

Ref:-BHSL/MQR/Sugar/EHS/2023/247**Date: 26.10.2023**

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 10000 TCD Sugar Unit of M/s Bajaj Hindusthan Sugar Limited at Maqsoodapur, Distt. Shahjahanpur (U.P.)

**Ref.No. MOEF, New Delhi Letter No:J-11011/8/2007-IA.II (I) DT: 31/07/2007
Period of Compliance Report: (01 April 2023 to 30 September 2023)**

Respected Sir,

With Reference to captioned subject, we hereby clarify the point wise action taken by us for the compliance of the specific & general conditions stipulated under environmental clearance granted to us .The point wise status compliance are as under:

<u>S.No.</u>	<u>Details of Points</u>	<u>Present Status</u>
01	Data sheet Part-1	Enclosed herewith as annexure-1
02	Environmental Compliance	Enclosed herewith as annexure-2
03	Copy of Air consent	Enclosed herewith as annexure-3
04	Copy of Water consent	Enclosed herewith as annexure-4
05	Details of Water used /day Effluent generation etc.	Enclosed herewith as annexure-5
06	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	Ambient Air Quality report	Enclosed herewith as annexure-9
10	Ground water Quality report	Enclosed herewith as annexure-10

Bajaj Hindusthan Sugar Ltd.

Unit : Maqsoodapur (Banda-Bilsanda Road), Tehsil P. Bawan, Distt. Shahjahanpur - 242042 (U.P.)

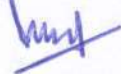
Regd. Office : Golagokarannath, Lakhimpur - Kheri, District Kheri, Uttar Pradesh - 262 802

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- | | | |
|----|---------------------------|----------------------------------|
| 11 | Details of lab. Equipment | Enclosed herewith as annexure-11 |
| 12 | Details of Green Belt | Enclosed herewith as annexure-12 |

We hope that we have clarified all the points as per your requirement. In case of further clarification /information, we will submit the same immediately
We once again assure your good self that the call of the environmental ownership continuous to be our focus round the clock

Thanking You,



Yours faithfully

For Bajaj Hindusthan Sugar Ltd.



Naikr...
Authorized Signatory
M/s Bajaj Hindusthan Sugar Ltd. - Maqsoodapur
Shahjahanpur.

Annexure -1

DATA SHEET

1	Project Type	Production of Sugar & Cogen
2	Name of the project	Bajaj Hindusthan Sugar Ltd. Vill- Maqsoodapur, Tehsil- Powayan, Distt. – Shahjahanpur (U.P.)
3	Clearance letter /OM No & Date:	MOEF No :J -11011 / 8 / 2007 - IA II (I) Dated 31-07-2007
4	Location:	
a	District (S)	Shahjahanpur
b	State	U.P.
c	Latitude / longitudes	27° N 58' / 79° E 36'
5	Address For the correspondence	
a	Address of concerned project chief (with pin code & telephone /Telex/fax numbers)	Bajaj Hindusthan Sugar Ltd. Vill- Maqsoodapur, Tehsil- Powayan Distt- Shahjahanpur Ph- 09719600470 Fax 05881-227376
b	Address of Executive project engineer (with pin code & telephone /Telex/fax numbers)	Bajaj Hindusthan Sugar Ltd. Vill- Maqsoodapur, Tehsil- Powayan Distt- Shahjahanpur Ph- 09719600470 Fax 05881-227376
6	Salient Features	
a	Of the Project	Bajaj Hindusthan Sugar Ltd had installed a Sugar plant at Maqsoodapur District –Shahjahanpur (U.P), which produces crystal sugar and power .The capacity of the plant is 10000 TCD
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. Installed Wet scrubber with 65 meter chimney height.
7	Break up the project area	
a	Submergence area (forest & Non forest)	Total 43.80 ha 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	Not Applicable
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.	
9	Financial details	
a	Project Cost as originally planned subsequent revised estimates and year of price reference	Rs 180.0 Crores
b	Allocations made for environment managements plans, with –item wise and year-wise break up.	Rs 12.60 Crores
c	Benefit cost ratio/ internal rate of return and the year of assessment.	We have invested
d	Whether (c) include the cost of environmental Management as shown in (b) above	We have invested
e	Actual expenditure incurred on the project so far.	We have invested
10	Forest land requirement	
a	The status of approval for a diversion of forest land for forest use	NA
b	The status of Compensatory aorestation, 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)	11-12-2007
13	Reasons for the delay if project is yet to start	NA
14	Environment clearance condition wise compliance report.	Enclosed as annexure 2



Signature with seal

Annexure -2

The Point wise action taken by us for the compliance of the specific condition and general conditions as stipulated in the above letter no **MOEF, New Delhi Letter No:J-11011/8/2007-IA.II (I) Dt :31/07/2007** and it is also to inform you that our plant is working under commercial production for which we have obtained Air & Water Consent from U.P.P.C.B..Please find below the desired information

- | | |
|------------------------------------|--|
| 1. Name & Address of Nodal Office: | Mr. Rambir Khokar V.P. (Unit Head)
Zonal Head Operations (EZ)
Bajaj Hindusthan Sugar Ltd
Vill-Maqsoodapur, Tehsil Powayan,
District Shahjahanpur |
| 2. Name & Address of the Local: | Mr. Rambir Khokar V.P. (Unit Head)
Zonal Head Operations (EZ)
Bajaj Hindusthan Sugar Ltd
Vill-Maqsoodapur, Tehsil Puwayan,
District Shahjahanpur |
| 3. A copy of EIA/EMP | A copy of EIA has already been
Submitted |
| 4. Present Status of the project: | Under commercial production as per
Consent received from U.P.P.C.B |

Sub.: Compliance report of Environmental Clearance No J -11011/8/2006-IA II (I) dated 31.07.2007 issued for installation of 10,000 TCD new Sugar and 21 MW Cogeneration plant at BHL, Village- Maqsoodapur, Tehsil- Powayan, District- Shahjahanpur.

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

Sl. N.	SPECIFIC CONDITION	
	Details	Action Details
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 emissions will be less than 100mg/nm ³ .The exhaust steam from the boilers will be used for the process	A stack of 65 meters height has been provided to keep SPM well below 100mg/nm ³ .The chimney for the DG set is also provided as prescribed. The exhaust from the boilers is 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 10,000 KLD and shall be met from the ground water	Water requirement of 10,000 KLD is being met from the ground water

	through tube well. Permission shall be obtained from Competent Authority for drawl of ground water.	through tube well. Permission from the Uttar Pradesh Ground Water Board for drawl of water has been taken. Letter is enclosed for reference.
4.	The process and domestic effluents shall not exceed 1000 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.	The treated effluent is reused within the plant process & horticulture irrigation work as prescribed. No effluent is discharged outside the factory premises. Recent reports of treated effluent are enclosed as Annexure -5
5.	Molasses shall be stored in MS tanks or 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.	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 the Distillery unit. 300 MTPD of press mud shall be sent for bio-composting in the Distillery. 30 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.	We are strictly complying with the condition mentioned for Solid Waste Management.
7.	12.45 hectare will be developed as green belt all around the plant. The green belt will be as per CPCB guidelines in consultation with the local DFO	35% green belt has been developed around the plant premises .Details of green belt enclosed as annexure 12
Sl. N.	GENERAL CONDITION	
	Details	Action Details
1.	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 is carried out in and around the plant.
2.	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 SPCB. In case of failure of pollution control equipment, unit will be shut down till the control measures are rectified.
3.	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	Installation of piezometers, ground water quality monitoring stations has already been planned. Sampling and trend analysis monitoring report is submitted regularly.

	on monitoring and report submitted to SPCB and this Ministry.	
4.	CREP guidelines for sugar industries will be followed by the unit. The capacity of the lagoon will be used as per CPCB Guidelines	CREP Guidelines are being strictly being followed by the unit
5.	Company shall adopt rain water harvesting measures to recharge ground water	Rain Water Harvesting is not advisable as proposed industry does not fall in over exploited /critical area on ground water resource consideration and water table is below 8.0 fts only
6.	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.
7.	The project authorities must strictly adhere to the stipulation made by the concerned State Pollution Control Board and the State Government	Being adhered as per the stipulation made by UPPCB and State Government
8.	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and Forest	No expansion of the modification Job will be taken up without prior approval of MOEF
9.	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.
10.	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 has already been planned and enclosures is put to keep the ambient noise level below 75 dBA (day time and 70 dBA (night time).
11.	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.
12.	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 and monitoring is carried out on regular basis.
13.	The project authorities shall provide funds of Rupees 12.60 Crore as capital cost,for the environment protection measures and to implment the conditions stipulated by the Ministry Of Environment & Forest as well as the State Government shall be kept .Also the implementation Schedule for all the conditions stipulated herein shall be	We followed as desired

	submitted .The funds so provided shall not be diverted for any other purpose	
14.	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 is submitted to UPPCB/CPCB/MoEF and is also be made available on the Website.
15.	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 is enclosed.
16.	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.	Financial closure will be informed after completion of project activities.





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. -
142591/UPPCB/Bareilly(UPPCBRO)/CTO/air/SHAHJAHANPUR
/2021

Dated : 27/12/2021

To ,

Shri RAMBIR KHOKAR
M/s BAJAJ HINDUSTHAN SUGAR LIMITED SUGAR UNIT MAQSOODPUR
Bajaj Hindusthan Sugar Ltd, Unit Maksoodpur, Tehsil Pawayn, District Shahjahanpur,
UP,SHAHJAHANPUR,242042
SHAHJAHANPUR

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 SUGAR UNIT MAQSOODPUR

Reference Application No. 14144236

Dated : 27/12/2021

1. With reference to the application for consent for emission of air pollutants from the plant of M/s BAJAJ HINDUSTHAN SUGAR LIMITED SUGAR UNIT MAQSOODPUR. 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 (Previntion and Controt of Pollution) Act, 1981 as amended.

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

**NISHI
KUMAR
CHAUHAN**

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

Chief Environment Officer

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

Copy to: Regional Officer Bareilly to ensure the compliance of the conditions imposed in the consent order.

**NISHI
KUMAR
CHAUHAN**
Chief Environment Officer

U.P. Pollution Control Board

Dated : 27/12/2021

CONDITIONS OF CONSENT

1. This consent is valid for the approved production capacity of cane crushing Cane Crushing Capacity of 10000 TCD and 21 MW per day co-generation power plant .
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	Boiler-90 TPH and 90 TPH	Bagasse 1530 TPD	01	Particulate Matter	Individual wet scrubber and common stack height of 65 meter from ground level at the 02 boilers of 90 TPH each
2	DG 1000 KVA, 500 KVA and 320KVA	Diesel - 200 LPH	02	Particulate Matter	Stack Height 6 meter, 4 meter and 3.4 meter above from the roof of nearest building

- 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	01	Particulate Matter	150mg/Nm3
2	02	Particulate Matter	As per E(P)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 confirms 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-Guide_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 to operate is valid for production Sugar and cane crushing capacity of 10000 TCD and 21 MW per day co-generation power.
2. Unit shall operate and maintain the APCS i.e. Individual wet scrubber and common Stack height of 65 meter from ground level at the 02 boilers of 90 TPH each.
3. DG sets of 1000 KVA, 500 KVA and 320 KVA shall be equipped with canopy and stack height of 6 meter, 4.4 meter and 3.6 meter above the roof of nearest building.
4. Unit shall operate and maintain the installed online emission monitoring system and ensure connectivity to the server of UPPCB.
5. Unit shall use Bio-briquette as co-fuel with main fuel in the ratio of minimum 20 percent in boiler subject to its availability.
6. Unit shall develop Green Belt in minimum 33 percent area of Industrial Premises as per the provisions laid down in office order no. H16405/220/2018/02 dated 16-02-2018 of U.P. Pollution Control Board. The copy of said office order is available on the website of U.P. Pollution Control Board www.uppcb.com.
7. 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 conform to the standards under the Environment (Protection) Act 1986.
8. Fly ash shall be stored separately as per CPCB guidelines so that it should not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with storm water . Direct exposure of workers to fly ash & dust shall be avoided.
9. Unit shall comply the provisions of Water (Prevention and Control of Pollution) Act 1974 as Amended, Air (Prevention and Control of Pollution) Act 1981 as Amended and Environment (Protection) Act 1986, and direction issued by Hon'ble National Green Tribunal, New Delhi in Order dated 13.07.2017 in OA no. 200/2014, M.C. Mehta v/s Union of India.
10. Unit shall submit emission monitoring report of the stack of air polluting sources done by MoEF & CC approved laboratory in every 3 months.
11. Unit shall provide Hazardous tank in the Boiling house.
12. The Unit shall maintain the log-book for the generation and disposal of ETP sludge, Boiler Ash and other solid wastes.
13. This Consent order shall automatically become invalid on issuance of Closure Order by C.P.C.B / UPPCB and further on Revoking of Closure order, the Consent order shall become valid.

Issued with the permission of competent authority .

**NISHI
KUMAR
CHAUHAN**

Digitally signed by NISHI KUMAR CHAUHAN
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Reason: I am the author of this document
Date: 2023.07.27 12:30:24
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For and on behalf of U.P. Pollution Control Board .

Chief Environment Officer



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. - 142855/UPPCB/Bareilly(UPPCBRO)/CTO/water/SHAHJAHANPUR /2021

Dated : 24/12/2021

To ,

Shri RAMBIR KHOKAR
M/s BAJAJ HINDUSTHAN SUGAR LIMITED SUGAR UNIT MAQSOODPUR
Bajaj Hindusthan Sugar Ltd, Unit Maksoodpur, Tehsil Pawayn, District Shahjahanpur,
UP,SHAHJAHANPUR,242042
SHAHJAHANPUR

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 SUGAR UNIT MAQSOODPUR

Reference Application No :14177328

Dated :24/12/2021

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 SUGAR UNIT MAQSOODPUR 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 tank/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 .

NISHI KUMAR CHAUHAN
Digitally signed by NISHI KUMAR CHAUHAN
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Date: 2021.12.24 11:05:15 +05'30'

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

Chief Environment Officer

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

Copy to: Regional Officer Bareilly to ensure the compliance of the conditions imposed in the consent order.

NISHI KUMAR CHAUHAN
Digitally signed by NISHI KUMAR CHAUHAN
DN: cn=NISHI KUMAR CHAUHAN, o=UPPCB, ou=UPPCB, email=Nishi.Kumar@uppcb.com, c=IN
Date: 2021.12.24 11:05:15 +05'30'

Chief Environment Officer

U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s.BAJAJ HINDUSTHAN SUGAR LIMITED SUGAR UNIT MAQSOODPUR vide

Consent Order No. 14177328/ Water

Dated : 24/12/2021

CONDITIONS OF CONSENT

1. This consent is valid for the approved production capacity of Cane Crushing Capacity of 10000 TCD and 21 MW per day co-generation power plant .
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	Septic Tank
2	Industrial	Industrial effluent quantity shall be restricted to 1000 KLD and Cooling Tower blow down shall be restricted to 1000 KLD, only 1 outlet is allowed	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	100mg/l
2	BOD	30mg/l
3	COD	250mg/l
4	Oil & Grease	10mg/l
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	COD	250mg/l
2	Oil & Grease	10mg/l
3	Quantity of Discharge	Industrial effluent quantity shall be restricted to 1000 KLD and Cooling Tower blow down shall be restricted to 1000 KLD, only 1 outlet is allowed
4	BOD	100mg/l (for discharge in on land for irrigation), 30mg/l (for discharge in surface water body)
5	Total Suspended Solids	100mg/l (for discharge in on land for irrigation), 30mg/l (for discharge in surface water body)

4(c) Loading Rates for different soil textures.

S.No	Soil Texture	Loading rate in m³/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 to Operate is valid for production Sugar at Cane crushing capacity of 10000 TCD and 21 MW per day co-generation power.
2. Industrial effluent quantity shall be restricted to 1000 KLD and Cooling Tower blow down shall be restricted to 1000 KLD in compliance of notification no G.S.R.35(E) dated 15.01.2016 of MoEF&CC.
3. Unit shall identify recipient drains/ rivulets and their u/s & d/s location in consultation with UPPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (Protection) Act, 1986 and shall submit the analysis report on monthly basis by 10th of every month to CPCB and UPPCB.
4. Unit shall operate and maintain the installed electromagnetic flow meter at water source and outlet of ETP with running hours and maintain the records of water extracted and treated effluent supplied to irrigation or discharge in drain.
5. Unit shall maintain and operate properly the installed online effluent monitoring system at the outlet of ETP and ensure the connectivity to the servers of CPCB and UPPCB.
6. Unit shall develop Green Belt in minimum 33 percent area of Industrial Premises as per the provisions laid down in office order no. H16405/220/2018/02 dated 16-02-2018 of U.P. Pollution Control Board. The copy of said office order is available on the website of U.P. Pollution Control Board www.uppcb.com.
7. Unit shall comply the provisions of Water (Prevention and Control of Pollution) Act 1974 as Amended, Air (Prevention and Control of Pollution) Act 1981 as Amended and Environment (Protection) Act 1986, and direction issued by Hon'ble National Green Tribunal, New Delhi in Order dated 13.07.2017 in OA no. 200/2014, M.C. Mehta v/s Union of India.
8. Unit shall submit treated effluent monitoring report of the ETP and ground water quality of premises as well as of the irrigated area done by MoEF & CC approved laboratory in every 3 months.
9. Unit shall install flow meters at Mill Fibrizer, Mescuite cooling and RO reject and submit the compliance with authentic data and records thereof.
10. Unit shall provide Hazardous tank in the Boiling house.
11. Unit shall provide lagoon (for storage of treated effluent) properly lined to prevent leaching/contamination of ground water.
12. The Unit shall install Condensate Polishing Unit (CPU) for high pressure boilers (105 Kg/cm²).
13. The mechanical sludge dewatering/handling system for better management of wet sludge shall be provided by the Unit.
14. The Unit shall maintain the log-book for the generation and disposal of ETP sludge, Boiler Ash and other solid wastes.
15. The Unit shall explore the possibility of maximum utilization of treated effluent in different process.
16. Domestic waste water (sewage) generated within the premises and colony shall be discharged after proper treatment. The Unit shall install Sewage Treatment Plant (STP) for the treatment of Sewage.
17. The Unit shall install flow meters at power turbine cooling, boiler, wet scrubber, B & C Masecuite cooling.
18. The Unit shall maintain logbook for daily effluent generation and treatment, disposal of ETP sludge, Boiler ash and other solid wastes.
19. This Consent order shall automatically become invalid on issuance of Closure Order by C.P.C.B / UPPCB and further on Revoking of Closure order, the Consent order shall become valid.

Issued with the permission of competent authority .

**NISHI
KUMAR
CHAUHAN**



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

Chief Environment Officer

Annexure- 5

1. Water Consumption: (KL/Day)

- Industrial : 1000
- Domestic : 120

2. Effluent Generated : (KL/Day)

- Industrial : 800 Zero discharge
- Domestic : 70

3. Effluent Treated (KL/Day)

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

4. Effluent discharged : We are operating at Zero discharge



ENVIRONMENTAL MANAGEMENT CELL

Sr. No.	Name	Designation	Responsibility
1	Mr. Brajesh Kumar Srivastav	AVP (EHS)	Overall Responsible for Group Environment
2	Mr. Rambir Khokar	V.P. (Unit Head)	Overall control of the BHSL Maqsoodapur
3	Mr. Kuldeep Tyagi	DGM (Engg.)	Overall control of Engineering & Mechanical works
4	Mr. P. K. Gupta	Sr.GM (Production)	Overall control of the Production
5	Mohd. Farhan Shahid	Sr. Manager (HR)	Overall control of HR & Administration
6	Mr. Naveen Jha	Officer (EHS)	Responsible for the Control of Environment Health & Safety
9	Dr. G K Sriwastava	Medical Officer	Responsible for Occupational health.
10	Mr. Gyan Prakash Sharma	Security Head	In-charge of Security & Fire





ITS TESTING LABORATORY (P) LTD.

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MOEF & CC (Ministry of Environment Forest & Climate Change)

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TC-11181

TEST REPORT

BOILER Flue Gas Analysis

Report Code: SE-061023-12 Issue Date: 12/10/2023
Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)
Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR
UTTAR PRADESH - 242401

SAMPLING & ANALYSIS DATA

Sample Description	Boiler Stack Emission
Date Of Monitoring	05/10/2023
Sample Drawn By	ITS Lab Representative
Production Capacity of Plant	15000 TCD & COGEN-48 MW
Unique Identification No.	Boiler
Source of Emission	Stack Attached to Boiler 1 & 2 (90 TPH Each)
Ambient Temperature (°C)	30
Flue Gas Temperature(°C)	153
Type of Stack	RCC
Stack Dia (meter)	2.5
Stack Height From Ground Level (meter)	65
Sampling Height (meter)	As per Standard
Type of Fuel Used	Bagasse
Average Consumption /Hrs	60 THP in both the Boiler
Average Velocity of Flue Emission (meter/second)	11.2
Parameters to be tested	As per EPA Act-1986/CPCB/MoEF Guideline
Test Method used for Monitoring	APHA-AIR/US EPA-AIR/IS:11255
Instrument Used for monitoring	Stack Kit/ Flue Gas Analyzer
Sampling Time (Minutes)	45
Analysis Duration	06/10/2023 to 12/10/2023
Pollution Control Device If, Any	Wet Scrubber
Quantity of Emission (Nm3/hr)	142256.72

ANALYSIS TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Emission limits Boiler (max)
1.	Particulate Matter (PM)	IS:11255(Part-1)	110	mg/Nm ³	150
2.	Sulphur dioxide (as SO ₂)	IS:11255(Part-2)	18.10	mg/Nm ³	Not Specified
3.	Nitrogen dioxide (as NO ₂)	IS:11255(Part-7)	65.2	mg/Nm ³	Not Specified
3.	Carbon monoxide (as CO)	USEPA-Method No-10	0.006	% by Volume	1%

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TEST REPORT

Noise Analysis

Report Code: N-061023-12	Issue Date: 12/10/2023
Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)	
Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR UTTAR PRADESH - 242401	

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Noise (24 Hrs.)
Sample Drawn On	05/10/2023
Sample Drawn By	ITS Lab Representative
Sampling Location	Centrifuge Area
Date of Sample Received	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSIS TEST RESULTS

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)	71.2	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
2.	EQUIVALENT NOISE LEVEL (10.0 PM To 6.0 AM)	52.1	dB(A)	Residential Area	55	45
				Silence Zone	50	40

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TEST REPORT

Noise Analysis

Report Code: N-061023-11 Issue Date: 12/10/2023
Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)
Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR
UTTAR PRADESH - 242401

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Noise (24 Hrs.)
Sample Drawn On	05/10/2023
Sample Drawn By	ITS Lab Representative
Sampling Location	Near-Sugar Bagging House
Date of Sample Received	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSI TEST RESULTS

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)	68.2	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
				Residential Area	55	45
2.	EQUIVALENT NOISE LEVEL (10.0 PM To 6.0 AM)	59.2	dB(A)	Silence Zone	50	40



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TEST REPORT

Noise Analysis

Report Code: N-061023-10 Issue Date: 12/10/2023
Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)
Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR
UTTAR PRADESH - 242401

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Noise (24 Hrs.)
Sample Drawn On	05/10/2023
Sample Drawn By	ITS Lab Representative
Sampling Location	Near-Turbine Area
Date of Sample Received	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSI TEST RESULTS

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)	68.3	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
2.	EQUIVALENT NOISE LEVEL (10.0 PM To 6.0 AM)	49.2	dB(A)	Residential Area	55	45
				Silence Zone	50	40

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TEST REPORT

Noise Analysis

Report Code:	N-061023-09	Issue Date:	12/10/2023
Issue To:	M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)		
Address:	VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR UTTAR PRADESH - 242401		

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Noise (24 Hrs.)
Sample Drawn On	05/10/2023
Sample Drawn By	ITS Lab Representative
Sampling Location	Mill House
Date of Sample Received	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSIS TEST RESULTS

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)	67.3	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
2.	EQUIVALENT NOISE LEVEL (10.0 PM To 6.0 AM)	49.1	dB(A)	Residential Area	55	45
				Silence Zone	50	40

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TEST REPORT

Noise Analysis

Report Code: N-061023-08 Issue Date: 12/10/2023
Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)
Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR
UTTAR PRADESH - 242401

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Noise (24 Hrs.)
Sample Drawn On	05/10/2023
Sample Drawn By	ITS Lab Representative
Sampling Location	Admin Block
Date of Sample Received	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSI TEST RESULTS

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)	64.7	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
2.	EQUIVALENT NOISE LEVEL (10.0 PM To 6.0 AM)	45.3	dB(A)	Residential Area	55	45
				Silence Zone	50	40

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TEST REPORT

Noise Analysis

Report Code: N-061023-07

Issue Date: 12/10/2023

Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)

Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR
UTTAR PRADESH - 242401

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Noise (24 Hrs.)
Sample Drawn On	05/10/2023
Sample Drawn By	ITS Lab Representative
Sampling Location	Factory Main Gate
Date of Sample Received	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSI TEST RESULTS

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)	65.9	dB(A)	Industrial Area	75	70
				Commercial Area	65	55
2.	EQUIVALENT NOISE LEVEL (10.0 PM To 6.0 AM)	48.7	dB(A)	Residential Area	55	45
				Silence Zone	50	40

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Noida
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TEST REPORT

Ambient Air Quality Analysis

Report Code:	AAQ-061023-06	Issue Date:	12/10/2023
Issue To:	M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)		
Address:	VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR UTTAR PRADESH - 242401		

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Air
Date of Sampling	05/10/2023
Sample Drawn By	ITS LAB Representative (ITS)
Protocol Used for Sampling	IS:5182 & CPCP Guideline
Sampling Location	At Maqsoodapur Village
Sampling Instrument Used	Respirable Dust Sampler & Fine Dust Sample along with gaseous Attachment
Ambient Temperature & Humidity during sampling	32°C & 68%
Weather Condition	Clear Sky
Sample Received Date	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSIS TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	68.2	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1	42.8	µg /m ³	60
3.	Sulphur dioxide (as So ₂)	IS:5182 Part-II	8.5	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	15.9	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	<1.15	mg/m ³	4.0

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TEST REPORT

Ambient Air Quality Analysis

Report Code: AAQ-061023-05 Issue Date: 12/10/2023
Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)
Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR
UTTAR PRADESH - 242401

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Air
Date of Sampling	05/10/2023
Sample Drawn By	ITS LAB Representative (ITS)
Protocol Used for Sampling	IS:5182 & CPCP Guideline
Sampling Location	At Bhamipur Village
Sampling Instrument Used	Respirable Dust Sampler & Fine Dust Sample along with gaseous Attachment
Ambient Temperature & Humidity during sampling	32°C & 68%
Weather Condition	Clear Sky
Sample Received Date	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSIS TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	71.2	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1	44.0	µg /m ³	60
3.	Sulphur dioxide (as So ₂)	IS:5182 Part-II	9.2	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	17.2	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	<1.15	mg/m ³	4.0

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Authorized Signatory

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TEST REPORT

Ambient Air Quality Analysis

Report Code:	AAQ-061023-04	Issue Date:	12/10/2023
Issue To:	M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)		
Address:	VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR UTTAR PRADESH - 242401		

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Air
Date of Sampling	05/10/2023
Sample Drawn By	ITS LAB Representative (ITS)
Protocol Used for Sampling	IS:5182 & CPCP Guideline
Sampling Location	At Cane Yard Area
Sampling Instrument Used	Respirable Dust Sampler & Fine Dust Sample along with gaseous Attachment
Ambient Temperature & Humidity during sampling	32°C & 68%
Weather Condition	Clear Sky
Sample Received Date	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSIS TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	72.3	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1	44.1	µg/m ³	60
3.	Sulphur dioxide (as So ₂)	IS:5182 Part-II	9.1	µg/m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	16.09	µg/m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	<1.15	mg/m ³	4.0

Checked by

Authorized Signatory

ITS TESTING LABORATORY (P) LTD.
Control Manager

Terms & Conditions :

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MOEF & CC (Ministry of Environment Forest & Climate Change)

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TEST REPORT

Ambient Air Quality Analysis

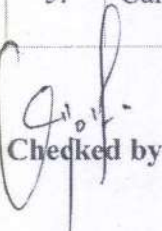
Report Code: AAQ-061023-03	Issue Date: 12/10/2023
Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)	
Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR UTTAR PRADESH - 242401	

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Air
Date of Sampling	05/10/2023
Sample Drawn By	ITS LAB Representative (ITS)
Protocol Used for Sampling	IS:5182 & CPCP Guideline
Sampling Location	At the Roof of Guest House
Sampling Instrument Used	Respirable Dust Sampler & Fine Dust Sample along with gaseous Attachment
Ambient Temperature & Humidity during sampling	32°C & 68%
Weather Condition	Clear Sky
Sample Received Date	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSIS TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	74.3	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1	46.2	µg /m ³	60
3.	Sulphur dioxide (as So ₂)	IS:5182 Part-II	9.7	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	16.9	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	<1.15	mg/m ³	4.0


Checked by


Authorized Signatory

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TEST REPORT

Ambient Air Quality Analysis

Report Code:	AAQ-061023-02	Issue Date:	12/10/2023
Issue To:	M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)		
Address:	VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR UTTAR PRADESH - 242401		

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Air
Date of Sampling	05/10/2023
Sample Drawn By	ITS LAB Representative (ITS)
Protocol Used for Sampling	IS:5182 & CPCP Guideline
Sampling Location	At the Roof of Admin Office
Sampling Instrument Used	Respirable Dust Sampler & Fine Dust Sample along with gaseous Attachment
Ambient Temperature & Humidity during sampling	32°C & 68%
Weather Condition	Clear Sky
Sample Received Date	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSIS TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	74.0	µg/m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1	46.0	µg/m ³	60
3.	Sulphur dioxide (as So ₂)	IS:5182 Part-II	9.2	µg/m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	18.02	µg/m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	<1.15	mg/m ³	4.0

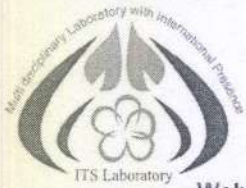
Checked by

Authorized Signatory

Technical Manager

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TEST REPORT

Ambient Air Quality Analysis

Report Code:	AAQ-061023-01	Issue Date:	12/10/2023
Issue To:	M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)		
Address	VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR UTTAR PRADESH - 242401		

SAMPLING & ANALYSIS DATA

Sample Description	Ambient Air
Date of Sampling	05/10/2023
Sample Drawn By	ITS LAB Representative (ITS)
Protocol Used for Sampling	IS:5182 & CPCP Guideline
Sampling Location	At the Roof of ETP
Sampling Instrument Used	Respirable Dust Sampler & Fine Dust Sample along with gaseous Attachment
Ambient Temperature & Humidity during sampling	32°C & 68%
Weather Condition	Clear Sky
Sample Received Date	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

ANALYSIS TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	80.0	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume – 1	48.0	µg /m ³	60
3.	Sulphur dioxide (as So ₂)	IS:5182 Part-II	10.43	µg /m ³	80
4.	Nitrogen dioxide (as NO ₂)	IS:5182 Part-VI	18.9	µg /m ³	80
5.	Carbon monoxide (as CO)	IS:5182 Part-X	<1.15	mg/m ³	4.0

Checked by

Authorized Signatory

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TEST REPORT

Contd. from report Code W-061023-13 (Page 1 of 3)

Water Analysis

Report Code: W-061023-13 Issue Date: 12/10/2023
 Issue To: M/S. BAJAJ HINDUSTHAN SUGAR LTD. (SUGAR UNIT)
 Address: VILL- MAQSOODPUR, TEHSIL PAWAYAN, DIST SHAHJAHAPUR
 UTTAR PRADESH - 242401

SAMPLING & ANALYSIS DATA

Sample Description	Drinking Water
Sample Drawn On	06/10/2023
Sample Drawn By	Mr. Amit Sharma (ITS Laboratory)
Sampling Location	-
Sample Quantity & Packing	2.0 litre in Pet Bottle for Chemical Testing & 500 ml Sterilized Glass Bottle for microbiological Testing
Sample Received On	06/10/2023
Analysis Duration	06/10/2023 to 12/10/2023

TEST RESULTS

ORGANOLEPTIC & PHYSICAL PARAMETERS

S.NO.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Colour	IS-3025(P-04)	<1.0	Hazen Unit	5	15
2.	Odour	IS-3025(P-05)	Agreeable	-	Agreeable	Agreeable
3.	Taste	IS-3025(P-07 & 08)	Agreeable	-	Agreeable	-
4.	Turbidity	IS-3025(P-10)	<1.0	NTU	1	5
5.	pH value	IS-3025(P-04)	7.18	-	6.5-8.5	-
6.	Total dissolve solid (TDS)	IS-3025(P-16)	102	mg/l	500	2000



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GENERAL PARAMETERS CONCERNING SUBSTANCES UNDESIRABLE IN EXCESSIVE AMOUNTS

S.NO.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Aluminum (as Al)	IS: 3025 (P- 55)	<0.01	mg/l	0.03	0.2
2.	Total Ammonia	IS: 3025 (P- 34)	<0.1	mg/l	0.5	No Relaxation
3.	Anionic surface Detergents(as MBAS)	APHA-23 rd edit	<0.1	mg/l	0.2	1.0
4.	Barium (as Ba)	IS: 15302	<0.1	mg/l	0.7	No Relaxation
5.	Boron (as B)	IS: 3025 (P- 57)	<0.1	mg/l	0.5	1.0
6.	Calcium (as Ca)	IS: 3025 (P- 40)	7.21	mg/l	75	200
7.	Chloramines (as Cl ₂)	IS: 3025 (P- 26)	<1.0	mg/l	4.0	No Relaxation
8.	Chloride (as Cl)	IS: 3025 (P- 32)	8.05	mg/l	250	1000
9.	Copper (as Cu)	IS : 3025 (P-42)	<0.05	mg/l	0.05	1.5
10.	Fluoride (as F)	IS: 3025 (P-60)	<0.1	mg/l	1.0	1.5
11.	Free Residual Chlorine	IS: 3025 (P-26)	<0.1	mg/l	0.2	1.0
12.	Iron (as Fe)	IS: 3025(P-53)	<0.05	mg/l	0.3	No Relaxation
13.	Magnesium (as Mg)	IS: 3025 (P-46)	3.40	mg/l	30	100
14.	Manganese (as Mn)	IS: 3025 (P-59)	<0.1	mg/l	0.1	0.3
15.	Mineral Oil	IS:3025 (P-39)	<0.5	mg/l	0.5	No Relaxation
16.	Nitrate (as NO ₃)	IS: 3025 (P- 34)	<1.0	mg/l	45	No Relaxation
17.	Selenium (as Se)	IS: 3025 (P- 56)	<0.01	mg/l	0.01	No Relaxation
18.	Silver (as Ag)	Annex J IS: 13428	<0.05	mg/l	0.1	No Relaxation
19.	Sulphate (as SO ₄)	IS: 3025 (P- 24)	<1.0	mg/l	200	400
20.	Sulphide(as H ₂ S)	IS-3025 (P-29)	<0.05	mg/l	0.05	No Relaxation
21.	Alkalinity (as Ca CO ₃)	IS: 3025 (P- 23)	36.0	mg/l	200	600
22.	Total Hardness (as CaCO ₃)	IS: 3025 (P- 23)	28.0	mg/l	200	600
23.	Zinc (as Zn)	IS: 3025 (P- 49)	<0.05	mg/l	5.0	15

Contd. from report Code W-270322-06 (Page 2 of 3)



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Contd. from report Code W-061023-13 (Page 3 of 3))

Parameters Concerning Toxic Substances:

S.NO.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Cadmium (as Cd)	IS-3025(P-41)	<0.001	mg/l	0.003	No Relaxation
2.	Cyanide (as CN)	IS-3025(P-27)	<0.01	mg/l	0.05	No Relaxation
3.	Lead (as Pb)	IS-3025(P-47)	<0.01	mg/l	0.01	No Relaxation
4.	Mercury (as Hg)	IS-3025(P-48)	<0.001	mg/l	0.001	No Relaxation
5.	Molybdenum (Mo)	IS-3025(P-2)	<0.05	mg/l	0.07	No Relaxation
6.	Nickel (as Ni)	IS-3025(P-54)	<0.01	mg/l	0.02	No Relaxation
7.	Poly nuclear Aromatic	APHA 6440	<0.0001	mg/l	0.0001	No Relaxation
8.	Poly chlorinated biphenyl	APHA 6630	<0.0001	mg/l	0.0005	No Relaxation
9.	Arsenic (as As)	IS-3025(P-37)	<0.01	mg/l	0.01	0.05
10.	Total Chromium (as Cr)	IS-3025(P-52)	<0.05	mg/l	0.05	No Relaxation

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AUTHORIZED SIGNATORY

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Annexure 11**LAB EQUIPMENTS**

Sr. No.	Parameter	Name of Instrument	Quantity
1	pH	PH Meter	1
2	BOD	BOD incubator	1
3.	Sulphate	Spectrophotometer	1
3	Distilled water	Glass distillation apparatus	1
4	TSS & TDS	Laboratory Electrical Oven	1
5	COD	COD distillation Unit	1
6	Oil & grease	Oil & grease apparatus	1
7	TSS TDS & Chemical Solution Preparation	E. Balance	1



Annexure 12

Bajaj Hindusthan Sugar Ltd. Maqsoodapur Plantation Report 2022-23

Sl. No.	Plant Name	Number	Year	Location	Survival
1	Champa	168	2022-23	Near Molasses Tank	152
2	Moul shree	10	2022-23	Near Molasses Tank	8
3	Ficus	147	2022-23	Near Molasses Tank	132
4	Sagawon	56	2022-23	Near Molasses Tank	50
5	Saawani	37	2022-23	Near Molasses Tank	33
6	Neem	28	2022-23	Near Molasses Tank	26
7	Ashok pendula	34	2022-23	Near Molasses Tank	30
8	Accasia	43	2022-23	Near Molasses Tank	39
9	Amaltash	124	2022-23	Near Molasses Tank	107
10	Colendria	46	2022-23	Near Molasses Tank	40
11	Ficus	11	2022-23	Boiler Park	10
12	Gold mohar	45	2022-23	Main Road	41
13	Arjun	48	2022-23	Main Road	43
14	Amaltas	2	2022-23	Main Road	2
15	Ficus	11	2022-23	Main Road	10
16	Saawani	37	2022-23	Switch Yard	33
17	Arjun	43	2022-23	Cooling tower area	39
18	Bacane	11	2022-23	Cooling tower area	10
19	kaner	32	2022-23	Cooling tower area	29
20	Arjun	54	2022-23	Near Halipad	49
21	Moul shree	19	2022-23	Near School	17
22	Champa	19	2022-23	Near School	17
23	Ficusnuda	13	2022-23	Near School	12
24	Bottel Pam	91	2022-23	Near School	82
25	Arjun	67	2022-23	Near School	60
26	Alestonia	19	2022-23	Near School	17
27	Silveroak	15	2022-23	Near School	14
28	Plumeria Champa	65	2022-23	'A' type colony and club lawn	58
29	Hemalia	76	2022-23	'A' type colony and club lawn	68
30	Gold mohar	114	2022-23	Sugar godown to store road side area plantation	103
31	Caner	22	2022-23	Cane Yard	19
32	Bela	11	2022-23	Cane Yard	10
33	Champa	9	2022-23	Cane Yard	8
34	Sisham	1152	2022-23	Cane Office	1037
35	Neem	82	2022-23	Cane Yard	74
36	Amaltas	69	2022-23	Cane Yard	62
37	Moul shree	114	2022-23	Cane Yard	103

38	Aam	9	2022-23	Cane Yard	8
39	Ficus	102	2022-23	Lab Area	91
40	Kaner	19	2022-23	Lab Area	17
41	Aam	9	2022-23	Lab Area	8
42	Champa	32	2022-23	Lab Area	29
43	Goldmohar	137	2022-23	Lab Area	122
44	Moulshree	14	2022-23	Lab Area	12
45	Double Chandni	13	2022-23	Lab Area	12
46	Bottel Brush	42	2022-23	Lab Area	38
47	Alestonia	58	2022-23	Lab Area	52
48	Silver Oak	38	2022-23	Lab Area	28
49	Ficus	65	2022-23	Nursery Area	58
50	Bottel Palm	2	2022-23	Nursery Area	2
51	Arjun	65	2022-23	Nursery Area	58
52	Alestonia	22	2022-23	Nursery Area	19
53	Champa	13	2022-23	Nursery Area	12
54	Kachnar	30	2022-23	Nursery Area	27
55	Kadamb	9	2022-23	Nursery Area	8
56	Ficus	67	2022-23	Nursery Area	60
57	Kanji	24	2022-23	Nursery Area	21
58	Ficus Benjamin	39	2022-23	Admin Office	35
59	Aam	2	2022-23	Colony Gate	2
60	Chandni	11	2022-23	Colony Gate	10
61	More pankhi	26	2022-23	Colony Gate	23
62	Ashok Pendula	101	2022-23	Colony Gate	98
63	Boggenbelia	56	2022-23	Colony	51
64	Ficus	58	2022-23	Colony	52
65	Moul Shree	4	2022-23	Colony	4
66	Ficus Benjamin	39	2022-23	Near Admin	35
67	Silver Oak	217	2022-23	Time Office	208
68	Alestonia	205	2022-23	Time Office	185
69	Amaltas	192	2022-23	Time Office	173
70	Champa	259	2022-23	Time Office	233
71	Papdi	130	2022-23	Infront of Switch yard	117
72	kaner	50	2022-23	Infront of Switch yard	58
73	Sawani	37	2022-23	Infront of Switch yard	33
74	chadni	86	2022-23	Boiler Area	78
75	kadamb	86	2022-23	Boiler Area	78
76	Ficus	160	2022-23	Boiler Area	144
77	Aam	15	2022-23	Boiler Area	14
78	Neem	2	2022-23	Boiler Area	2
79	Amrood	19	2022-23	Boiler Area	17
80	Aam	2	2022-23	Scrap Yard	2
81	Alestonia	54	2022-23	Scrap Yard	49
82	Sagoun	15	2022-23	Scrap Yard	14
83	Ashok pendula	120	2022-23	ETP	100
84	Alastonia	152	2022-23	ETP	132

85	Hibiscus	22	2022-23	Colony Gate	19
86	Neem	91	2022-23	Time office to colony gate road divider	82
87	Amaltash	32	2022-23	Time office to colony gate	29
88	Calendra	216	2022-23	Time office to colony gate road divider	194
89	Boganbelia	17	2022-23	Infront of Nursary near temporary godown	16
90	Ficcus Benjamina	153	2022-23	Sales Office	138
91	Alestonia	26	2022-23	Sales Office	23
92	Sagoun	63	2022-23	Sales Office	56
93	Champa	11	2022-23	Sales Office	10
94	Silver Oak	9	2022-23	Sales Office	8
95	Amaltas	43	2022-23	Sales Office	39
96	Plumeria Champa	32	2022-23	Cooling tower area	29
97	Sawani	32	2022-23	Cooling tower area	29
98	Ficcus Benjamina	157	2022-23	Cooling tower area	120
99	Colendra	35	2022-23	Cooling tower area	31
100	Ashok pendula	37	2022-23	Cooling tower area	33
101	Amaltash	97	2022-23	Cooling tower area	87
102	Champa	65	2022-23	Cooling tower area	58
103	Alestonia	132	2022-23	Cooling tower area	118
104	Kaner	44	2022-23	Cooling tower area	52
105	Kanji	78	2022-23	Cooling tower area	70
106	Acasia	68	2022-23	Cooling tower area	60
	Total	7311			6574

