 1.12
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM_{10}), Fine Particulate ($PM_{2.5}$) Sampler
Weather Condition : Clear
Wind Direction : East to West
Sampling Machine Placed at Height (From ground) : 2.5 Mtr

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM_{10})	IS:5182 Part-XXIII	84.10	$\mu g/m^3$	100.0
2.	Particulate Matter ($PM_{2.5}$)	IS:5182 Part-XXIV	46.02	$\mu g/m^3$	60.0
3.	Sulphur dioxide (as SO_2)	IS:5182 Part-II	9.56	$\mu g/m^3$	80.0
4.	Nitrogen dioxide (as NO_2)	IS:5182 Part-VI	20.18	$\mu g/m^3$	80

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Solnit

CHECKED BY

AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory
+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District-Lakhimpur kheri (U.P)-261502 India.

Report Code : AAQ-200523-02
ULR No. : TC681423000008783 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : At the roof of Guest House (Station No. – 2)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 20/05/2023 to 26/05/2023
Average Flow Rate of SPM ($m^3/min.$) : 1.12
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM_{10}), Fine Particulate ($PM_{2.5}$) Sampler
Weather Condition : Clear
Wind Direction : East to West
Sampling Machine Placed at Height (From ground) : 3.0 Mtr

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM_{10})	IS:5182 Part-XXIII	81.16	$\mu g/m^3$	100.0
2.	Particulate Matter ($PM_{2.5}$)	IS:5182 Part-XXIV	42.20	$\mu g/m^3$	60.0
3.	Sulphur dioxide (as SO_2)	IS:5182 Part-II	9.38	$\mu g/m^3$	80.0
4.	Nitrogen dioxide (as NO_2)	IS:5182 Part-VI	18.50	$\mu g/m^3$	80

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Solit

CHECKED BY

AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory
+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery
Division), Sarda Nagar Road
Khambarkhera, District-
Lakhimpur kheri (U.P)-261502
India.

Report Code : AAQ-200523-03
ULR No. : TC681423000008784 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : At Home roof of Sugar ETP (Station No. – 3)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 20/05/2023 to 26/05/2023
Average Flow Rate of SPM (m^3 min.) : 1.12
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM_{10}), Fine Particulate ($PM_{2.5}$) Sampler
Weather Condition : Clear
Wind Direction : East to West
Sampling Machine Placed at Height (From ground) : 2.5 Mtr

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM_{10})	IS:5182 Part-XXIII	78.16	$\mu g / m^3$	100.0
2.	Particulate Matter ($PM_{2.5}$)	IS:5182 Part-XXIV	40.25	$\mu g / m^3$	60.0
3.	Sulphur dioxide (as SO_2)	IS:5182 Part-II	8.60	$\mu g / m^3$	80.0
4.	Nitrogen dioxide (as NO_2)	IS:5182 Part-VI	19.20	$\mu g / m^3$	80

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Solist

CHECKED BY

Aditya
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory
+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

Analyzing for an Assured Future

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.	Report Code : AAQ-200523-01
Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District-Lakhimpur kheri (U.P)-261502 India.	ULR No. : TC6814230000008782 F
	Test Report of : Ambient Air Quality
	Service Request No : NTL/SRF/05/23-015
	Service Request Date : 19/05/2023
	Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On	: 20/05/2023
Sample Drawn By	: NTL Representative
Sample description	: Ambient Air
Sampling Location	: At the Roof of Sugar Admin Office (Station No. – 1)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 20/05/2023 to 26/05/2023
Average Flow Rate of SPM (m ³ /min.)	: 1.12
Average Flow Rate of Gases (lpm)	: 1.0
Sampling Instrument Used	: Respirable Dust Sampler (PM ₁₀), Fine Particulate (PM _{2.5}) Sampler
Weather Condition	: Clear
Wind Direction	: East to West
Sampling Machine Placed at Height (From ground)	: 2.5 Mtr

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	84.10	µg/m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	46.02	µg/m ³	60.0
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	9.56	µg/m ³	80.0
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	20.18	µg/m ³	80

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Solit

CHECKED BY

Adhikar
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery
Division), Sarda Nagar Road
Khambarkhera, District-
Lakhimpur kheri (U.P)-261502
India.

Report Code : AAQ-200523-02
ULR No. : TC6814230000008783 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : At the roof of Guest House (Station No. - 2)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 20/05/2023 to 26/05/2023
Average Flow Rate of SPM ($m^3/min.$) : 1.12
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM_{10}), Fine Particulate ($PM_{2.5}$) Sampler
Weather Condition : Clear
Wind Direction : East to West
Sampling Machine Placed at Height (From ground) : 3.0 Mtr

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM_{10})	IS:5182 Part-XXIII	81.16	$\mu g/m^3$	100.0
2.	Particulate Matter ($PM_{2.5}$)	IS:5182 Part-XXIV	42.20	$\mu g/m^3$	60.0
3.	Sulphur dioxide (as SO_2)	IS:5182 Part-II	9.38	$\mu g/m^3$	80.0
4.	Nitrogen dioxide (as NO_2)	IS:5182 Part-VI	18.50	$\mu g/m^3$	80

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report unless specified by the customer.

CHECKED BY

AUTHORIZED SIGNATORY



Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory

+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Report Code : AAQ-200523-03
ULR No. : TC681423000008784 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

Address: Unit – Khambarkhera (Distillery
Division), Sarda Nagar Road
Khambarkhera, District-
Lakhimpur kheri (U.P)-261502
India.

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : At Home roof of Sugar ETP (Station No. – 3)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 20/05/2023 to 26/05/2023
Average Flow Rate of SPM (m³/min.) : 1.12
Average Flow Rate of Gases (lpm) : 1.0
Sampling Instrument Used : Respirable Dust Sampler (PM₁₀), Fine Particulate (PM_{2.5}) Sampler
Weather Condition : Clear
Wind Direction : East to West
Sampling Machine Placed at Height (From ground) : 2.5 Mtr

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	78.16	µg/m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	40.25	µg/m ³	60.0
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	8.60	µg/m ³	80.0
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	19.20	µg/m ³	80

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters.
- Responsibility of the Laboratory is limited to the invoiced amount only.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

Sohit

CHECKED BY

Adhikar
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

NOIDA TESTING LABORATORIES

(A Government of India Approved Testing Laboratory)

(An ISO : 9001 : 2015, ISO 45001 : 2018 (OH&S) Certified & NABL Accredited Laboratory)
MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB Recognized Laboratory
+91-9313611642, 8510081921, 7503031145, 8527870572, 7503031146, 9999794369

TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Khambarkhera (Distillery Division), Sarda Nagar Road Khambarkhera, District-Lakhimpur kheri (U.P)-261502 India.

Report Code : AN-200523-05
ULR No. : TC6814230000008786 F
Test Report of : Ambient Noise
Service Request No : NTL/SRF/05/23-015
Service Request Date : 19/05/2023
Report Issue Date : 26/05/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 20/05/2023
Sample Drawn By : NTL Representative
Sample Received On : 20/05/2023
Sample description : Ambient Noise
Sampling Location : Near- Boiler, Admin Office, Workshop
Sampling Time : 24 hrs

TEST RESULT

S. No	Test Parameters	Results			Units	Requirement (as per CPCB Guidelines) Limits in dB (A) Leq		
		Near-Boiler	Admin Office	Works hop		Category of Area/Zone	Day Time	Night Time
1.	EQUIVALENT NOISE LEVEL (6.0 AM TO 10.0 PM)	66.5	58.8	64.1	dB(A)	Industrial Area	74	71
						Commercial Area	64	56
2.	EQUIVALENT NOISE LEVEL (10.0 PM TO 6.0 AM)	51.4	46.2	50.5	dB(A)	Residential Area	58	48
						Silence Zone	51	42

Notes:

1. The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only
2. Responsibility of the Laboratory is limited to the invoiced amount only.
3. This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory
4. The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer

folit

CHECKED BY

Adhikar
AUTHORIZED SIGNATORY

Laboratory : GT-20, Sector-117, NOIDA, Gautam Budh Nagar - 201301

Branch Office :

HARIDWAR | RUDRAPUR | CHANDIGARH | DEHRADUN | PUNE

E.: noida.laboratory@gmail.com, info@noidalabs.com W.: www.noidalabs.com

Annexure-11**Details of Environmental Lab Equipment**

	Flame Photometer	01 No.
1	pH meter	01 No.
2	Thermo-Hygrometer	01 No.
3	Orsat Analyzer	02 No.
4	Conductivity Meter	01 No.
5	Thermometer (-10 to 110 Deg. C) make Zeal	06 No.
6	pH electrode	02 No.
7	Stack Monitoring Kit	01 No.
8	BOD Incubator	01 No.
9	Muffle Furnace	01 No.
10	Desiccator	02 No.
11	Magnetic stirrer with hot plate	01 No.
12	Dhona balance	01 No.
13	Digital pen type pH meter	02 No.
14	Digital pen type pH meter	01 No.
15	Oven	01 No.
16	Centrifuge Machine, Make- Remi	01 No.
17	Glass Distillation Apparatus	01 No.
18	Kjeldahl Apparatus	01 No.
19	Spectrophotometer	01 No.
20	C.O.D set with Condenser	01 Set.

Details of Environmental Management Cell

<u>Sl. No.</u>	<u>Name</u>	<u>Designation</u>	<u>Duties Performed</u>
1	Dr. A.V. Singh	Chief Sensibility officer (Distillery & EHS)	Overall In charge of Group Distillery & Environment.
2	Mr. Avdhesh Kumar Gupta	Unit Head/VP	Overall control of BHSL Khambarkhera
3	Mr. Atul Kumar Singh	GM/U.H (Distillery)	Overall In charge of Distillery & Environment
4	Mr. Rajesh Kumar Dubey	AGM-HR & Admin.	Overall control of HR & Admin.
5	Mr. Gaurav Chaudhary	Astt.Manager (EHS)	OverallIn charge of Environment, Occupational Health & Safety
6	Mr. Ravi Agarwal	Dy. Mgr (E.T.P.)	In charge of ETP & Bio-compost
7	Mr.Ritesh Kumar	Asstt. Officer. (Horticulture)	In charge of Horticulture & Green Belt development
8	Dr. D R Tripathi	Medical Officer (OHC)	Responsible for Occupational Health
9	Mr. Dinesh Gupta	Chemists (ETP)	Responsible for Environmental Lab

COST DETAILS OF ENVIRONMENT MANAGEMENT

Bajaj Hindusthan Sugar Ltd.

Unit: Khamberkhera, Lakhimpur (Kheri)

Capacity: 160 KL/Day Rectified Spirit/ENA/Absolute Alcohol

(From April 2022 to March 2023)

We have invested fund for the following works:

Sl. No.	Particulars	Expenditure
1	Green Belt	1.18 Lac
2	Condensate Policing Unit	5.30 Lac
3	Third Party Monitoring Expenditure	1.45 Lac
4	ETP Lab Chemical & Glassware	1.00 Lac

**Plantation Status of Distillery, Bio-compost, Biogas, Slop Boiler & Vicinity
Khambarkhera, Lakhimpur-Kheri**

Location	Plant Species	Area (Acre)	Survival plant Upto March 2019	Plantation April. 2019 to June 2021	Total
Bio-compost-1	Karanj	4.75	3695	1176	4871
	Arjun		3558	76	3634
	Jamun		3198	1068	4266
Bio-compost-2	Shisham	4.69	1452	4252	5704
	Semal		355	138	493
	Kachnar		371	33	404
Plant Area (Distillery)	Ficus	5.48	196	824	1020
	Golden Bottle Brush		242	30	272
	Fish Tail Palm		136	17	153
	Hibiscus		362	46	408
	Eucca		191	24	215
	Thuja		126	17	143
	Plumaria		131	17	148
	Bougainvillea		262	33	295
	Euphorbia		396	51	447
	Ashok		262	858	1120
	Eucalyptus		852	83	935

Biogas Plant	Silveroak	4.95	807	110	917
	Ficus		548	57	605
	Plumaria		663	85	748
	Bottle Brush		263	65	328
	Ficus Nuda		291	185	476
	Grand Total	19.87	18357	9245	27602



Government of India
Central Ground Water Authority
Ministry of Water Resources

No. 21-4(41)NR/CGWA/07 - 61

Dated:- 22 MAR 2007

To

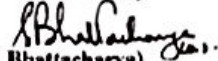
The Manager
M/s Bajaj Hindusthan limited
Bajaj Bhawan, Jamnalal Bajaj Marg
B-10 Sector 3 Noida 201301

Sub:- Ground Water Clearance In respect of Distillery unit at Khamberkhera U.P of M/s Bajaj Hindusthan Limited -reg.

Sir,

Kindly refer to your letter no. CGWB/Khamberkhera /05 dated 25-09-2006 on the subject cited above. As the proposed industry does not fall in Over Exploited/Critical area on Ground Water Resource consideration, permission is not required to be obtained from CGWA for withdrawal of ground water.

Yours faithfully


(S. Bhattacharya)
Scientist D
for Member Secretary

Copy to:-

The Regional Director, Central Ground Water Board, Northern Region, Lucknow

/
(S. Bhattacharya)
Scientist D
for Member Secretary

अगर अजाकला

कारोबार

बरेली, 12 दिसंबर, 2006

सूचना

सर्वसाधारण को सूचित किया जाता है कि पर्यावरण एवं वन मंत्रालय द्वारा मेसर्स बजाज हिन्दुस्थान लि. को खाम्बरखेड़ा, लखीमपुर खीरी में 160 के.एल. प्रतिदिन की क्षमता की आसवनी इकाई की स्थापना करने के लिए दिनांक 07.12.2006 को अनापत्ति प्रमाण पत्र प्रदान कर दी गई है।

उपरोक्त अनापत्ति प्रमाण पत्र राज्य प्रदूषण नियंत्रण बोर्ड तथा पर्यावरण एवं वन मंत्रालय के वेबसाइट <http://envfor.nic.in> पर देखी जा सकती है।

अध्यक्ष
संयंत्र आसवनी
बजाज हिन्दुस्थान लि.

सूचना

सर्वसाधारण को सूचित किया जाता है कि पर्यावरण एवं वन मंत्रालय द्वारा मेसर्स बजाज हिन्दुस्थान लि. को खाम्बरखेड़ा, लखीमपुर खीरी में 160 के.एल. प्रतिदिन की क्षमता की आसवनी इकाई की स्थापना करने के लिए दिनांक 07.12.2006 को अनापत्ति प्रमाण पत्र प्रदान कर दी गई है।

उपरोक्त अनापत्ति प्रमाण पत्र राज्य प्रदूषण नियंत्रण बोर्ड तथा पर्यावरण एवं वन मंत्रालय के वेबसाइट <http://envfor.nic.in> पर देखी जा सकती है।

अध्यक्ष
संयंत्र आसवनी
बजाज हिन्दुस्थान लि.

दैनिक जागरण, बरेली 12.12.2006

सूचना

सर्वसाधारण को सूचित किया जाता है कि पर्यावरण एवं वन मंत्रालय द्वारा मेसर्स बजाज हिन्दुस्थान लि. को खाम्बरखेड़ा, लखीमपुर खीरी में 160 के.एल. प्रतिदिन की क्षमता की आसवनी इकाई की स्थापना करने के लिए दिनांक 07.12.2006 को अनापत्ति प्रमाण पत्र प्रदान कर दी गई है।

उपरोक्त अनापत्ति प्रमाण पत्र राज्य प्रदूषण नियंत्रण बोर्ड तथा पर्यावरण एवं वन मंत्रालय के वेबसाइट <http://envfor.nic.in> पर देखी जा सकती है।

अध्यक्ष
संयंत्र आसवनी
बजाज हिन्दुस्थान लि.

FITNESS CERTIFICATE

To whom so ever it may concern

It is certified that I examined 88 employees of Khambharkhera, Distillery Division as per list enclosed and found them mentally and physically fit without any contagious disease.

For Bajaj Hindusthan Sugar Ltd.,



Unit-Khambharkhera