

Date : 03-11- 2023

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

Sub: - Present status of 15000 TCD Sugar & 48 MW Co-generation Sugar Manufacturing Plant of M/s Bajaj Hindusthan Sugar Ltd at Kundarki, Gonda (UP) From April 2023-to Sep 2023

Ref: - Environment clearance letter no. J -11011 / 487 / 2006 - IA II (I) dated 31/07/2007 .
Project code: UP-106-281-2008

Dear Sir,

Please refer subject under reference the point wise status is as under:

Sr. No.	Details of Points	Present Status
01.	Data sheet Part-I	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.	Details of Environmental Management Cell	Enclosed herewith as annexure-6
07.	Stack emission report	Enclosed herewith as annexure-7
08.	Noise level report (Night Time & day Time)	Enclosed herewith as annexure-8
09.	Ground water Quality report	Enclosed herewith as annexure-9
10.	Ambient Air analysis Report	Enclosed herewith as annexure -10
11.	Details of lab. Equipment	Enclosed herewith as annexure- 11
12.	Details of Green Belt	Enclosed herewith as annexure- 12
13.	Details of the expenditure in The environmental management	Enclosed herewith as annexure -13

We hope above are in order and for further clarification / information, we will submit the same immediately.

Thanking You,

Yours faithfully

Bajaj Hindusthan Sugar Limited
Unit Kundarkhi

(Authorized Signatory)


Encl: As above

DATA SHEET

1	Project Type	Sugar & Cogen
2	Name of the project	Bajaj Hindusthan Sugar Ltd. Vill- Kundarkhi, Distt. Gonda (U.P.)
3	Clearance letter /OM No & Date:	J -11011 / 487 / 2006 - IA II (I) Dated 31-07-2007
4	Project Code	UP-106-281-2008
5	Location:	
a	District (S)	Gonda
b	State	U.P.
c	Latitude / longitudes	27 Deg. 04'N / 82 Deg. 10'E
5	Address For the correspondence	
a	Address of concerned project chief (with pin code & telephone /Telex/fax numbers)	Bajaj Hindusthan Sugar Ltd. Vill- Kundarkhi, Gonda Ph- 05260-265181 Fax 05262-265180
b	Address of Executive project engineer (with pin code & telephone /Telex/fax numbers)	Bajaj Hindusthan Sugar Ltd. Vill- Kundarkhi, Distt. Gonda Ph- 05260-265181 Fax 05262-265180
6	Salient Features	
a	Of the Project	Mfg of the crystal Sugar and Power
b	Of the Environmental Management plans	Effluent Treatment Plant is diffused based Activated sludge process, with primary treatment system followed by Aeration tank, Secondary Clarifier & Tertiary Treatment for effective treatment to achieve the prescribed norm of BOD with Zero discharge. Sulphate Removal System has been installed for treatment of Effluent from Sugarcane crushing surplus Installed Wet scrubber with 65 meter chimney height.
7	Break up the project area	
a	Submergence area (forest & Non forest)	60 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.	
a	SC/ST	

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Village Kundarkhi
P.O. Govindpara
Distt. Gonda (U.P.) 271301

b	Others	N.A.
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.	
9	Financial details	
a	Project Cost as originally planned subsequent revised estimates and year of price reference	368 Crores
b	Allocations made for environment managements plans, with -item wise and year-wise break up.	25.93 Crores
c	Benefit cost ratio/ internal rate of return and the year of assessment.	
d	Whether (c) include the cost of environmental Management as shown in (b) above	
e	Actual expenditure incurred on the project so far.	385 Crores
f	Actual Expenditure incurred on the Environmental Management plans so far.	6.1 Crores.
10	Forest land requirement	NA
a	The status of approval for a diversion of forest land for forest use	NA
b	The status of Compensatory aforestation, if any	NA
c	The status of the clear filling	
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	
a	Date of Commencement (actual and /of planed)	Sep.2006
b	Dated of completion (actual and /of planned)	6-12-2007
13	Reasons for the delay if project is yet to start	NA
14	Environment clearance condition wise compliance report.	Enclosed as annexure 2


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Annexure -2

Sub: Compliance report of Environmental Clearance No J -11011/487/2006-IA II (I) dated 31/07/2007 issued for installation of 15000 TCD new Sugar & Cogen plant at Bajaj Hindusthan Sugar Limited, Village-Kundarki, Tehsil-Gonda, and Distt- Gonda.

Our point-wise submission in this regard is as follows:

A. Specific Conditions

SN	Conditions	Compliance Status
1	For the control of air emissions from Cogen 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 will be less than 100 mg/nm ³ . The exhaust steam from the boiler shall be used for the process.	High Efficiency Wet Scrubber with 65 meters height stack has been installed, commissioned and operated efficiently. Concentration of particulate matter is within prescribed standard i.e. Below 100 mg/nm ³ . DG set has also been attached with 8 meters stack height from ground level. The exhaust steam is being used for the process
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.	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 15,000 KLD and shall be met from the ground water through tube well. Permission shall be obtained from Competent Authority for drawl of ground water.	Water requirement of 2000 KLD is drawn from the ground water through tube well. Permission from the State Ground Water Board for withdrawal of water has been taken.
4	The process and domestic effluents shall not exceed 1500 m ³ /d and 70.0 m ³ /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 will be less than 30 mg/l. About 75% of treated effluent will be recycled in the process and 25% will be used in irrigation. No effluent shall be discharged outside the factory premise and zero discharge shall be strictly followed.	Process and domestic effluent is 1500 M ³ /day and 70 M ³ /day respectively. Effluent Treatment Plant is diffused based Activated sludge process with primary treatment system followed by Aeration tank, Secondary Clarifier & Tertiary Treatment for effective effluent treatment to achieve the prescribed norm of BOD i.e. below 30 mg/l. Sulphate Removal System has been installed for treatment of Effluent from Sugarcane crushing surplus
5	Molasses shall be stored in MS tanks or pucca lagoons. The lagoon shall have proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. As per CPCB recommendation, storage shall not exceed 15 days capacity	Molasses is stored in MS tank only.
6	The Solid waste generated from the process will be mainly bagasse, filter cake (press mud) and boiler ash. 3000 TPD 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	We are strictly complying with the condition mentioned for Solid Waste Management.


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	the Distillery unit. 450 MTPD of press mud shall be sent for bio-composting in the Distillery. 60 TPD of Boiler Ash shall be sold to brick manufacturers. Sludge from the scrubber will be dried and will be 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.	
7	40.59 acres will be developed as green belt all around the plant. The green belt shall be as per the CPCB guidelines in consultation with the local DFO.	Green belt development in 40.59 acres area has already been initiated and plantation is being done as per CPCB guidelines and DFO advice.
8	CREP Guidelines for the Sugar Industries shall be followed by the unit. The capacity of Lagoon will be as per the CPCB Guidelines.	CREP Guideline for Sugar Industries is being complied strictly.
9	The project authorities shall provide funds of Rs. 25.93 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.	Dedicated fund of Rs. 25.93 Crores has been utilized gainfully for implementation of conditions stipulated by statutory authorities.

B. General Conditions

SN	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 U.P.P.C.B 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.	648767. MT Crushing Season 22 -23 (7632.55 MT/Day)
3.	Six monthly monitoring of ambient air for criteria pollutant shall be carried out in and around the Plant.	Six monthly monitoring of ambient air for criteria pollutants has been carried out in and around the plant. Ambient air monitoring report is enclosed as Annexure -10
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 within norms stipulated under EPA rules or S.P.C.B. Analysis and Stack monitoring report of treated effluent and stack emission is enclosed as Annexure - 7.
5.	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 have been set up in consideration of maximum ground level concentration of S.P.M, SO ₂ & NO _x in consultation with U.P.P.C.B .Three monitoring station is available at 120 degree.
6.	The overall noise levels in and around the plant area	Noise control measures has already been


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	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).	planned and enclosures would be put to keep the ambient noise level below 75 dBA (day time and 70 dBA (night time). Analysis report of noise level is enclosed as Annexure -8.
7.	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 been effectively implemented.
8.	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 monitoring and report submitted to SPCB and this Ministry.	Piezometers have been installed and ground water quality monitoring stations has been selected for sampling of ground water. Ground water analysis report is enclosed as Annexure -9.
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.	Environmental Management Cell is already in place for environmental management and monitoring function.
10.	Company shall adopt rainwater-harvesting measures to recharge the ground water.	Four Nos Rain water harvesting recharge pit are available.
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.	Surveillance programme is already in our system and medical records of each employee are also maintained.
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.	Six monthly compliance status reports along with data are already submitted to MoEF and will also be made available on the Website.
13.	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.
14.	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	Financial closure is informed after completion of project activities.


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	of start of land development work.	
15.	Revoke or suspension of clearance subject to non implementation of above conditions to satisfaction.	Concerted efforts have been put for implementation of all condition as directed.
16.	Implementation of all conditions in time bound manner.	Environmental protection measures as stipulated have been completed with time frame.
17.	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 and the Environment (Protection) Act, 1986 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 and the Environment (Protection) Act, 1986 is also be complied as directed. Annexure -3 & 4.

Bajaj Hindusthan Sugar Ltd.
Village Kundarkhi
P.O. Govindpara
Distt. Gonda (U.P.) 271301
VA Karasahi



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. -
138575/UPPCB/Faizabad(UPPCBRO)/CTO/air/GONDA/2021

Dated : 31/01/2022

To ,

Shri GYANENDRA VIR SINGH
 M/s BAJAJ HINDUSTHAN SUGAR LIMITED, KUNDARKI
 Bajaj Hindusthan Sugar limited, Village - Kundarki, PO- Govindpara, Gonda,GONDA,271301.
 GONDA

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

Reference Application No. 13675146

Dated : 31/01/2022

1. With reference to the application for consent for emission of air pollutants from the plant of M/s BAJAJ HINDUSTHAN SUGAR LIMITED, KUNDARKI. 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 .

For and on behalf of U.P. Pollution Control Board
RAKESH
KUMAR TYAGI
Chief Environmental Officer, Circle-6

Enclosed : As above
(condition of consent):

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

RAKESH
KUMAR TYAGI
Chief Environmental Officer, Circle-6

U.P. Pollution Control Board

Dated : 31/01/2022

CONDITIONS OF CONSENT

1. This consent is valid for the approved production capacity of cane crushing Crystal Sugar (1500 TPD) & 48 Megawatt Co-generation .
2. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/ process /fuel/ plant machinery failing which consent would be deemed void.
- 3(a) The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.
- 3(b) Air Pollution Source Details.

Air Pollution Source Details					
S.No	Air Pollution Source	Type of Fuel	Stack No.	Parameters	Height
1	02 Boilers having Capacity 90 TPH each	Baggasse	1	Particulate Matter	As per E(P)A Rules, 1986
2	02 Boilers having Capacity 90 TPH each	Baggasse	2	Particulate Matter	As per E(P)A Rules, 1986

- 3(c) The emissions by various stacks into the environment should be as per the norms of the Board .

Emission Quality Details Detail			
S.No	Stack No	Parameter	Standard
1	1	Particulate Matter	As per E(P)A Rules, 1986
2	2	Particulate Matter	As per E(P)A Rules, 1986

4. The industry should be operated in such a manner that it does not adversely affect the environment and the solid waste generated such as ash etc. is disposed in eco friendly manner .
5. Any source of emission other than that mentioned in the Air consent seeking application will not be permitted by the Board .
6. The industry should ensure the operation of the air pollution control system (APCS) in such a manner that the air emission conforms with the standards prescribed under the E.P Act 1986 as amended.
7. The industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P Rules 1986 .
8. The industry shall abide by orders / directions issued by Hon'ble Supreme court Hon'ble High Court, Hon'ble National Green tribunal, Central Pollution Control Board and U.P Pollution Control Board for protection and safe guard of environment from time to time .
9. Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986 .
10. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
11. The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB .
12. The unit shall submit audited balance sheet for the current year and the details of fees deposited during last three years within a month failing which consent would be deemed void.
13. The use of Pet coke and Furnace oil as a fuel in the factory is restricted in compliance of the Hon'ble Supreme court order .

14. The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability .
15. The industry shall obtain prior consents in the event of any addition of new emission generation sources such as- Boiler/ Furnace/ Heaters/ D.G. Sets or alteration of existing emission sources in accordance with section- 21/22 of air Act 1981 (as amended respectively).
16. Minimum 33% of the land on which industry is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle_160218.pdf .
17. If closure order is issued by CPCB or UPPCB against the 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 with additional conditions mentioned in the closure revocation order .
18. Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time .

The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

1. This consent is valid for the production of Crystal Sugar (1500 TPD) & 48 Megawatt Co-generation by using 15000 TCD Sugar Cane as raw material.
2. The industry should follow the directions issued by the Ministry of Environment Forest and Climate Change, Delhi vide Notification no. GSR 35(E) dated 14/01/2016.
3. The unit shall submit the point wise compliance report of the previous CTO issued by the Board for the year 2021 within a month failing which consent would be deemed void.
4. The overall noise levels in and around 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 level shall confirm to the standards under the Environment (Protection) Act 1986.
5. The Industry shall dispose the hazardous waste through authorized recyclers/TSDf and comply with the provisions of Hazardous and Other Wastes (Management and Trans-boundary Movement) Amendment Rules, 2016 and The Plastic Waste Management Rules, 2016 as amended.
6. In compliance of the provisions of the Plastic Waste Management Rules 2016 as amended, the industry shall submit the Extended Producer Responsibility (EPR) for the disposal of Plastic waste generated within a month failing which consent would be deemed void.
7. If closure order is issued by CPCB or UPPCB against any defaulting unit, then CTO issued earlier will suspended during the pendency of the closure period and after ensuring the compliance and after revocation of closure order, the CTO will be deemed to be restore subject to the effective date of revocation of the closure order, with imposed conditions thereof.
8. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this CTO and attract action under the provisions of Law.

Issued with the permission of competent authority .

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

RAKESH

KUMAR TYAGI

Chief Environmental Officer, Circle-6

U.P. Pollution Control Board
UP PCB, Ghaziabad
Board, Environment, postalCode=205010,
city=Ghaziabad
254204ad33517c550b1d55a1864e980f7bc4c
b1c2f27296ee3598f36aab68f410, cn=RAKESH
KUMAR TYAGI



Annexure - 4

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. -
138381/UPPCB/Faizabad(UPPCBRO)/CTO/wate
r/GONDA/2021

Dated : 31/01/2022

To ,

Shri GYANENDRA VIR SINGH
M/s BAJAJ HINDUSTHAN SUGAR LIMITED, KUNDARKI
Bajaj Hindusthan Sugar limited, Village - Kundarki, PO- Govindpara, Gonda,GONDA,271301
GONDA

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 LIMITED, KUNDARKI

Reference Application No :13641315

Dated :31/01/2022

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 LIMITED, KUNDARKI 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 .

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

RAKESH

KUMAR TYAGI

Chief Environmental Officer, Circle-6

Enclosed : As above
(condition of consent):

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

RAKESH

KUMAR TYAGI

Chief Environmental Officer, Circle-6

U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s.BAJAJ HINDUSTHAN SUGAR LIMITED, KUNDARKI vide

Consent Order No. 13641315/ Water

Dated : 31/01/2022

CONDITIONS OF CONSENT

1. This consent is valid for the approved production capacity of Crystal Sugar (1500 TPD) & 48 Megawatt Co-generation .
2. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/ process /fuel/ plant machinery failing which consent would be deemed void.
3. The quantity of maximum daily effluent discharge should not be more than the following :

Effluent Discharge Details			
S.No	Kind of Effluent	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	50 KLD	STP
2	Industrial	3000 KLD	ETP

4. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain .
- 4(a) The domestic effluent should be treated in the treatment plant so that it should be in conformity with the norms of treated effluent as stipulated in E.P. Rules 1986 as amended.

Domestic Effluent		
S.No	Parameter	Standard
1	Total Suspended Solids	As prescribed by Hon'ble NGT order dated 30.04.2019 in O.A. No. 1069/2018
2	BOD	As prescribed by Hon'ble NGT order dated 30.04.2019 in O.A. No. 1069/2018
3	COD	As prescribed by Hon'ble NGT order dated 30.04.2019 in O.A. No. 1069/2018
4	Oil & Grease	As prescribed by Hon'ble NGT order dated 30.04.2019 in O.A. No. 1069/2018
5	Quantity of Discharge	50 KLD

- 4(b) The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the standard lay down under the notification issued by MOEF&CC vide its GO no GSR 35 (E) dated 14/01/2016.

Industrial Effluent		
S.No	Parameter	Standard
1	Total Suspended Solids	As per E(P)A Rules, 1986
2	BOD	As per E(P)A Rules, 1986
3	COD	As per E(P)A Rules, 1986
4	Oil & Grease	As per E(P)A Rules, 1986
5	Quantity of Discharge	3000 KLD ETP

4(c) Loading Rates for different soil textures.

S.No	Soil Texture	Loading rate in m ³ /Ha/Day
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5. Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Rules, 1986 or otherwise mandatory.
6. The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/ standards prescribed under the Environment (Protection) Act, 1986.
7. The industry shall establish the cooling arrangement and polishing tank for recycling the excess condensate water to process or utilities or allied units.
8. Effluent Treatment Plant to be stabilized one month prior to the start of the crushing season and continue to operate one month after the crushing season.
9. During no demand period for irrigation, the treated effluent to be stored in a seepage proof lined pond having 15 days holding capacity only.
10. The industry shall implement treated effluent flow distribution measurement for irrigation purposes completely in accordance with irrigation plan.
11. The impact of treated effluent application on land is to be included further in E.I.A. studies, involving ground water monitoring point identified in close proximity to the unit.
12. The industry will have to ensure compliance of the permission from the CGWA before ground water extraction and it will be the responsibility of the industry to comply with the various conditions of the permission taken.
13. The industry shall submit Environmental Statement in prescribed form V rule no.14 of E.P Rules 1986.
14. The industry shall comply with various provisions of Air (Prevention and Control of Pollution) Act 1981 as amended, Water (Prevention and Control of Pollution) Act 1974 as amended and all other applicable rules notified under E.P. Act 1986.
15. Minimum 33% of the land on which unit is established will be covered and properly maintained by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H-16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle_160218.pdf.
16. The industry will ensure the continuous and uninterrupted data supply from the OCEEMS to the CPCB and SPCB .
17. Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized. The unit will ensure facility to transmit data to CPCB server and submit a regular calibration certificate of Electro Magnetic Flow meter to the Board.
18. If closure order is issued by CPCB or UPPCB against the 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 with additional conditions mentioned in the closure revocation order.
19. Industry shall abide by the directions given by Hon'ble Court, Central Pollution Control Board and UPPCB for protection and safe guard of environment from time to time.
20. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

Specific Conditions:

1. This consent is valid for the production of Crystal Sugar (1500 TPD) & 48 Megawatt Co-generation by using 15000 TCD Sugar Cane as raw material.
2. The industry shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
3. The E.T.P. unit operation line up Strengthening is to be maintained.
4. The industry shall ensure deployment of qualified to step up self monitoring mechanism on 24 x 7 Hours basis.
5. The E.I.A. studies shall include comprehensive study of water & waste water balance in Addition to the adequacy studies of E.T.P. relating to pollution load reduction impacts after implementation of treatment technology & discharge of treated effluent completely for irrigation purposes in place of discharge on surface water body.
6. The industry shall deploy self monitoring task force to strictly observe & monitor treated effluent discharge restriction on surface water body located in its proximity.
7. The industry shall also explore treated effluent re-cycle mechanism in furtherance to the application of treated effluent on land as a significant alternative mode of re-cycle. This step shall in turn reduce hydraulic loading of effluent discharge as well as shall eliminate extraneous treated effluent discharge possibility elsewhere.
8. The Unit shall submit the point wise compliance report of the conditions imposed in the CTO issued by the Board for year 2021 and the audited balance sheet for the current year and the details of fees deposited within a month failing which consent would be deemed void.
9. This consent is valid only for products and quantity mentioned above. Industry shall obtain prior approval before making any modification in product/process/fuel/ plant machinery failing which consent would be deemed void.
10. In compliance of the provisions of the Plastic Waste Management Rules 2016 as amended, the industry shall submit the Extended Producer Responsibility (EPR) for the disposal of Plastic waste generated within a month failing which consent would be deemed void.
11. The overall noise levels in and around 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 level shall confirm to the standards under the Environment (Protection) Act 1986.
12. If closure order is issued by CPCB or UPPCB against any defaulting unit, then CTO issued earlier will suspended during the pendency of the closure period and after ensuring the compliance and after revocation of closure order, the CTO will be deemed to be restore subject to the effective date of revocation of the closure order, with imposed conditions thereof.
13. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this CTO and attract action under the provisions of Law.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board
RAKESH
KUMAR TYAGI
Chief Environmental Officer, Circle-6

RAKESH KUMAR TYAGI
 U.P. Pollution Control Board,
 Board, env-Environment,
 postalCode=226010, st=Uttar Pradesh,
 25.4.20=4ed33517cb50b1d55a186e4e9a7
 bc4b31222729baee3996f3ba6dd8941a,
 cn=RAKESH KUMAR TYAGI

Annexure 5

1. Water Consumption:
(KL/Day)

- Industrial : 650
- Domestic : 115

2. Effluent Generated:

- Industrial : 1250 Zero discharge
- Domestic : 68

3. Effluent Treated (KL/Day):

- Industrial : Entire quantity is treated in E.T.P.
- Domestic : Entire quantity is treated in S.T.P.
- Effluent Reused : Entire Effluent is used in Process and Ferti-Irrigation

4. Effluent Discharged: Entire Treated Effluent is used in Irrigation

Bajaj Hindusthan Sugar Ltd.
Village Kundarkhi
P.O. Govindpara
Distt. Gonda (U.P.) 271301


Annexure 6**ENVIRONMENTAL MANAGEMENT CELL**

SN	Name	Designation	Responsibility
1	Mr.Brajesh Kumar Srivastav	A.V.P- EHS	Overall Responsible for Group Environment
2	Mr.Prem Narayan Singh	Unit Head	Overall control of the BHSL Kundarki
3	Mr.Raghvendra Srivastava	A.G.M (Production)	Overall control of the Production including Environment
4	Mr. Narendra Kumar Shukla	Head - HR	Overall control of HR & Administration
5	Mr. Ajay Kumar Awasthi	Asst. Manager- EHS	Responsible for the Control of Environment Health & Safety
6	Mr.Anil Kumar Singh	Supervisor	Overall control of ETP and reporting to the EHS
7	Mr.Suraj Gangwar	Sr.Officer Horticulture	Responsible for the green Belt Development.
8	Dr Rajesh Maurya	Medical Officer	Responsible for Occupational health.
9	Mr.Ramesh Kumar Mishra	HOD (Lab)	Responsible for the Environmental Lab

Bajaj Hindusthan Sugar Ltd.
Village Kundarkhi
P.O. Govindpara
Distt. Gonda (U.P.) 271301



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Annexure - 7

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit - Sugar, Vill- Kundarkhi,
District- Gona (U.P), India

Report Code : ST-200123-024
ULR No. : TC6814230000001566 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/01/23-024
Service Request Date : 18/01/2023
Report Issue Date : 25/01/2023

SAMPLING & ANALYSIS DATA

Sample Drawn on : 20/01/2023
Sample Drawn By : NTL Representative
Production Capacity of Plant : 15000 TCD & COGEN-48 MW
Sampling Time : 30 Minute
Sampling Plan & Procedure : SOP/SE/09
Analysis Duration : 20/01/2023 to 25/01/2023
Flue Gas Temperature (°C) : 128
Source of Emission : Stack -1 (Attached to Boiler No-1 & 2)
Operating Schedule : As per requirements
Type of Fuel used : Bagasse
Type of Stack : RCC
Height of Stack from ground level (mts) : 65
Average Velocity of Flue Emission (m/s) : 10.8
Attached APCS : Wet Scrubber

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Emission limits (As per EPA ACT-1986)
1.	Particulate Matter (PM)	IS:11255(Part-1)	46.8	mg/Nm ³	150.0
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	10.21	mg/Nm ³	No Limit Specification
3.	Nitrogen dioxide (as NO ₂)	IS:11255(Part-7)	18.60	mg/Nm ³	No Limit Specification
4.	Carbon dioxide (as CO)	IS:13270	0.56	mg/Nm ³	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.

Checked BY



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 – Sugar, Vill- Kundarkhi,
District– Gona (U.P), India

Report Code : ST-200123-025
ULR No. : TC6814230000001567 F
Test Report of : Stack Emission
Service Request No : NTL/SRF/01/23-025
Service Request Date : 18/01/2023
Report Issue Date : 25/01/2023

SAMPLING & ANALYSIS DATA

Sample Drawn on : 20/01/2023
Sample Drawn By : NTL Representative
Production Capacity of Plant : 15000 TCD & COGEN-48 MW
Sampling Time : 30 Minute
Sampling Plan & Procedure : SOP/SE/09
Analysis Duration : 20/01/2023 to 25/01/2023
Flue Gas Temperature (°C) : 132
Source of Emission : Stack -2 (Attached to Boiler No-3 & 4)
Operating Schedule : As per requirements.
Type of Fuel used : Bagasse
Type of Stack : RCC
Height of Stack from ground level (mts) : 65
Average Velocity of Flue Emission (m/s) : 10.5
Attached APCS : Wet Scrubber

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Emission limits (As per EPA ACT-1986)
1.	Particulate Matter (PM)	IS:11255(Part-1)	41.2	mg/Nm ³	150.0
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	12.50	mg/Nm ³	No Limit Specification
3.	Nitrogen dioxide (as NO ₂)	IS:11255(Part-7)	19.60	mg/Nm ³	No Limit Specification
4.	Carbon dioxide (as CO)	IS:13270	0.45	mg/Nm ³	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.
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Annexure - 8

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit - Sugar, Vill- Kundarkhi,
District- Gonda (U.P), India

Report Code : AN-250923-078
ULR No. : TC6814230000018217 F
Test Report of : Ambient Noise
Service Request No : NTL/SRF/09/23-010
Service Request Date : 22/09/2023
Report Issue Date : 30/09/2023

SAMPLING & ANALYSIS DATA

Date of Monitoring : 23/09/2023
Date of Sample Received : 25/09/2023
Sampling Done by : NTL Representative
Sample Location : Factory site (Ambient Noise)
Nature of Sample : Ambient Noise (24 Hrs.)
Sampling Method : By Sound Level Meter

Sl. 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)	62.8	dB(A)	--	--	--
2.0	EQUIVALENT NOISE LEVEL (10 PM TO 10.0 AM)	48.5	dB(A)	--	--	--
				A. Industrial Area	75	70
				B. Commercial Area	65	55
				C. Residential Area	55	45
				D. Silence Zone	50	40

****End of Report****

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.

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Authorized Signatory

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Annexure - 9

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit - Sugar, Vill- Kundarkhi,
District- Gona (U.P), India

Report Code : W-250923-050
ULR No. : TC6814230000018105 F
Test Report of : Water
Service Request No : NTL/SRF/09/23-010
Service Request Date : 22/09/2023
Report Issue Date : 30/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 23/09/2023
Sample Drawn By : NTL Representative
Analysis Duration : 25/09/2023 to 30/09/2023
Sample Quantity : 2.0 lit.
Sampling Location : Near Cooling Tower
Sample Description : Ground Water (Drinking Water)

S. No	Parameter	Unit	Test Method	Results	Limit (IS-10500:2012)	
					Desirable	Permissible
1	Colour	Hazen	IS:3025(P-04)	<5	5	15
2	Odour	-	IS:3025(P-05)	Agreeable	Agreeable	Agreeable
3	Taste	-	IS:3025(P-07 & 08)	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS:3025(P-10)	<1.0	1	5
5	pH	-	IS:3025(P-11)	7.60	6.5-8.5	No Relaxation
6	Total Hardness (as CaCO ₃)	mg/l	IS: 3025 (P- 23)	158.0	200	600
7	Iron (as Fe)	mg/l	IS: 3025(P-53)	0.126	0.3	No Relaxation
8	Chlorides (as Cl)	mg/l	IS: 3025 (P- 32)	38.2	250	1000
9	Fluoride (as F)	mg/l	IS: 3025 (P-60)	0.145	1	1.5
10	TDS	mg/l	IS-3025(P-16)	266	500	2000
11	Calcium(as Ca ²⁺)	mg/l	IS: 3025 (P- 40)	48.2	75	200
12	Magnesium (as Mg ²⁺)	mg/l	IS: 3025 (P-46)	8.60	30	100
13	Sulphate (as SO ₄)	mg/l	IS: 3025 (P- 24)	12.4	200	400
14	Nitrate(as NO ₃)	mg/l	IS: 3025 (P- 34)	1.55	45	No Relaxation
15	Lead (as Pb)	mg/l	IS-3025(P-47)	NIL	0.01	No Relaxation
16	Zinc (as Zn)	mg/l	IS: 3025 (P- 49)	BDL	5	15
17	Chromium (as Cr ⁶⁺)	mg/l	Annex J of IS-13428	BDL	0.05	No Relaxation
18	Pesticides	mg/l	Table 5	Nil	Nil	Nil
19	MNP of Coliform count/100ml	mg/l	IS: 3025 (P- 23)	Nil	Absent	10 max

BDL- Below detection limit.

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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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Sugar, Vill- Kundarkhi,
District- Gona (U.P), India

Report Code : W-250923-049
ULR No. : TC6814230000018104 F
Test Report of : Water
Service Request No : NTL/SRF/09/23-010
Service Request Date : 22/09/2023
Report Issue Date : 30/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 23/09/2023
Sample Drawn By : NTL Representative
Analysis Duration : 25/09/2023 to 30/09/2023
Sample Quantity : 2.0 lit.
Sampling Location : Bagasse Yard Area
Sample Description : Ground Water (Drinking Water)

S. No	Parameter	Unit	Test Method	Results	Limit (IS-10500:2012)	
					Desirable	Permissible
1	Colour	Hazen	IS:3025(P-04)	<5	5	15
2	Odour	-	IS:3025(P-05)	Agreeable	Agreeable	Agreeable
3	Taste	-	IS:3025(P-07 & 08)	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS:3025(P-10)	<1.0	1	5
5	pH	-	IS:3025(P-11)	7.32	6.5-8.5	No Relaxation
6	Total Hardness (as CaCO ₃)	mg/l	IS: 3025 (P- 23)	176.0	200	600
7	Iron (as Fe)	mg/l	IS: 3025(P-53)	0.121	0.3	No Relaxation
8	Chlorides (as Cl)	mg/l	IS: 3025 (P- 32)	28.0	250	1000
9	Fluoride (as F)	mg/l	IS: 3025 (P-60)	0.125	1	1.5
10	TDS	mg/l	IS-3025(P-16)	280	500	2000
11	Calcium(as Ca ²⁺)	mg/l	IS: 3025 (P- 40)	36.6	75	200
12	Magnesium (as Mg ²⁺)	mg/l	IS: 3025 (P-46)	12.0	30	100
13	Sulphate (as SO ₄)	mg/l	IS: 3025 (P- 24)	6.80	200	400
14	Nitrate(as NO ₃)	mg/l	IS: 3025 (P- 34)	1.25	45	No Relaxation
15	Lead (as Pb)	mg/l	IS-3025(P-47)	NIL	0.01	No Relaxation
16	Zinc (as Zn)	mg/l	IS: 3025 (P- 49)	BDL	5	15
17	Chromium (as Cr ⁶⁺)	mg/l	Annex J of IS-13428	BDL	0.05	No Relaxation
18	Pesticides	mg/l	Table 5	Nil	Nil	Nil
19	MNP of Coliform count/100ml	mg/l	IS: 3025 (P- 23)	Nil	Absent	10 max

BDL- Below detection limit.

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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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Sugar, Vill- Kundarkhi,
District– Gona (U.P), India

Report Code : W-250923-051
ULR No. : TC6814230000018106 F
Test Report of : Water
Service Request No : NTL/SRF/09/23-010
Service Request Date : 22/09/2023
Report Issue Date : 30/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 23/09/2023
Sample Drawn By : NTL Representative
Analysis Duration : 25/09/2023 to 30/09/2023
Sample Quantity : 2.0 lit.
Sampling Location : Near Admin Building
Sample Description : Ground Water (Drinking Water)

S. No	Parameter	Unit	Test Method	Results	Limit (IS-10500:2012)	
					Desirable	Permissible
1	Colour	Hazen	IS:3025(P-04)	<5	5	15
2	Odour	-	IS:3025(P-05)	Agreeable	Agreeable	Agreeable
3	Taste	-	IS:3025(P-07 & 08)	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS:3025(P-10)	<1.0	1	5
5	pH	-	IS:3025(P-11)	7.20	6.5-8.5	No Relaxation
6	Total Hardness (as CaCO ₃)	mg/l	IS: 3025 (P- 23)	168.0	200	600
7	Iron (as Fe)	mg/l	IS: 3025(P-53)	0.125	0.3	No Relaxation
8	Chlorides (as Cl)	mg/l	IS: 3025 (P- 32)	34.1	250	1000
9	Fluoride (as F)	mg/l	IS: 3025 (P-60)	0.128	1	1.5
10	TDS	mg/l	IS-3025(P-16)	270	500	2000
11	Calcium(as Ca ²⁺)	mg/l	IS: 3025 (P- 40)	35.6	75	200
12	Magnesium (as Mg ²⁺)	mg/l	IS: 3025 (P-46)	12.40	30	100
13	Sulphate (as SO ₄)	mg/l	IS: 3025 (P- 24)	8.20	200	400
14	Nitrate(as NO ₃)	mg/l	IS: 3025 (P- 34)	1.40	45	No Relaxation
15	Lead (as Pb)	mg/l	IS-3025(P-47)	NIL	0.01	No Relaxation
16	Zinc (as Zn)	mg/l	IS: 3025 (P- 49)	BDL	5	15
17	Chromium (as Cr ⁶⁺)	mg/l	Annex J of IS-13428	BDL	0.05	No Relaxation
18	Pesticides	mg/l	Table 5	Nil	Nil	Nil
19	MNP of Coliform count/100ml	mg/l	IS: 3025 (P- 23)	Nil	Absent	10 max

BDL- Below detection limit.

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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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit - Sugar, Vill- Kundarkhi,
District- Gona (U.P), India

Report Code : W-250923-052
ULR No. : TC6814230000018107 F
Test Report of : Water
Service Request No : NTL/SRF/09/23-010
Service Request Date : 22/09/2023
Report Issue Date : 30/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 23/09/2023
Sample Drawn By : NTL Representative
Analysis Duration : 25/09/2023 to 30/09/2023
Sample Quantity : 2.0 lit.
Sampling Location : Near Sales Office
Sample Description : Ground Water (Drinking Water)

S. No	Parameter	Unit	Test Method	Results	Limit (IS-10500:2012)	
					Desirable	Permissible
1	Colour	Hazen	IS:3025(P-04)	<5	5	15
2	Odour	-	IS:3025(P-05)	Agreeable	Agreeable	Agreeable
3	Taste	-	IS:3025(P-07 & 08)	Agreeable	Agreeable	Agreeable
4	Turbidity	NTU	IS:3025(P-10)	<1.0	1	5
5	pH	-	IS:3025(P-11)	7.80	6.5-8.5	No Relaxation
6	Total Hardness (as CaCO ₃)	mg/l	IS: 3025 (P- 23)	166.0	200	600
7	Iron (as Fe)	mg/l	IS: 3025(P-53)	0.124	0.3	No Relaxation
8	Chlorides (as Cl)	mg/l	IS: 3025 (P- 32)	34.0	250	1000
9	Fluoride (as F)	mg/l	IS: 3025 (P-60)	0.136	1	1.5
10	TDS	mg/l	IS-3025(P-16)	225	500	2000
11	Calcium(as Ca ²⁺)	mg/l	IS: 3025 (P- 40)	40.8	75	200
12	Magnesium (as Mg ²⁺)	mg/l	IS: 3025 (P-46)	12.6	30	100
13	Sulphate (as SO ₄)	mg/l	IS: 3025 (P- 24)	23.8	200	400
14	Nitrate(as NO ₃)	mg/l	IS: 3025 (P- 34)	1.60	45	No Relaxation
15	Lead (as Pb)	mg/l	IS-3025(P-47)	NIL	0.01	No Relaxation
16	Zinc (as Zn)	mg/l	IS: 3025 (P- 49)	BDL	5	15
17	Chromium (as Cr ⁶⁺)	mg/l	Annex J of IS-13428	BDL	0.05	No Relaxation
18	Pesticides	mg/l	Table 5	Nil	Nil	Nil
19	MNP of Coliform count/100ml	mg/l	IS: 3025 (P- 23)	Nil	Absent	10 max

BDL- Below detection limit.

Notes:

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CHECKED BY

AUTHORIZED SIGNATORY



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

Branch Office :

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TEST CERTIFICATE

Annexure - 10

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit - Sugar, Vill- Kundarkhi,
District- Gonda (U.P), India

Report Code : AAQ-250923-051
ULR No. : TC6814230000018106 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/09/23-010
Service Request Date : 22/09/2023
Report Issue Date : 30/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 23/09/2023 to 24/09/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : At the Roof of ETP (Station No. - 1)
Sampling Plan & Procedure : SOP-AAQ/08
Production of Industry with installed capacity : 15000 TCD & Power - 48 MW
Analysis Duration : 25/09/2023 to 30/09/2023
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 : North east to North 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	64.80	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	37.50	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	8.02	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	17.40	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	1.16	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.10	µg /m ³	1.0
7.	Nickel (as Ni)	APHA-AIR420	<20.00	ng /m ³	20.0
8.	Arsenic (as As)	APHA-AIR302	<5.00	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	32.00	µg /m ³	180.0
10.	Ammonia (as NH ₃)	IS:5182 Part-XXV	< 20.00	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.00	µg /m ³	5.0
12.	Benzo(a) Pyrine- Particulate phase only	IS:5182 Part-XII	< 1.00	µg /m ³	1.0

Notes:

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit - Sugar, Vill- Kundarkhi,
District- Gonda (U.P), India

Report Code : AAQ-250923-052
ULR No. : TC6814230000018107 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/09/23-010
Service Request Date : 22/09/2023
Report Issue Date : 30/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 23/09/2023 to 24/09/2023
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
Production of Industry with installed capacity : 15000 TCD & Power - 48 MW
Analysis Duration : 25/09/2023 to 30/09/2023
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 : North east to North 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	60.12	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	35.80	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	7.64	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	16.55	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	<1.15	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.10	µg /m ³	1.0
7.	Nickel (as Ni)	APHA-AIR420	<20.00	ng /m ³	20.0
8.	Arsenic (as As)	APHA-AIR302	<5.00	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	31.00	µg /m ³	180.0
10.	Ammonia (as N ³ I ₃)	IS:5182 Part-XXV	< 20.00	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.00	µg /m ³	5.0
12.	Benzo(α) Pyrine-Particulate phase only	IS:5182 Part-XII	< 1.00	µg /m ³	1.0

Notes:

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TEST CERTIFICATE

Issued To: M/s Bajaj Hindusthan Sugar Ltd.

Address: Unit – Sugar, Vill- Kundarkhi,
District– Gonda (U.P), India

Report Code : AAQ-250923-053
ULR No. : TC6814230000018108 F
Test Report of : Ambient Air Quality
Service Request No : NTL/SRF/09/23-010
Service Request Date : 22/09/2023
Report Issue Date : 30/09/2023

SAMPLING & ANALYSIS DATA

Sample Drawn On : 23/09/2023 to 24/09/2023
Sample Drawn By : NTL Representative
Sample description : Ambient Air
Sampling Location : Near MDF plant "East boundary site" (Station No. – 3)
Sampling Plan & Procedure : SOP-AAQ/08
Production of Industry with installed capacity : 15000 TCD & COGEN – 48 MW
Analysis Duration : 25/09/2023 to 30/09/2023
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 : North east to North 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	61.45	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	IS:5182 Part-XXIV	35.20	µg /m ³	60
3.	Sulphur dioxide (as SO ₂)	IS:5182 Part-II	7.10	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	16.89	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	<1.15	mg/m ³	4.0
6.	Lead (as Pb)	IS:5182 Part-XXII	<0.10	µg /m ³	1.0
7.	Nickel (as Ni)	APHA-AIR420	<20.00	ng /m ³	20.0
8.	Arsenic (as As)	APHA-AIR302	<5.00	ng /m ³	6.0
9.	Ozone (as O ₃)	IS:5182 Part-IX	32.40	µg /m ³	180.0
10.	Ammonia (as NH ₃)	IS:5182 Part-XXV	< 20.00	µg /m ³	400.0
11.	Benzene (as C ₆ H ₆)	IS:5182 Part-XI	< 1.00	µg /m ³	5.0
12.	Benzo(α) Pyrene-Particulate phase only	IS:5182 Part-XII	< 1.00	µg /m ³	1.0

Notes:

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Annexure 11**LAB EQUIPMENTS**

SN	Parameter	Name of Instrument	Quantity
1	pH	PH Meter	1
2	BOD	BOD incubator	1
3	Distilled water	Glass distillation apparatus	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
13	Sox , Nox, Nitrate Nitrite	Spectrophotometer	1
14	Preservation of sample & chemical solution	Refrigerator.	1
15	TSS, TDS & Chemical Solution Preparation	E. Balance	1
16	Sample of stack emission	Stack Monitoring Kit	1
18	Monitoring of Noise level	Digital sound level meter	1

Bajaj Hindusthan Sugar Ltd.
Village Kundarkhi
P.O. Govindpara
Distt. Gonda (U.P.) 271301


Bajaj Hindusthan Sugar Ltd ,Unit Kundarkhi				
Green Belt Development Details			Updated List Till 31.03.2023	
SI No	Name of Location	Tree Planted	Name of Main Species of Trees	Remarks
1	Main Gate Left Hand Side	8	Ficus,Amrud	
2	Divider Area	85	Bottle neck palm, ficus	
3	Main Gate Left Side Boundary till time office gate	55	Azadhrich Indica, neem, ficus, cizolium, amla, alumeria, sagoun	
4	Parking Stand	49	Alestonia, goldmohar	
5	Guest House Area	54	Alestonia, arica palm, zuniprius, aricapalm, ficusbenjamina, croton	
6	Time office area	18	Plumeria alba, alestonia, ficusbenjamina	
7	Divider Area time office to store	123	Royal Palm, ficus Benjamina	
8	Admin Area Left Side Lawn towards time office	21	Zunipius, ficus	
9	Admin Area front lawn	23	Royal Palm, ficus Benjamina	
10	Admin Area towards Molasses Tank	287	Ficus, cashira, royal palm, plumeria	
11	Near Weight Bridge	288	Sagwan, Changi, ficus	
12	Behind Store	104	Ashoka, Ficus, champa	
13	Near Boiling House	120	Ficus, champa, chajurina	
14	Behind Boiling House & 1 no godown	88	Sirius, arjun, changi, alestonia, neem, amrud, sagwan	
15	Between Boiling House & Fire Pump House	80	Arjun, sagwan, ashoka, amrud, ficus, clandria, arjun	
16	Infront of fire pump house	20	ficus	
17	Between Sulphur Godown & 2 no Godown	92	Alestonia, ficus	
18	Near Process Cooling Tower & 3 no godown	34	Ficus, ashoka, alestonia	
19	3 no godown periphery	115	Sagwan, Changi, ficus	
20	2 no godown periphery	163	Neem, ficus, royal palm, alestonia, ashoka	
21	Near Sales Office	44	Ficus, royal palm, neem, mango, mahogoni, ashoka	
22	Near Baggase Yard	65	Sagwan	
23	Lawn outside ETP	47	Ficus, Ashoka, sagwan	
24	Green Area Colony & Mandir	250	Ashoka, Ficus, champa	
25	Green Area Plants & Horticulture Cabin	450	Sagwan, mango, guava, perpeach	
26	Miyawaki Plot	550	Sagwan, Sheesham, Bailh, Sirsa, Kesia Semia	
27	Periphery of Baggasse Yard	1010	Sagwan	
28	Near Gate Area	1410	Ficus, Amrud, Eucalyptus, Neem, Mango, Sirsa, Kesia Semia	
29	Near Lagoon Area	850	Bottle neck palm, ficus, Ashoka, Sagwan, Jamun, Arjun, Azadhrich Indica, Krunch	
	Total	6503		

Bajaj Hindusthan Sugar Ltd.
 Village Kundarkhi
 P.O. Govindpara
 Distt. Gonda (U.P.) 271301

COST DETAILS OF ENVIRONMENT MANAGEMENT

Bajaj Hindusthan Sugar Ltd.
Unit: Kundarkhi, Gonda
Capacity: 15000 TCD & 48 MW

SN	Details	Rs. in Crores
1	Effluent Treatment Plant	2.6
2	Wet Scrubber	2.75
3	Zero Discharge projects	0.25
4	Solid waste management	0.1
5	Green belt development	0.02
6	Environmental Lab equipments	0.035
7	Third Party Monitoring	0.006
8	Piezometer	0.1
9	Other	0.25
10.	Sulphate Removal System	0.90
	Total cost in Crores	7.01

Bajaj Hindusthan Sugar Ltd.
 Village Kundarkhi
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