



Ref.: BHSL/RDL/EHS/2023/
To,

Date: 28.11.2023

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

Sub: - Environmental Clearance Compliance for 10000 TCD Sugar and 21 MW Power Plant at Village-Athdama, Rudhauli, Distt.-Basti by M/s Bajaj Hindusthan Sugar Ltd.

Ref: EC Letter No.J-11011/486/2006-IA II (I) dated 31.07.2007.

Project Code:- UP-107-282-2008.

Dear Sir,

Kindly refer to your Environment Clearance Letter vide No.J-11011/486/2006-IA II (I) dated 31.7.2007 regarding above subject, the six monthly compliance report of Environmental Clearance for the period from April 2023 to September 2023 is enclosed as annexure-2 along with soft copy in CD. Our compliance submission is as below;

S.N	Details Of Points	Present Status
1	Data sheet Part-1(updated)	Enclosed herewith as annexure-1
2	Environmental Compliance	Enclosed herewith as annexure-2
3	Stack emission report	Enclosed herewith as annexure-3
4	NOC/Registration Certificate From UPGWD	Enclosed herewith as annexure-4
5	Copy of Water consent	Enclosed herewith as annexure-5
6	Copy of Air consent	Enclosed herewith as annexure-6
7	Details of Water used /day Effluent generation etc.	Enclosed herewith as annexure-7
8	Waste Water Analysis report	Enclosed herewith as annexure-8
9	Details of Green Belt	Enclosed herewith as annexure-9
10	Ambient Air Quality Report	Enclosed herewith as annexure-10
11	Ground water Quality report	Enclosed herewith as annexure-11
12	Noise level report (Night & day Time)	Enclosed herewith as annexure-12
13	Details of expenditure in environment management	Enclosed herewith as annexure-13

- | | | |
|----|--|------------------------------------|
| 14 | Details of Environment Management Cell | Enclosed herewith as anneaxure- 14 |
| 15 | Details of Lab Equipment's | Enclosed herewith as anneaxure- 15 |
| 16 | Medical Certificate of Employee | Enclosed herewith as anneaxure- 16 |
| 17 | EC Information publication in News paper | Enclosed herewith as anneaxure- 17 |

We hope that above points are in order and for the further clarification, we will submitt the same immideate.

Thanking you

Your's Faithfully
For- **Bajaj Hindusthan Sugar Ltd.**


Authorized Signatory
BHSL, Rudhauri (Sugar), Basti

Encl: As above

DATA SHEET

1	Project Type	Sugar & Co-gen
2	Name of the project	Bajaj Hindusthan Sugar Ltd. Vill- Athdama, Teh-Rudhauri, Distt. Basti (U.P.)
3	Clearance letter /OM No & Date:	J-11011/486/2006-IA II (I) dated 31.7.2007.
4	Location:	
A	District (S)	Basti
B	State	U.P.
C	Latitude / longitudes	27.055701 / 82.786933
5	Address For the correspondence	
A	Address of concerned project chief (with pin code & telephone /Telex/fax numbers).	Bajaj Hindusthan Sugar Ltd. Vill- Athdama, Post- Rudhauri,Distt. Basti (U.P.) India Ph- 05542-275666 Fax-05542-275667.
B	Address of Executive project engineer (with pin code & telephone /Telex/fax numbers).	Bajaj Hindusthan Sugar Ltd. Vill- Athdama, Post- Rudhauri, Distt.- Basti (U.P.), India Ph-05542-275666 Fax-05542-275667
6	Salient Features	
A	Of the Project	Manufacturing of the crystal sugar and power
B	Of the Environmental Management plans	Effluent Treatment Plant put is diffused aeration based activated sludge process with primary treatment system followed by Aeration tank and Secondary Clarifier for effective treatment to achieve the prescribed norm of BOD with Zero discharge through well updated irrigation plan. Installed Wet scrubber attached with 65 meter height Chimney.
7	Break up the project area	
A	Submergence area (forest & Non forest)	115 acres (Non forest area)
B	Others	NA
8	Break up the project affected population with enumeration of those losing houses /dwelling unit only unit and agricultural land less laborers / artisans.	NA
A	SC/ST	
B	Others	
C	Numbers of villages Affected	
D	Name & other particulars of identified area for settlement.	
E	Compensation package	
F	Budget	
G	Status	

	(Please indicate whether these figures are passed on any scientific survey carried out on only provisional figure. If a survey is carried out give details and year of survey.	NA		
9	Financial details			
A	Project Cost as originally planned subsequent revised estimates and year of price reference	268Crores		
B	Allocations made for environment managements plans, with item wise and year-wise break up.	F. Year	Spent on Project	Spent on Misc. job
		2019-20	0.25 Cr for STP	0.26 cr.
		2020-21	0.60 cr. for Installation of SRS Plant	0.25 cr.
		2021-22	NA	0.25 cr.
		2022-23	NA	0.25 Cr.
		2023-24	NA	0.295 Cr.
C	Benefit cost ratio/ internal rate of return and the year of assessment.			
D	Whether (a) include the cost of environmental Management as shown in (b) above			
E	Actual expenditure incurred on the project so far.	240 Corers		
F	Actual Expenditure incurred on the Environmental Management plans so far.	4.651 Corers		
10	Forest land requirement			
A	The status of approval for a diversion of forest land for forest use	NA		
B	The status of Compensatory afforestation, if any	NA		
C	The status of the clear filling	NA		
D	Comments of the viability & sustainability of compensatory a forestation program in the light of actual field experience so far.	NA		
11	The status of clear felling in non-forest area.	NA		
12	Status of Construction	Completed		
A	Date of Commencement (actual and /or planed)	September - 2006		
B	Dated of completion (actual and /or planned)	05-12-2007		
13	Reasons for the delay if project is yet to start	NA		
14	Environment clearance condition wise compliance report.	Enclosed as annexure 2		



Authorized Signatory
 With Seal
 Ruchauli-Basthi

Annexure -2

Compliance of Environmental clearance No J-11011/486/2006-IA II (I) dated 31.7.2007 to our 10,000 TCD Sugar Unit and 21 MW Co-generation plant at Bajaj Hindusthan Sugar Ltd., Village- Athdama, Teh.- Rudhauri, District- Basti.

In this regard our point wise submission is as under.

Sl. No.	Specific conditions	
	Conditions	Compliance status
1.	For the control of air emissions from Co-gen Power Plant, a stack of about 65 m for the boiler and 8 m and 6 m above the ground for DG Sets would be provided which will be fitted with high efficiency wet scrubber. SPM emission from the stack shall be less than 100 mg/nm ³ . The exhaust steam from the boiler will be used for the process.	In Compliance , The High Efficiency Wet Scrubber with 65 meters height stack is installed to achieve particulate matter emission within the prescribed standard. DG set is also attached with 8 meters & 6-meter stack height from ground level. The boiler was not in operation due to off season whereas The SPM emissions from DG Stack between the periods April 2023 to September 2023 with in norm. The report of Noida Testing Laboratory, Noida, with report no. ST- 060923-18 ST- 060923- 19, ST-060923-20, ST-060923-21, ST- 060923-22 & ST-060923- 23 is attached as annexure 03 for reference.
2.	For minimizing the escape of SO ₂ from the Sulphitation process, cane juice will be used as scrubber media which will be reused in the process.	In Compliance , The Cane juice is used as scrubber media which is reused in the process to minimize the escape of SO ₂ .
3.	Water requirement shall not exceed 10,000 TCD and shall be met from the ground water through tube well. Waste water generation shall not be more than 100 L/Ton of Cane crushed. Permission shall be obtained from the Competent Authority for drawl of ground water.	In Compliance , The Water requirement of 10000 TCD is meeting from the ground water through tube well. The Certificate of Registration of User for Abstraction of Ground Water and Authorization / No – Objection Certificate (NOC) for sinking of new well for Industrial/ Commercial/Infrastructural or Bulk User of Ground Water from Uttar Pradesh Ground Water Department for drawl of ground water has been taken. The Registration No. is 202104000110 & 202104000052 and NOC No. NOC016101&NOC047177 is enclosed as annexure 04 for reference. The UPPCB, Lucknow, also grant water consent order no. is 13851288/ Water dated 17.01.2022 and Air consent Ref. 140021/UPPCB/Basti(UPPC-BRO)/CTO/air/BASTI/2021 Dated : 14/02/2022 with validity up to 31 December 2023. The copy are attached as annexure 05 & 06

4.	<p>The process and domestic effluent shall not exceed 1,000m³/d and 70.0 m³/d respectively. After primary treatment through Diffusion Based Activated Sludge Process, the waste water will be subjected to Secondary Clarifier and sludge drying bed based on activated sludge process. The BOD of the treated effluent shall be less than 30 mg/l. About 75 % of the treated effluent will be recycled in the process and 25 % will be utilized in irrigation. No effluent shall be discharged outside the factory premises and zero discharge shall be strictly followed.</p>	<p>In Compliance, The Process and domestic effluent never exceed 1000 M³/day and 70 M³/day respectively during the April 2023 to September 2023 period.</p> <p>(The detail of water consumption and effluent generation is attached as annexure 07)</p> <p>For the effective treatment of process/domestic effluent, we have Installed Effluent Treatment Plant which is based on diffused aeration Activated sludge process with primary treatment system followed by Aeration tank and Secondary Clarifier with sludge drying bed, Sand & Carbon filter for effective treatment to achieve the prescribed norm of BOD. The ETP and the STP Treated effluent analysis report for the period of April 2023 to September 2023 from Noida Testing Laboratory, Noida, with report no. WW 060923-17 & WW 060923-24 is attached as annexure 08)</p>																																				
5.	<p>Molasses shall be stored in MS tanks or in Pucca Lagoons. The 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 15 days capacity.</p>	<p>In Compliance, The Molasses is stored in MS tank only.</p>																																				
6.	<p>The Solid waste generated from the process will be mainly bagasse, filter cake (press mud) and boiler ash. Bagasse shall be reused as fuel in the boiler and excess bagasse, if any, shall be sent to other sugar plants for power generation. Molasses will be sent to the Distillery unit. 300 MTPD of Filter cake shall be sent for bio-composting in the Distillery. 30 TPD of Boiler Ash shall be sold to brick manufacturers. Sludge from the scrubber shall be dried and disposed of in the low lying areas. ETP sludge shall be used as fertilizer by the farmers. Used batteries and Waste Lubricating Oil shall be sold to authorized recyclers.</p>	<p>We are strictly complying with the condition mentioned for Solid Waste Management. The Molasses is being sent to Distillery unit. The Filter cake sell to other party and Boiler Ash is being use for filling of low land areas within campus. Sludge from the scrubber shall be dried and disposed of in the low lying areas. ETP sludge also used for making organic manure/fertilizer and given to farmers Free of cost. Used batteries return to the party as per buy back policy and Waste Lubricating Oil gives to authorized recyclers or burn in boiler through mixing with bagasses. The details of generate solid waste during the April 2023 to September 2023 given below.</p> <table border="1" data-bbox="922 1745 1458 1988"> <thead> <tr> <th>S . N</th> <th>Generates SWM Name</th> <th>Opening stock mt</th> <th>Gene Qty. mt</th> <th>Used Qty. in Self Unitmt</th> <th>Sell Qty. mt</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Bagasses</td> <td>18583.94</td> <td>0.0</td> <td>00</td> <td>13187.1</td> </tr> <tr> <td>2</td> <td>Filter cake</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> <tr> <td>3</td> <td>Boiler Ash</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> <tr> <td>4</td> <td>ETP Sludge</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> <tr> <td>5</td> <td>Waste Oil</td> <td>00</td> <td>00</td> <td>00</td> <td>00</td> </tr> </tbody> </table>	S . N	Generates SWM Name	Opening stock mt	Gene Qty. mt	Used Qty. in Self Unitmt	Sell Qty. mt	1	Bagasses	18583.94	0.0	00	13187.1	2	Filter cake	00	00	00	00	3	Boiler Ash	00	00	00	00	4	ETP Sludge	00	00	00	00	5	Waste Oil	00	00	00	00
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7.	20.14 acres shall be developed as green belt all around the plant. The green belt will be as per the CPCB guidelines in consultation with the local DFO.	Provision of green belt development in 20.14 acres area has already been taken and plantation is being done as per CPCB guidelines and DFO advice. (The plantation details is attached as annexure 09)
8.	CREP Guidelines for the Sugar Industries shall be followed by the unit. The capacity of Lagoon shall be as per the CPCB Guidelines.	In Compliance, The CREP Guideline for Sugar Industries is compiled strictly.
9.	Commitments made during the Public Hearing shall be complied with.	Commitments of Public Hearing are compiled strictly.
10.	The project authorities shall provide funds of Rs. 12.19 Crores as capital cost for the environment protection measures and 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.	In Compliance, The Dedicated fund of Rs. 12.19 crores is utilized gainfully for implementation of conditions stipulated by statutory authorities.

S.N	General Conditions																																		
	Conditions	Compliance status																																	
1.	The project authorities must strictly adhere to the stipulations made by the concerned State Pollution Control Board and the State Government.	Being adhered as per the stipulation made by UPPCB and State Government.																																	
2.	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 job is taken up without prior approval of MOEF.																																	
3.	Six monthly monitoring of ambient air for criteria pollutant shall be carried out in and around the Plant	<p>In Compliance, the Six monthly monitoring of ambient air for criteria pollutants is carried out in and around the plant.</p> <p>Statistical data of ambient air analysis for the period April 2023 to September 2023 is as under. All results are well within norms of SPCB.</p> <table border="1"> <thead> <tr> <th colspan="5">Ambient Air Analysis Report (Apr 23-Sep 23)</th> </tr> <tr> <th rowspan="2">Parameter</th> <th rowspan="2">Limit</th> <th colspan="3">Result in micro grm/m3</th> </tr> <tr> <th>Site 01</th> <th>Site 02</th> <th>Site 03</th> </tr> </thead> <tbody> <tr> <td>PM 10</td> <td>100</td> <td>80.34</td> <td>78.21</td> <td>76.89</td> </tr> <tr> <td>PM 2.5</td> <td>60</td> <td>41.12</td> <td>40.06</td> <td>38.12</td> </tr> <tr> <td>SO2</td> <td>80</td> <td>8.96</td> <td>8.35</td> <td>7.50</td> </tr> <tr> <td>NO2</td> <td>80</td> <td>19.50</td> <td>17.80</td> <td>17.08</td> </tr> </tbody> </table> <p>The recent three location ambient air analysis report of Noida Testing Laboratory, with report no. AAQ 060923-12, AAQ 060923-13 & AAQ 060923-14 are attached as annexure 10</p>	Ambient Air Analysis Report (Apr 23-Sep 23)					Parameter	Limit	Result in micro grm/m3			Site 01	Site 02	Site 03	PM 10	100	80.34	78.21	76.89	PM 2.5	60	41.12	40.06	38.12	SO2	80	8.96	8.35	7.50	NO2	80	19.50	17.80	17.08
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4.	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 emissions are well within norms stipulated under EPA rules or UPPCB. In case of failure of pollution control equipment, unit will be shut down to till the control measures are rectified.
5.	Adequate numbers of ground water quality monitoring stations shall be set up in and around the plant. These monitoring stations shall be provided with piezometers. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and this Ministry.	We have installed Digital ground water level recorder along with Telemetry, and send the level data online to UPGWD. The ground water quality monitoring stations has already been Implemented. The sampling and trend analysis monitoring report is submitted regularly. (The ground water test report from April 2023 to September 2023 of Noida Testing Laboratory, Noida, with report no. W-060623-15 and W-060923-28 are attached as annexure 11 .)
6.	Ambient Air Quality Monitoring Stations shall be set up in consultation with the State Pollution Control Board in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ , NO _x and RPM are anticipated. RPM will also be monitored regularly.	Air quality monitoring stations is set up in consideration of maximum ground level concentration of SPM, SO ₂ & NO _x in consultation with UPPCB.
7.	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 should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Noise control measures have been already planned and enclosures are put to keep the ambient noise level below standards prescribed under EPA Rules, 1989. The average Ambient noise level 62.6 dB(A) in daytime and 50.1 dB(A) in night time. (The recent sound level monitoring report of Noida Testing Laboratory, Noida, with report no. AN 060923-15 are attached as annexure 12)
8.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA /EMP report.	All the environmental protection measures and safeguards have effectively implemented. The Details of Expenditure on Environment Management is attached as annexure 13
9.	A separate environmental management cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	In compliance, the Environmental Management Cell is already in place and well-developed environmental laboratory has been already setup monitoring of environment regularly. The available lab equipment is given below. (The details of Environmental management cell and lab Instrument are

		attached as annexure 14 and annexure 15.)																																																									
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10.	Company shall adopt rainwater-harvesting measures to recharge the ground water.	We have installed rainwater harvesting system at various location in our industry along with adopting 6.5 hectare pond as from gram punchayat as per guideline of CGWA for recharging of ground water.																																																									
11.	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.	In Compliance The Surveillance programme is already in our system regularly and medical records of each employee are also maintained at our Occupational center. (The health certificate of all employee for the April 2023 to September 2023 by our occupational health center Doctor, is attached as annexure 16)																																																									
12.	The implementation of the project vis-a-vis environmental action plans shall be monitored by the concerned Regional Office of the Ministry /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 and shall be posted on the Website of the Proponent.	In Compliance , the Six monthly compliance status reports along with data is submitted to UPPCB/CPCB/MOEF and is also being made available on the Website.																																																									

13.	<p>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.</p>	<p>In Compliance. Information had been published in two newspapers, DainikJagran & Rashtriya Sahara after issuing NOC on dated 31.07.2007 and also informed to MOEF, Regional office – Lucknow. The copy are attached as annexure 17</p>
14.	<p>The Project Authorities shall inform the Ministry and its concerned Regional Office about date of financial closure and final approval of the project by the concerned authorities and the date of start of land development work.</p>	<p>Informed well in time as directed please</p>



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 – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : ST-060923-018
ULR No. : TC6814230000017101 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production of Industry with installed capacity : 10000 TCD
Sample Drawn on : -----
Sample Drawn By : NTL Representative
Sample Description : Boiler Stack Emission
Sampling Time : -----
Sampling Plan & Procedure : SOP/SE/09
Analysis Duration : -----
Stack Temperature (°C) : 132
Source of Emission : Stack Attached to Boiler
Capacity : 90 TPH
Type of Fuel used : Bagasse
Operating Load : Normal
Type of Stack : RCC
Height of Stack from ground level(meter) : 65
Average Velocity of Fuel Emission(m/sec) : ----
Pollution Control Device If, any : Wet Scrubber

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Limits as per EPA acts 1986
1.	Particulate Matter (PM)	IS:11255(Part-1)	Plant was under seasonal shutdown	mg/Nm ³	150
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)		mg/Nm ³	No Limit Specification
3.	Nitrogen dioxide (as NO ₂)	IS:11255(Part-7)		mg/Nm ³	No Limit Specification
4.	Carbon dioxide (as CO)	IS:13270		%	1% Volume

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 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.

Checked by
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



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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.	Report Code : ST-060923-019
Address: Unit – Rudhauri (Sugar),	ULR No. : TC6814230000017102 F
District – Basti (U.P), India	Test Report of : Stack Emission
	Service Request No : NTL/SRF/09/23-010
	Service Request Date : 04/09/2023
	Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production of Industry with installed capacity	:	10000 TCD& 21MW Power
Sample Drawn on	:	05/09/2023
Sample Drawn By	:	N.T.L. Representative
Sampling Time	:	30 minutes
Sampling Plan & Procedure	:	SOP/SE/09
Analysis Duration	:	06/09/2023 to 12/09/2023
Stack Temperature (°C)	:	145
Source of Emission	:	Stack Attached to DG
Capacity	:	500 KVA
Fuel Consumption	:	110-125 lph
Type of Fuel used	:	HSD
Operating Load	:	Normal
Type of Stack	:	Metal Circular
Diameter of Stack (inch)	:	0.15
Height of Stack from ground level(meter)	:	12.6
Average Velocity of Fuel Emission(m/sec)	:	8.8

TEST RESULT

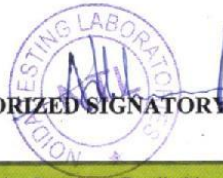
S.N.	Parameter	Test Method	Results	Units	Emission limits Up to 800 KW DG
1.	Particulate Matter (PM)	IS:11255(Part-1)	0.092	g/kw-hr	0.2
2.	Sulphur dioxide (SO ₂)	IS:11255(Part-2)	8.50	mg /Nm ³	Limit not Specified
3.	Nitrogen dioxide (SO ₂)	IS:11255(Part-7)	2.16	g/kw-hr	9.2
4.	Carbon monoxide(as CO)	USEPA Method No.10	0.35	g/kw-hr	3.5
5.	Hydrocarbon(HC)	GC-FID	0.040	g/kw-hr	1.3
6.	Volatile Organic Matter	APHA	<1.0	mg/mg ²	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 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.

CHECKED BY

AUTHORIZED SIGNATORY



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

Branch Office :

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.		Report Code : ST-060923-020
Address:	Unit – Rudhauli (Sugar),	ULR No. : TC6814230000017103 F
	District – Basti (U.P), India	Test Report of : Stack Emission
		Service Request No : NTL/SRF/09/23-010
		Service Request Date : 04/09/2023
		Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production of Industry with installed capacity	:	10000 TCD& 21MW Power
Sample Drawn on	:	05/09/2023
Sample Drawn By	:	NTL Representative
Sampling Time	:	30 minutes
Sampling Plan & Procedure	:	SOP/SE/09
Analysis Duration	:	06/09/2023 to 12/09/2023
Stack Temperature (°C)	:	172
Source of Emission	:	Stack Attached to DG
Capacity	:	1010 KVA
Fuel Consumption	:	18-22 lph
Type of Fuel used	:	HSD
Operating Load	:	Normal
Type of Stack	:	Metal Circular
Diameter of Stack (mm)	:	200
Height of Stack from ground level(meter)	:	14.8
Average Velocity of Fuel Emission(m/sec)	:	10.2

TEST RESULT				Limits as per EPA acts 1986		
S.N.	Parameter	Test Method	Test Value	Emission limit (based on generator sets commissioning date)		
				Before 1.7.2003	Between 1.7.2003 & 1.7.2005	On or after 1.7.2005
1.	Particulate matter (PM) (at 15% O ₂) mg/Nm ³	IS-11255(P-1)	42.60	75	75	75
2.	Sulphur dioxide (as SO ₂), mg/Nm ³	IS:11255(Part-2)	23.18	Not specified	Not specified	Not specified
3.	Nitrogen dioxide (NO ₂) (at 15% O ₂) PPMv	IS:11255(Part-7)	354.0	1100	970	710
4.	Carbon monoxide (as CO) (at 15% O ₂) mg/Nm ³	USEPA Method No.10	32.0	150	150	150

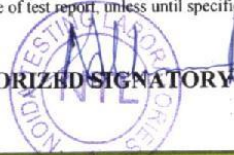
NOTE-1:- 1. Oxygen was observed to be 11.9% during the monitoring.
2. Emission limits mentioned above as per MoEF Notification dated 9th July 2002 for Diesel Engines more than 0.8 MW.

Notes:

- The results given above are related to the tested sample, as received & mentioned parameters. The customer asked for the above tests only.
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- 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.

CHECKED BY

AUTHORIZED SIGNATORY



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

Branch Office :

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.
Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : ST-060923-021
ULR No. : TC6814230000017104 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production of Industry with installed capacity : 10000 TCD& 21MW Power
Sample Drawn on : 05/09/2023
Sample Drawn By : NTL Representative
Sampling Time : 30 minutes
Sampling Plan & Procedure : SOP/SE/09
Analysis Duration : 06/09/2023 to 12/09/2023
Stack Temperature (°C) : 110
Source of Emission : Stack Attached to DG
Capacity : 82KVA
Fuel Consumption : 18-22 lph
Type of Fuel used : HSD
Operating Load : Normal
Type of Stack : Metal Circular
Diameter of Stack (mm) : 100
Height of Stack from ground level(meter) : 5.6
Average Velocity of Fuel Emission(m/sec) : 7.2

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Emission limits Upto 800 KW DG
1.	Particulate Matter (PM)	IS:11255(Part-1)	0.082	g/kw-hr	0.2
2.	Sulphur dioxide (SO ₂)	IS:11255(Part-2)	7.60	mg /Nm ³	Limit not Specified
3.	Nitrogen dioxide (SO ₂)	IS:11255(Part-7)	1.75	g/kw-hr	9.2
4.	Carbon monoxide(as CO)	USEPA Method No.10	0.34	g/kw-hr	3.5
5.	Hydrocarbon(HC)	GC-FID	0.046	g/kw-hr	1.3
6.	Volatile Organic Matter	APHA	<1.0	mg/mg ²	No Limit Specified

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.

CHECKED BY
[Signature]

AUTHORIZED SIGNATORY
[Signature]



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

Branch Office :

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.
Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : ST-060923-022
ULR No. : TC6814230000017105 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production of Industry with installed capacity : 10000 TCD& 21MW Power
Sample Drawn on : 05/09/2023
Sample Drawn By : NTL Representative
Sampling Time : 30 minutes
Sampling Plan & Procedure : SOP/SE/09
Analysis Duration : 06/09/2023 to 12/09/2023
Stack Temperature (°C) : 141
Source of Emission : Stack Attached to DG
Capacity : 320 KVA
Fuel Consumption : 70-75 lph
Type of Fuel used : HSD
Operating Load : Normal
Type of Stack : Metal Circular
Diameter of Stack (mm) : 150
Height of Stack from ground level(meter) : 12.2
Average Velocity of Fuel Emission(m/sec) : 8.1

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Emission limits Upto 800 KW DG
1.	Particulate Matter (PM)	IS:11255(Part-1)	0.092	g/kw-hr	0.2
2.	Sulphur dioxide (SO ₂)	IS:11255(Part-2)	8.80	mg /Nm ³	Limit not Specified
3.	Nitrogen dioxide (SO ₂)	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	0.060	g/kw-hr	1.3
6.	Volatile Organic Matter	APHA	<1.0	mg/mg ²	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.
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- The test samples will be disposed off after two weeks from the date of issue of test report, unless until specified by the customer.

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AUTHORIZED SIGNATORY

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

Branch Office :

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.
Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : ST-060923-023
ULR No. : TC6814230000017106 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production of Industry with installed capacity : 10000 TCD& 21MW Power
Sample Drawn on : 05/09/2023
Sample Drawn By : NTL Representative
Sampling Time : 30 minutes
Sampling Plan & Procedure : SOP/SE/09
Analysis Duration : 06/09/2023 to 12/09/2023
Stack Temperature (°C) : 98
Source of Emission : Stack Attached to DG
Capacity : 120 KVA
Fuel Consumption : 18-22 lph
Type of Fuel used : HSD
Operating Load : Normal
Type of Stack : Metal Circular
Diameter of Stack (mm) : 100
Height of Stack from ground level(meter) : 5.4
Average Velocity of Fuel Emission(m/sec) : 6.5

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Emission limits Upto 800 KW DG
1.	Particulate Matter (PM)	IS:11255(Part-1)	0.067	g/kw-hr	0.3
2.	Sulphur dioxide (SO ₂)	IS:11255(Part-2)	5.80	mg /Nm ³	Limit not Specified
3.	Nitrogen dioxide (SO ₂)	IS:11255(Part-7)	1.12	g/kw-hr	9.2
4.	Carbon monoxide(as CO)	USEPA Method No.10	0.25	g/kw-hr	3.5
5.	Hydrocarbon(HC)	GC-FID	0.049	g/kw-hr	1.3
6.	Volatile Organic Matter	APHA	<1.0	mg/mg ²	No Limit Specified

Notes:

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CHECKED BY
Arjun

AUTHORIZED SIGNATORY



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

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6/7/2021

NOC Application Form

 GROUND WATER DEPARTMENT (Namami Gange & Rural Water Supply Department) Ministry of Jal Shakti Government of Uttar Pradesh			
Form 3 (B) [See Rule 8(1)] Certificate of Registration of User for Abstraction of Ground Water {UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}			
Registration No.: 202104000052			
Name of the Owner	MANOJ KUMAR SINGH		
Designation पद	UNIT HEAD	Company Name कंपनी का नाम	BAJAJ HINDUSTHAN SUGAR LTD
Company Address कंपनी का पता	Village- Athdama, Post- Rudhauli, Distt – Basti	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	VILLAGE- ATHADAM, POST- RUDHAULI, DISTRICT BASTI UTTAR PRADESH	Application Form Serial No.	BST10421RIN0005
Date of Submission	05/04/2021	Specimen Signature	
Location Particulars			
District	Basti	Block	RUDHAULI
Plot No./Khaera No.	243	Municipality/Corporation	NA
Ward No./Holding No.			NA
Particular of the Existing Well and Pumping Device			
Date of Construction/Sinking of the Well	16/02/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	124.18
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	50.00
Operational Device	Electric Motor	Rate of Withdrawal (m ³ /hr.)	200.00
Date of Energization (In Case of Electric Pump)		16/02/2007	



GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)

Ministry of Jal Shakti

Government of Uttar Pradesh

Form 3 (B)

[See Rule 8(1)]

Certificate of Registration of User for Abstraction of Ground Water

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 202104000110

Name of the Owner	MANOJ KUMAR SINGH		
Designation पद	Unit Head	Company Name कंपनी का नाम	Bajaj Hindusthan Sugar Ltd.
Company Address कंपनी का पता	Village- Athdama, Post- Rudhauli, Distt – Basti	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	VILLAGE- ATHADAM, POST- RUDHAULI, DISTRICT BASTI UTTAR PRADESH	Application Form Serial No.	BSTI0421RIN0006
Date of Submission	08/04/2021	Specimen Signature	
Location Particulars			
District	Basti	Block	RUDHAULI
Plot No./Khasra No.	243	Municipality/Corporation	NA
Ward No./Holding No.			NA
Particular of the Existing Well and Pumping Device			
Date of Construction/Sinking of the Well	16/02/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	118.34
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	50.00
Operational Device	Electric Motor	Rate of Withdrawal (m ³ /hr.)	200.00
Date of Energization (In Case of Electric Pump)	16/02/2007		



GROUND WATER DEPARTMENT
 (Namami Gange & Rural Water Supply Department)
 Ministry of Jal Shakti
 Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

**AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW /
 EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK
 USER OF GROUND WATER**

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC016101

VALID FROM 07/06/2021 TO 06/06/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 202105000091			
Name of the Owner	MANOJ KUMAR SINGH		
Designation पद	Sr. General Manager (Unit Head)	Company Name कंपनी का नाम	BAJAJ HINDUSTHAN SUGAR LTD
Company Address कंपनी का पता	Village- Athdema, Post- Rudhauli, District- Basti,	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	VILLAGE- ATHADAM, POST- RUDHAULI, DISTRICT BASTI UTTAR PRADESH	Application Form Serial No.	BSTI0521NIN0006
Date of Submission	07/05/2021	Specimen Signature	
Location Particulars			
District	Basti	Block	RUDHAULI
Plot No./Khasra No.	Existing premises khasra detail attached	Municipality/Corporation	NA
Ward No./Holding No.			NA
Particular of the Existing Well and Pumping Device			
Date of Construction/Sinking of the Well	01/04/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	118.34
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	50.00
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	180.00
Date of Energization (In Case of Electric Pump)		01/04/2007	
Maximum Allowable Rate of Withdrawal (m³/hr.):	180.00	Maximum Allowable Running Hours Per Day:	3.00



GROUND WATER DEPARTMENT
 (Namami Gange & Rural Water Supply Department)
 Ministry of Jal Shakti
 Government of Uttar Pradesh

Form 8 (C)

[See Rule 8(1)]

**AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF NEW /
 EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK
 USER OF GROUND WATER**

[Under Section 14 of the Uttar Pradesh Ground Water Management and Regulation Act, 2019.]

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC047177

VALID FROM 07/06/2021 TO 06/06/2026

{UIS10(1) of the Uttar Pradesh Ground Water Management and Regulation Act, 2019}

Registration No.: 202105000092			
Name of the Owner	MANOJ KUMAR SINGH		
Designation पद	Sr. General Manager (Unit Head)	Company Name कंपनी का नाम	BAJAJ HINDUSTHAN SUGAR LTD
Company Address कंपनी का पता	Village- Athdema, Post- Rudhauli, District- Basti,	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	VILLAGE- ATHADAM, POST- RUDHAULI, DISTRICT BASTI UTTAR PRADESH	Application Form Serial No.	BSTI0521NIN0005
Date of Submission	07/05/2021	Specimen Signature	
Location Particulars			
District	Basti	Block	RUDHAULI
Plot No./Khasra No.	Existing premises khasra detail attached	Municipality/Corporation	NA
Ward No./Holding No.			NA
Particular of the Existing Well and Pumping Device			
Date of Construction/Sinking of the Well	01/04/2007		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	124.18
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	50.00
Operational Device	Electric Motor	Rate of Withdrawal (m³/hr.)	180.00
Date of Energization (In Case of Electric Pump)	01/04/2007		
Maximum Allowable Rate of Withdrawal (m³/hr.):	180.00	Maximum Allowable Running Hours Per Day:	3.00



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.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. -
140022/UPPCB/Basti(UPPCBRO)/CTO/water/BA
STI/2021

Dated : 17/01/2022

To ,

Shri MANOJ KUMAR SINGH
M/s BAJAJ HINDUSTHAN SUGAR LTD
Village - Athadama, Post - Rudhauri, Bastrict- Basti (U.P.),BASTI,272151
BASTI

Sub : Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974
(as amended) for discharge of effluent to M/s. BAJAJ HINDUSTHAN SUGAR LTD

Reference Application No :13851288

Dated :17/01/2022

1. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act,1974 as amended (here in after referred as the act) M/s. BAJAJ HINDUSTHAN SUGAR LTD is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tant/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application .
2. This consent is valid for the period from 01/01/2022 to 31/12/2023 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Previntion and Controt of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority .

PRADEEP SHARMA Digitally signed by
PRADEEP SHARMA
Date: 2022.02.14
11:29:14 +05'30'

For and on behalf of U.P. Pollution Control Board

Chief Environmental Officer, Circle-6

Enclosed : As above
(condition of consent):

Copy to: Regional Officer, U.P. Pollution Control Board, Basti for information and necessary action.

Chief Environmental Officer, Circle-6

PRADEEP SHARMA Digitally signed by
PRADEEP SHARMA
Date: 2022.02.14
11:29:35 +05'30'



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.com, Website: www.uppcb.com

CONSENT ORDER

Ref No. - 140021/UPPCB/Basti(UPPCBRO)/CTO/air/BASTI/2021

Dated : 14/02/2022

To ,

Shri MANOJ KUMAR SINGH
M/s BAJAJ HINDUSTHAN SUGAR LTD
Village - Athadama, Post - Rudhauhi, Bastrict- Basti (U.P.),BASTI,272151
BASTI

Sub : Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. BAJAJ HINDUSTHAN SUGAR LTD

Reference Application No. 13851282

Dated : 14/02/2022

1. With reference to the application for consent for emission of air pollutants from the plant of M/s BAJAJ HINDUSTHAN SUGAR LTD. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions .
2. This consent is valid for the period from 01/01/2022 to 31/12/2023 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Prevention and Control of Pollution) Act, 1981 as amended.
This consent is being issued with the permission of competent authority .

PRADEEP SHARMA Digitally signed by
PRADEEP SHARMA
Date: 2022.02.14
11:31:09 +05'30'

For and on behalf of U.P. Pollution Control Board

Chief Environmental Officer, Circle-6

**Enclosed : As above
(condition of consent):**

Copy to: Regional Officer, U.P. Pollution Control Board, Basti for information and necessary action.

Chief Environmental Officer, Circle-6

PRADEEP SHARMA Digitally signed by
PRADEEP SHARMA
Date: 2022.02.14
11:31:48 +05'30'

Water Used/ Effluent Generation/Day

(Period April 2023 to September 2023)

**1. Average Water Consumption
(KL/Day)**

- Industrial : 00 KL
- Domestic : 49.96 KL (Including Horticulture)

**2. Average Effluent Generated
(KL/Day)**

- Industrial : 00 KL
- Domestic : 15 KL

3. Average Effluent Treated (KL/Day)

- Industrial : Entire quantity is treated in ETP.
- Domestic : Treated in STP.
- Effluent Reused : Entire Effluent is used in Process, Bagasse spray and irrigation

4. Effluent discharged : We are operating at Zero discharge



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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.
Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : WW-060923-017
ULR No. : TC6814230000017100 F
Test Report of : Waste Water
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production of Industry with installed capacity : 10000 TCD& 21 MW Power
Sample Drawn On : ----
Sample Drawn By : (BHSL)
Sample Description : ETP Outlet
Sample Received On : ----
Sample Quantity/Packing detail : ----
Weather Conditions : Normal
Analysis Duration : ----

TEST RESULTS

S.No	Parameter	Test Method	Results	Units	Limits as per CPCB Norms
1.	pH	IS:3025(Part-11):1983	Plant was under seasonal shutdown	-	5.5 - 9.0
2.	Colour	IS:3025(Part-04):1983		-	-
3.	Odour	IS:3025(Part-05):1983		-	-
4.	Total Dissolved Solid	IS:3025(Part-16):1984		mg/l	----
5.	Total Suspended Solid	IS:3025(Part-17):1984		mg/l	100
6.	Chemical Oxygen Demand(as O ₂)	APHA 5220 B:2005		mg/l	250.0
7.	Biological Oxygen Demand(as O ₂)	IS:3025(Part-44):1993		mg/l	30.0
8.	Oil & grease	IS:3025(Part-19):1984		mg/l	10.0

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.

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AUTHORIZED SIGNATORY

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

Branch Office :

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.
Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : WW-060923-024
ULR No. : TC6814230000017107 F
Test Report of : Waste Water
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 05/09/2023
Sample Drawn By : NTL Representative
Sample Description : STP Outlet
Sample Received On : 06/09/2023
Sample Quantity/Packing detail : 2 lt/Plastic Cane
Weather Conditions : Normal
Analysis Duration : 06/09/2023 to 12/09/2023

TEST RESULTS

S.No	Parameter	Test Method	Results	Units	Limits as per CPCB Nor.ms
1.	pH	IS:3025(Part-11):1983	7.32	-	5.0 - 9.0
2.	Colour	IS:3025(Part-04):1983	Colorless	-	-
3.	Odour	IS:3025(Part-05):1983	Odorless	-	-
4.	Total Dissolved Solid	IS:3025(Part-16):1984	740	mg/l	---
5.	Total Suspended Solid	IS:3025(Part-17):1984	10.0	mg/l	100.0
6.	Chemical Oxygen Demand(as O ₂)	APHA 5220 B:2005	36.0	mg/l	250.0
7.	Biological Oxygen Demand(as O ₂) (3 days at 27 ^{0C})	IS:3025(Part-44):1993	6.20	mg/l	30.0
8.	Oil & grease	IS:3025(Part-19):1984	<1.0	mg/l	10.0

Notes:

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Bajaj
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GREEN BELT DEVELOPMENT**(SUGAR DIVISION)****New Plantation for Development of Green Belt****(From April 2023 to September 2023)**

S.NO.	Period	Location	Planted Plant Name	No. of Planted Plant	No. of survival plant
1.	Apr. 2023 – Sep. 2023	ETP Area	Sagaun	1000	900
2.	Apr. 2023 – Sep. 2023	Near Lagoon	Sagaun	350	350
3.	Apr. 2023 – Sep. 2023	Cane Carrier	Sagaun	100	100
4.	Apr. 2023 – Sep. 2023	In Bagasses Yard	Kesia, Arjun, Mango, SSahjan	500	475
Total				1950	1825

Green belts cover above than 33% of the total Project area



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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.
Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : AAQ-060923-012
ULR No. : TC6814230000017095 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production Capacity of Plant : 10000 TCD & 21 MW Power
Sample Drawn On : 05/09/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : At the Roof of Dormitory (Station No. – 1)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 06/09/2023 to 12/09/2023
Average Flow Rate of SPM (m³/min.) : 1.15
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 : North East to North West
Sampling Machine Placed at Height (From ground) : 2.5Mtr

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	80.34	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	41.12	µg /m ³	60.0
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	8.96	µg /m ³	80.0
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	19.50	µg /m ³	80

Notes:

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.	Report Code : AAQ-060923-013
Address: Unit – Rudhauri (Sugar), District – Basti (U.P), India	ULR No. : TC6814230000017096 F
	Test Report of : Ambient Air Quality
	Service Request No : NTL/SRF/09/23-010
	Service Request Date : 04/09/2023
	Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production Capacity of Plant	: 10000 TCD & 21 MW Power
Sample Drawn On	: 05/09/2023
Sample Drawn By	: NTL Representative
Sample description	: Ambient Air
Sampling Location	: At the Roof of Admin Office (Station No. – 2)
Sampling Plan & Procedure	: SOP-AAQ/08
Analysis Duration	: 06/09/2023 to 12/09/2023
Average Flow Rate of SPM (m ³ /min.)	: 1.15
Average Flow Rate of Gases (l/min)	: 1.0
Sampling Instrument Used	: Respirable Dust Sampler (PM ₁₀), Fine Particulate (PM _{2.5}) Sampler
Weather Condition	: Clear
Wind Direction	: North East to North West
Sampling Machine Placed at Height (From ground)	: 2.5Mtr

TEST RESULT

S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	78.21	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	40.06	µg /m ³	60.0
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	8.35	µg /m ³	80.0
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	17.80	µg /m ³	80

Notes:

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.
Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : AAQ-060923-014
ULR No. : TC6814230000017097 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Production Capacity of Plant : 10000 TCD & 21 MW Power
Sample Drawn On : 05/09/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : At Village - Athdama (Station No. - 3)
Sampling Plan & Procedure : SOP-AAQ/08
Analysis Duration : 06/09/2023 to 12/09/2023
Average Flow Rate of SPM (m³/min.) : 1.15
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 : North East to North West
Sampling Machine Placed at Height (From ground) : 2.5Mtr

TEST RESULT

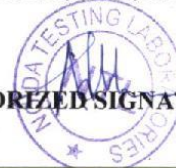
S.No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	76.89	µg /m ³	100.0
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	38.12	µg /m ³	60.0
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	7.50	µg /m ³	80.0
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	17.08	µg /m ³	80

Notes:

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : W-060623-015

ULR No. : TC6814230000015420 F

Test Report of : Water

Service Request No : NTL/SRF/06/23-026

Service Request Date : 19/06/2023

Report Issue Date : 26/06/2023

SAMPLING & ANALYSIS DATA

Sample Drawn By : NTL Representative
Sample Drawn On : 07/04/2023, 10/05/2023, 20/06/2023
Sample Quantity : 2.0 Lt.
Sample Description : Ground Water (Piezowell No. -01)

S.No	Parameter	Unit	Test Method	Results			Limit (IS-10500:2012)	
				08-04-2023	11-05-2023	21-06-2023	Desirable	Permissible
1	Colour	Hazen	IS:3025(P-04)	<5	<5	<5	5	15
2	Odour	-	IS:3025(P-05)	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Taste	-	IS:3025(P-07 & 08)	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS:3025(P-10)	<1.0	<1.0	<1.0	1	5
5	pH	-	IS:3025(P-11)	7.35	7.24	7.58	6.5-8.5	No Relaxation
6	Total Hardness (as CaCO ₃)	mg/l	IS: 3025 (P- 23)	182.0	176.0	192.0	200	600
7	Iron (as Fe)	mg/l	IS: 3025(P-53)	0.116	0.112	0.136	0.3	No Relaxation
8	Chlorides (as Cl)	mg/l	IS: 3025 (P- 32)	35.8	34.6	32.5	250	1000
9	Fluoride (as F)	mg/l	IS: 3025 (P-60)	0.219	0.243	0.221	1	1.5
10	TDS	mg/l	IS-3025(P-16)	254	270	294	500	2000
11	Calcium(as Ca ²⁺)	mg/l	IS: 3025 (P- 40)	46.6	42.6	41.1	75	200
12	Magnesium (as Mg ²⁺)	mg/l	IS: 3025 (P-46)	5.87	5.18	4.98	30	100
13	Sulphate (as SO ₄)	mg/l	IS: 3025 (P- 24)	14.5	15.6	18.0	200	400
14	Nitrate(as NO ₃)	mg/l	IS: 3025 (P- 34)	1.36	1.24	1.26	45	No Relaxation
15	Lead (as Pb)	mg/l	IS-3025(P-47)	NIL	NIL	BDL	0.01	No Relaxation
16	Zinc (as Zn)	mg/l	IS: 3025 (P- 49)	BDL	BDL	0.15	5	15
17	Chromium (as Cr ⁶⁺)	mg/l	Annex J of IS-13428	BDL	BDL	BDL	0.05	No Relaxation
18	Pesticides	mg/l	Table 5	Nil	Nil	Nil	Nil	Nil
19	MNP of Coliform count/100ml	mg/l	IS: 3025 (P- 23)	Nil	Nil	Nil	Abset	10 max

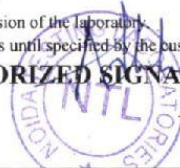
Notes: BDL- Below detection limit.

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.
Address: Unit – Rudhauri (Sugar),
District – Basti (U.P), India

Report Code : W-060923-028
ULR No. : TC6814230000017111 F
Test Report of : Water
Service Request No : NTL/SRF/09/23-010
Service Request Date : 04/09/2023
Report Issue Date : 12/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn By : NTL Representative
Sample Drawn On : 11/07/2023, 17/08/2023, 05/09/2023
Sample Quantity : 2.0 Lt.
Sample Description : Ground Water (Piezowell No. -01)

S.No	Parameter	Unit	Test Method	Results			Limit (IS-10500:2012)	
				12-07-2023	18-08-2023	06-09-2023	Desirable	Permissible
1	Colour	Hazen	IS:3025(P-04)	<5	<5	<5	5	15
2	Odour	-	IS:3025(P-05)	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
3	Taste	-	IS:3025(P-07 & 08)	Agreeable	Agreeable	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS:3025(P-10)	<1.0	<1.0	<1.0	1	5
5	pH	-	IS:3025(P-11)	7.82	7.67	7.55	6.5-8.5	No Relaxation
6	Total Hardness (as CaCO ₃)	mg/l	IS: 3025 (P- 23)	179.0	165.0	182.0	200	600
7	Iron (as Fe)	mg/l	IS: 3025(P-53)	0.125	0.142	0.138	0.3	No Relaxation
8	Chlorides (as Cl)	mg/l	IS: 3025 (P- 32)	35.6	32.8	30.7	250	1000
9	Fluoride (as F)	mg/l	IS: 3025 (P-60)	0.220	0.216	0.232	1	1.5
10	TDS	mg/l	IS-3025(P-16)	250	265	289	500	2000
11	Calcium(as Ca ²⁺)	mg/l	IS: 3025 (P- 40)	46.8	45.2	41.6	75	200
12	Magnesium (as Mg ²⁺)	mg/l	IS: 3025 (P-46)	5.60	6.38	6.12	30	100
13	Sulphate (as SO ₄)	mg/l	IS: 3025 (P- 24)	12.8	10.6	14.6	200	400
14	Nitrate(as NO ₃)	mg/l	IS: 3025 (P- 34)	2.50	2.08	2.25	45	No Relaxation
15	Lead (as Pb)	mg/l	IS-3025(P-47)	NIL	NIL	BDL	0.01	No Relaxation
16	Zinc (as Zn)	mg/l	IS: 3025 (P- 49)	BDL	BDL	BDL	5	15
17	Chromium (as Cr ⁶⁺)	mg/l	Annex J of IS-13428	BDL	BDL	BDL	0.05	No Relaxation
18	Pesticides	mg/l	Table 5	Nil	Nil	Nil	Nil	Nil
19	MNP of Coliform count/100ml	mg/l	IS: 3025 (P- 23)	Nil	Nil	Nil	Abset	10 max

Notes: BDL- Below detection limit.

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.		Report Code	: AN-060923-015
Address:	Unit – Rudhauri (Sugar),	ULR No.	: TC6814230000017098 F
	District – Basti (U.P), India	Test Report of	: Ambient Noise
		Service Request No	: NTL/SRF/09/23-010
		Service Request Date	: 04/09/2023
		Report Issue Date	: 12/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On	: 05/09/2023
Sample Drawn By	: NTL Representative
Sample Received On	: 06/09/2023
Sample description	: Ambient Noise
Sampling Location	: Near- Boiler, Admin Office, Workshop, BH
Sampling Time	: 24 hrs
Production Capacity of Plant	: 10000 TCD & 21MW Power

TEST RESULT

S. No	Test Parameters	Results	Units	Requirement (as per CPCB Guidelines Limits in dB (A) Leq		
				Category of Area/ Zone	Day Time	Night Time
1.	EQUIVALENT NOISE LEVEL (6.0 AM TO 10.0 PM)	62.6	dB(A)	Industrial Area	74	71
				Commercial Area	64	56
2.	EQUIVALENT NOISE LEVEL (10.0 PM TO 6.0 AM)	50.1	dB(A)	Residential Area	58	48
				Silence Zone	51	42

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.

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

COST DETAILS OF ENVIRONMENT MANAGEMENT**Bajaj Hindusthan Sugar Ltd.**

Unit: Rudhali (Sugar)Basti

Capacity: 10000 TCD & 21 MW

Sr. No	Details	Spent Cost in Project (Corers)	Expenditure in 2022-23 (Cr.)	Expenditure in 2023-24 (Cr.)
1	Effluent Treatment Plant	1.4000	0.0600	0.0600
2	Wet Scrubber	0.7000	0.0500	0.0500
3	Zero Discharge projects	0.2500	0.050	0.050
4	Solid waste management	0.1000	0.0400	0.0400
5	Green belt development	0.2150	0.0250	0.0250
6	Environmental Lab equipments/Chemicals	0.0350	0.0050	0.0050
7	Third Party Monitoring	0.2060	0.0100	0.0100
8	Piezo meter	0.1000	---	0.0050
9	Other (STP)	0.2500	0.0100	0.0100
10	SRS Plant	.600		0.0400
Total cost in corers		3.856	0.250	.295
Total cost up to 2023-24 (in corers)		4.356		.295
Total Expenditure For Environment Management		(4.356+.295) = 4.651 Corers		

Environment Management Committee Members

S.NO.	Member Name	Designation
01	Sh. Ompal Singh	Unit Head
02	Sh. Sharawan Kumar Chauhan	Engg. Head
03	Sh. S.N. Yadav	Production Head
04	Sh. Vipul Kumar Rai	HR Head
05	Sh. P.K. Rai	Sr. Manager Horticulture
06	Sh. S.K. Srivastava	Dy. Manager-Lab
07	Sh. N.K. Singh	Medical Officer
08	Sh. Dinesh Chaudhary	Officer-EHS
09	Sh. G.K. Shukla	AdlManager Sales
10	Sh. RameshwarDiwedi	Sr. Manager. Engg. Boiling
11	Sh. Anil Mishra	A.G.M.Engg. Mill
12	Sh. Atul Thakur	Dy. Manager Engg. Instrument
13	Sh. Vikram Singh Raghuvanshi	Adl Manager Engg. Boiler

The Surveillance Team Members

S.NO.	Member Name	Designation
01	Sh. Ashok Singh	Dy. Manager
02	Sh. P.K. Rai	Sr. Manager
03	Sh. Rajesh Singh	Sr. Officer-Cane

LAB EQUIPMENTS

Sr. No.	Parameter	Name of Instrument	Quantity
1	pH	PH Meter	1
2	BOD	BOD incubator	1
3	Distilled water	Glass distillation apparatus	1
4	Sodium, Potassium in ground water soil	Flame photometer	1
5	Conductivity	Conductivity meter	1
6	Max. Min Temperature & Humidity	Thermo-Hygrometer	1
7	TSS& TDS	Laboratory Electrical Oven	1
8	TVSS, MLVSS	Muffle Furnace	1
9	COD	COD distillation Unit	1
10	TSS	Centrifugal Machine	1
11	Oil & grease	Oil & grease apparatus	1
12	Ammonical Nitrogen & Total Kjeldahl Nitrogen	Kjeldahl distillation Apparatus	1
13	Sox ,Nox, Nitrate Nitrite	Spectrophotometer	1
14	Preservation of sample & chemical solution	Refrigerator.	1
15	TSS TDS & Chemical Solution Preparation	Electronic Balance	1
16	Sample of stack emission	Stack Monitoring Kit	1
17	Monitoring of Noise level	Digital sound level meter	1
18	Monitoring of Ambient Air Quality	High Volume Air Sampler	1

Date:26.09.2023

TO WHOME SOEVER IT MAY CONCERN

This is to certify that I have examined 95 employees of M/s Bajaj Hindusthan Sugar Ltd. (Sugar Division), Unit- Rudhauri, Basti. All of them found mantle and physically fit without any contagious disease.


(Dr. N.K. Singh)

Medical Officer
Bajaj Hindusthan Sugar Ltd.
Unit- Rudhauri (Sugar), Basti

Kashinriya Sahana

सूचना

सर्वसाधारण को सूचित किया जाता है कि पर्यावरण एवं वन मंत्रालय द्वारा मेसर्स बजाज हिन्दुस्थान शुगर एण्ड इण्डस्ट्रीज लिमिटेड को अठदमा रुधौली बस्ती में 10,000 टी.सी.डी.केन क्रैसिंग तथा 21 मेगावाट को-जैनरेशन प्लांट की स्थापना करने के लिए दिनांक 31-07.2007 को अनापत्ति प्रमाण पत्र प्रदान कर दी गयी है।

उपरोक्त अनापत्ति प्रमाण पत्र, राज्य प्रदूषण नियंत्रण बोर्ड तथा पर्यावरण एवं वन मंत्रालय के वेबसाइट [Http://envfor.nic.in](http://envfor.nic.in) पर देखी जा सकती है।

अध्यक्ष

संयंत्र शुगर इकाई मेसर्स बजाज हिन्दुस्थान शुगर एण्ड इण्डस्ट्रीज लि.
रजि. कार्यालय : बजाज भवन जमना लाल बजाज
मार्ग 226 नरीमन प्वाइंट मुंबई-400021

Darvik Jagran

सूचना

सर्वसाधारण को सूचित किया जाता है कि पर्यावरण एवम् वन मंत्रालय द्वारा मेसर्स बजाज हिन्दुस्तान शुगर एण्ड इण्डस्ट्रीज लि. को अठदमा, रुधौली, बस्ती में 10000 टी.सी.डी. केन क्रसिंग तथा 21 मेगावाट को-जैनरेशन प्लांट की स्थापना करने के लिए दिनांक 31.07.2007 को अनापत्ति प्रमाण-पत्र प्रदान कर दी गई है।

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अध्यक्ष

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