

Ref:- BHSL/KIN/DIST/ 2023

Date: 30.11. 2023

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

SUB: Six Monthly (April 2023 to Sep 2023) Compliance to Environmental Clearance conditions vide MoEF Letter No. J-11011/132/2005-IA.II (I), dated 10th August 2005 by M/s Bajaj Hindusthan Sugar Ltd. Distillery Unit, Kinauni, Dist- Meerut (U. P.)

Dear Sir,

With reference to above, we are submitting enclosed herewith the six-monthly compliance report (Period April 2023 to September 2023) for our Distillery unit, M/s Bajaj Hindusthan Sugar Limited, Kinauni, Dist- Meerut (U.P) as per the directives of Ministry of Environment and Forest, Government of India. Point wise compliance status report, latest Environment Monitoring Data along with soft copy is enclosed for your kind perusal. Hope you will find the same in order.

Kindly acknowledge the receipt.

Thanking You.

Yours Faithfully

for **Bajaj Hindusthan Sugar Limited, Unit-Distillery**



Authorized Signatory

Encl: as above

LIST OF DOCUMENTS

Sl. No.	Particulars		Annexure No.
1	Compliance Report	:	
2	Stack Monitoring Report		1
3	Ground Water Monitoring Report	:	2
4	Latest Plantation Status Report		3
5	Health Checkup Reports	:	4
6	GWD NOC		5
7	Consolidated Consent to Operate and Authorization hereinafter referred to as the CCA (Consolidated Consent & authorization) (Fresh) under Section-25 of the Water (Prevention & Control of Pollution) Act, 1974 and under Section-21 of the Air (Prevention & Control of Pollution) Act, 1981	:	6/7
8	Ambient Air Quality Monitoring reports	:	8A, 8B & 8C
9	Ambient Noise Report		9
10	Details of Lab Equipments	:	10
11	Details of Environment Management Cell	:	11
12	Logbook of daily water extraction	:	12
13	Production detail/ Spent wash/	:	13
14	Reading of peizo meter	:	14
15	Water balance sheet	:	15



Six Monthly EC Compliance Report

Name of the Project	:	Bajaj Hindusthan Sugar Ltd. Distillery Unit Village-Kinauni, Dist. – Meerut (U.P.)
Environmental Clearance Letter No	:	J-11011/132/2005- IA.II (I) dated 10.08.2005
Period of Compliance Report	:	April 2023 to September 2023

Sr.No.	Conditions	Compliance Status
A	SPECIFIC CONDITIONS:	
i	The industry Shall ensure that the treated effluent and stack emissions from the Unit are within the norms stipulated under the EPA rules or SPCB whichever more stringent. In case of process disturbance/failure of pollution control equipments adopted by unit, the respective unit should be shut down and should not be restarted until the control measures are rectified to achieve the desire efficiency.	Effluent from distillation plant is evaporated in six stage MEE plant and concentrate of MEE is being utilized in slop boiler hence zero discharge is maintained. Stack emission has been kept within norms through incorporation of State of Art Technology and plant is stopped immediately in case of process disturbance /failure. Stack emission reports is enclosed as Annexure 1 .
ii	The spent wash generation shall not increase 1280 M ³ /day. The company shall adopt State of the Art continuous fermentation technology. The spent wash after anaerobic generation which is @ 8KL/KL of alcohol produced shall be passed through the RO system. The parameters (640M ³ /day) from the RO system shall be used for dilution of molasses. Hence, spent wash generation is less than 4KL/KL of alcohol produced. Rejects from RO plant shall be bio composted with press mud.	Spent wash generation is @ 8KL/KL of Alcohol produced. We have installed six stages Multi Effect Evaporator (MEE) plant. ETP comprises, MEE followed by slop boiler as per the CPCB guide line. And the condensate of MEE is treating through CPU.
iii	Land and other requirements for treatment of spent wash with press mud shall be as the CPCB guidelines. The company shall earmark an area of 25.23 acres for bio-composting, storage of press mud and bio compost. The spent wash shall be stored in impervious lagoons not more than 30 days	Bio-composting has been stopped after starting of slop boiler as the concentrated spent wash by MEE is used as the fuel in slop boiler. The consent for the same has been obtained from the concern departments.
iv	The company must monitor the ground water quality by setting up of monitoring wells around the composting and spent wash storage lagoons on a regular basis and submit half yearly reports to SPCB and the ministry.	The pizometer has been installed for monitoring of the ground water around the discarded composting yard and spent wash storage lagoon. Ground water quality monitoring is being done on a regular basis and reports are being submitted half yearly to SPCB and the ministry. Reports are enclosed as Annexure - 2



v	The green belt shall be provided to mitigate the effects of fugitive emissions all around the plant area as per CPCB guidelines in consultation with local DFO.	Green belt in plant area has already been developed as per CPCB guidelines and DFO advice. Latest plantations Status is enclosed as Annexure - 3
vi	Occupational health surveillance program shall be under taken as a 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 should be maintained separately.	Occupational health surveillance program has been taken as a regular exercise for all the employees. The first aid facilities in the occupational health center have been strengthened and the medical records of each employee maintained separately. Health checkup details of some employees are enclosed as Annexure-4
vii	The company shall obtain permission from the Central Ground Water Board for drawl of ground water.	Permission from the UPGWD for drawl of ground water is attached as Annexure -5 .
B	GENERAL CONDITIONS:	
i	The project authorities must strictly adhere to the stipulations made by UPPCB and the State Government.	Being adhered as per the stipulation made by UPPCB and State Government. "Consolidated Consent to Operate" from UPPCB under Air (Prevention and Control of pollution) Act, 1981 and Water (Prevention and Control of pollution) Act, 1974 are enclosed as Annexure -6/7
ii	No further expansion or modifications in the plant should be carried out without prior approval of MOEF.	It shall be complied with
iii	Ambient Air Quality Monitoring Stations should be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ , NO _x are anticipated in consultation with SPCB.	Air quality monitoring stations has already been set up in consideration of maximum ground level concentration of SPM, SO ₂ , NO _x in consultation with UPPCB. Latest Ambient Air Quality monitoring report for PM ₁₀ , PM _{2.5} , SO ₂ , and NO ₂ is enclosed as Annexure-8
iv	Influent and effluent Quality Monitoring Stations should be set up in consultation with SPCB.	Influent and effluent quality monitoring stations has already been set up in consultation with UPPCB.
v	The overall noise levels in and around the plant area should be kept well within the standards (85dBA) 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	Noise control measures has already been implemented to keep the noise level well within the 85 dBA and ambient noise level below 75 dBA (day time) and 70 dBA (night time). Annexure-9

	dBA (night time).	
vi	The project proponent shall also comply with all environmental protection measures and safeguards recommended in the EIA/EMP report.	Environmental protection measures have been implemented for effective compliance of safe guards recommended in EIA/EMP reports.
vii	Setting of Environmental Management Cell equipped with full fledged lab facilities for Environmental Management and monitoring functions. The project authorities will provide separate funds both recurring and non recurring to implement the conditions stipulated by the Ministry of Environment and Forest as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so provided shall not be diverted for any other purpose.	Environmental Management Cell is in place and lab equipments have been installed in order to carry out Environmental management and monitoring functions. Details are enclosed as Annexure -10 & 11
viii	A six monthly compliance status report along with monitored data should be submitted to UPPCB/CPCB/MoEF.	Six monthly compliance status reports along with data is being submitted to UPPCB/CPCB/MoEF.
ix	Publication of MoEF Environmental clearance in two local news papers in vernacular language for information to public.	Environmental clearance details have already been published in two local news papers for public information.
x	The Project Authorities should inform the Regional Office as well as the Ministry the date of financial closure and final approval of the project by concerned authorities and the date of start of land development work.	Financial closure as well as date of start of land development work has already been informed.
xi	The Ministry may revoke or suspend the clearance, if implementation of any of the above conditions is not satisfactory.	Concerted efforts have been put for implementation of all condition as directed.
xii	The Ministry reserves the right to stipulate additional conditions if found necessary. The company will implement these conditions in a time bound manner.	Environmental protection measures as stipulated have been completed with time frame.
xiii	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with their amendments and rules.	Compliance of provisions under Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986 and the Public Liability Insurance Act, 1991 along with above conditions is being complied as directed.



ITS TESTING LABORATORY (P) LTD.

Laboratory: A-114, Sector-80, Phase-II, Noida, Gautam Budh Nagar - 201305, (U.P.)
An ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory)
Website: www.itslab.in, info@itslab.in,
contact@itslab.in, itrclab@gmail.com
+91 9911659800, 93505780312, 09958849764, 07210888634



TC-11181

TEST REPORT

Stack Emission Analysis

Report Code: SE-050923-30

Issue Date: 09/09/2023

ISSUED TO: M/S. BAJAJ HINDUSTAN SUGAR LTD,
UNIT-KINAUNI, DISTT-MEERUT (U.P) INDIA

SAMPLING & ANALYSIS DATA

Sample Description : Boiler Stack Emission
 Date of Sample Drawn : 04/09/2023
 Sample Drawn By : ITS Representative
 Source of Emission : **Stack Attached To Boiler**
 Ambient Temperature (°C) : 35
 Flue Gas Temperature (°C) : 104
 Type of Stack : RCC Circular
 Type of Fuel used : Bagasse + Slop
 Fuel Consumption : 8 TPH + 24 TPH
 Stack Height from Ground Level (meter) : 90.0
 Stack Diameter (meter) : 2.60
 Average Velocity of Flue Emission (m/s) : 6.4
 Quantity of Emission Discharge (m³/hr) : 99345.52
 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
 Operating Load : Normal
 Sampling Time (Minutes) : 45.0
 Any Pollution Control System, If Any : ESP
 Date of Sample Received : 05/09/2023
 Analysis Duration : 05/09/2023 To 09/09/2023

TEST RESULT

S.N.	Parameter	Test Method	Results	Units	Limits as per CPCB Norms (Max)
1.	Particulate Matter (as PM)	IS:11255(Part-1)	43.7	mg/Nm ³	80
2.	Sulphur Dioxide (as SO ₂)	IS:11255(Part-2)	6.2	mg /Nm ³	Not Specified
3.	Nitrogen Dioxide (as NO ₂)	IS:11255(Part-7)	15.6	mg /Nm ³	Not Specified
4.	Carbon Monoxide (as CO)	IS:13270:2008	0.35	% by Volume	1.0

CHECKED BY

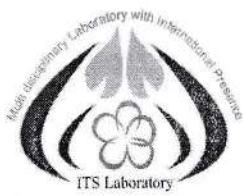
AUTHORIZED SIGNATORY



Terms & Conditions :

1. Test reports are valid only for the samples tested in our laboratory. 2. Samples will destroyed as per quality policy.
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Annex - 2



ITS TESTING LABORATORY (P) LTD.

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Report Code: W-050923-26, Page 1 of 2

TEST REPORT

Water Sample Analysis

Report Code: W-050923-26

Issue Date: 09/09/2023

ISSUED TO: M/S. BAJAJ HINDUSTAN SUGAR LTD.
UNIT-KINAUNI, DISTT-MEERUT (U.P) INDIA

Sample Description : Ground Water Sample
 Date of Sampling : 05/09/2023
 Sample Drawn By : ITS Representative
 Sample Location : Inside Distillery Plant
 Sample Quantity : 2.0 Ltr. in Pet Bottle & 500 ml in Sterilized Glass Bottle
 Sample Condition : Plastic Packed Good Condition
 Sample Received On : 05/09/2023
 Analysis Duration : 05/09/2023 To 09/09/2023

TEST RESULTS

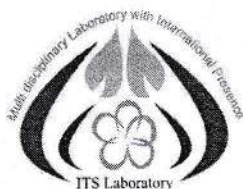
S. No.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	pH value	IS-3025(P-11)	7.82	-	6.5-8.5	-
2.	Colour	IS:3025(P-4)	<5	Hazen	5	15
3.	Taste	IS:3025(P-8)	Agreeable		Agreeable	Agreeable
4.	Turbidity	IS:3025(P-10)	<1	NTU	1	5
5.	Total Dissolve Solids (TDS)	IS-3025(P-16)	448	mg/l	500	2000
6.	Total Hardness (as CaCO ₃)	IS: 3025 (P- 23)	176	mg/l	200	600
7.	Chloride (as Cl)	IS: 3025 (P- 32)	52.0	mg/l	250	1000
8.	Calcium (as Ca)	IS: 3025 (P- 40)	42.8	mg/l	75	200
9.	Magnesium (as Mg)	IS: 3025 (P-46)	16.86	mg/l	30	100
10.	Sulphate (as SO ₄)	IS: 3025 (P- 24)	45.9	mg/l	200	400
11.	Iron (as Fe)	IS:3025(Part-53)	0.368	mg/l	1.0	-
12.	Fluoride (as F)	APHA 22nd edit	0.69	mg/l	1.0	1.5
13.	Nitrate (as NO ₃)	IS: 3025 (P- 34)	3.95	mg/l	45	No Relaxation
14.	Zinc (as Zn)	IS: 3025 (P- 49)	BDL (0.05)	mg/l	8.0	15
15.	Lead (as Pb)	IS-3025 (P-47)	BDL (0.01)	mg/l	0.01	No Relaxation
16.	Total Chromium (as Cr)	IS:3025(Part-52)	BDL (0.01)	mg/l	0.05	No Relaxation

Checked by

Authorized Signatory

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Report Code: W-050923-26, Page 2 of 2

Pesticide Analysis :-

RESULT						
S.NO.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Pesticide	AOAC	BDL(0.05)	µg/l	-	-

Sensary Requirement


RESULT				
S.No.	Parameter	Test Method	Results	Required as per IS-10500:2012
1.	Odour	IS:3025(Part-5)	Agreeable	Should be agreeable

Microbiological Requirement:-

RESULT				
S.No.	Parameter	Test Method	Results	Required as per IS-10500:2012
1.	Coliform Bacteria	IS:15185:2016	Absent	Absent/100ml

BDL: Below Detection limit.

Checked by 

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TC-11181

Report Code: W-050923-25, Page 1 of 2

TEST REPORT

Water Sample Analysis

Report Code: W-050923-25

Issue Date: 09/09/2023

ISSUED TO: M/S. BAJAJ HINDUSTAN SUGAR LTD.
UNIT-KINAUNI, DISTT-MEERUT (U.P) INDIA

Sample Description	: Ground Water Sample
Date of Sampling	: 05/09/2023
Sample Drawn By	: ITS Representative
Sample Location	: Piezo well Near- Lagoon No. - 2
Sample Quantity	: 2.0 Ltr. in Pet Bottle & 500 ml in Sterilized Glass Bottle
Sample Condition	: Plastic Packed Good Condition
Sample Received On	: 05/09/2023
Analysis Duration	: 05/09/2023 To 09/09/2023

TEST RESULTS

S. No.	Parameter	Test method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	pH value	IS-3025(P-11)	7.66	-	6.5-8.5	-
2.	Colour	IS:3025(P-4)	<5	Hazen	5	15
3.	Taste	IS:3025(P-8)	Agreeable		Agreeable	Agreeable
4.	Turbidity	IS:3025(P-10)	<1	NTU	1	5
5.	Total Dissolve Solids (TDS)	IS-3025(P-16)	454	mg/l	500	2000
6.	Total Hardness (as CaCO ₃)	IS: 3025 (P- 23)	170	mg/l	200	600
7.	Chloride (as Cl)	IS: 3025 (P- 32)	55.0	mg/l	250	1000
8.	Calcium (as Ca)	IS: 3025 (P- 40)	45.6	mg/l	75	200
9.	Magnesium (as Mg)	IS: 3025 (P-46)	13.68	mg/l	30	100
10.	Sulphate (as SO ₄)	IS: 3025 (P- 24)	42.5	mg/l	200	400
11.	Iron (as Fe)	IS:3025(Part-53)	0.273	mg/l	1.0	-
12.	Fluoride (as F)	APHA 22nd edit	0.56	mg/l	1.0	1.5
13.	Nitrate (as NO ₃)	IS: 3025 (P- 34)	1.72	mg/l	45	No Relaxation
14.	Zinc (as Zn)	IS: 3025 (P- 49)	BDL (0.05)	mg/l	7.0	15
15.	Lead (as Pb)	IS-3025 (P-47)	BDL (0.01)	mg/l	0.01	No Relaxation
16.	Total Chromium (as Cr)	IS:3025(Part-52)	BDL (0.01)	mg/l	0.05	No Relaxation


Checked by


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Report Code: W-050923-25, Page 2 of 2

Pesticide Analysis :-

RESULT						
S.NO.	Parameter	Test Method	Result	Unit	Requirement (Acceptable Limit)	Permissible Limit in absence of alternate source
1.	Pesticide	AOAC	BDL(0.05)	µg/l	-	-

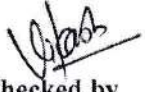
Sensary Requirement


RESULT				
S.No.	Parameter	Test Method	Results	Required as per IS-10500:2012
1.	Odour	IS:3025(Part-5)	Agreeable	Should be agreeable

Microbiological Requirement :-

RESULT				
S.No.	Parameter	Test Method	Results	Required as per IS-10500:2012
1.	Coliform Bacteria	IS:15185:2016	Absent	Absent/100ml

BDL: Below Detection limit.


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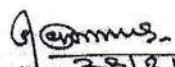
BAJAJ HINDUSTHAN SUGARS LIMITED			
KINAUNI (MEERUT)			
Plantation Report			
S.No.	Location	Tree Species	Numbers
1	Out side main gate	Bottle Brush, Ficus, Palm, Ashok, Thuja, Causurina, Colleandria, Bottle Palm, Chakresia, Fish Tail Palm, Bamboo branch, Cassia Gulacka, Alistonia, Kanji etc.	1545
2	Around Admin. Block	Mango, Cycus, Chakresia, Bela, Ficus, Plumeria, Gulmohar, Phoinx Palm etc.	1015
3	Inside Colony	Oak, Ficus, Bottle Brush, Banayan, F. Sanitation, Alistonia, Ashok, Gulmohar, Champa, Palm, Boganbelia, Seasam, Mango, Neem etc.	5742
4	Near Lagoon-1 and E-Block Colony	Oak, Ficus, Bottle Brush, Banayan, F. Sanitation, Alistonia, Ashok, Gulmohar, Champa, Palm, Bogabbelia, Seasam, Arjun, Gulmohar etc.	4220
5	Colony Back Side	Bottle Brush, Ficus, Rubber Plant, Boganbelia etc.	904
6	ETP Sugar	Oak, Sahatoot, Neem, Gulmohar, Kadam, Teak, Alistonia, Banayan, Toon, Chakresia, Cassia, Kanji, Jamun, Sawni etc	1241
7	Bio-Compost	Chandani, Champa, Caner, Papadi, Alistonia, Alistonia, Ashok, Jamun Gulmohar, Champa, Palm, Boganbelia etc.	6800
8	Spray Pond side	Himialia, Ficus, Champa, Ticoma, Gulmohar, Molshree, Sheesam, Silver oak, Pilkhan, Bhonia, Chakrasia, Tun etc.	943
9	ETP Road	Himialia, Sicus, Chakarsia, Bottle Brush, Amaltash etc.	518
10	Boiler Side	Sicus, Chandani, Gulmohar, Ashok etc.	300
11	Godown Side	Sicus, Gulmohar, Bottle Brush, Ticoma, Casia Glucas, Amaltash, Bhonia, Sheesam, Silver oak, Pilkhan, Chakrasia, Tun, Jamun, Kanji etc.	1241

12	In Distillery inside	Alistonia, Arjun, Gulmohar, Champa, Himelia, Ficus, Champa, Palm etc.	2114
13	Bio-Gas Unit Area	Ficus, Palm, Champa, etc.	810
14	In Sugar Unit	Oak, Ficus, Caner, Chakresia, Teak, Alistonia, Arjun, Gulmohar, Champa, Himelia, Kadam, Neem, Seesam, Sahatoot, Amaltash, Casia gluca etc.	4333
15	New Land near fourth phase of Bio-compost	Oak, Ficus, Bottle Brush, Banayan, F.Sanitation, Alistonia, Ashok, Gulmohar, Champa, Palm, Boganbelia, Seesam, Mango, Neem, Alistonia, Arjun, Himelia, Amaltash, Casia gluca etc.	4896
16	Miyawaki Plantation	Neem, Sagon, Jamun, Mango, Seesam, Ficus etc	10000
16	Cane Yard Area	Pakar, Neem Chakresia Kanji Monshri etc.	874
GRAND TOTAL			47496

Date: 28.03.2023

TO WHOM SOEVER IT MAY CONCERN

This is to certify that I have examined 173 employees of M/s Bajaj Hindusthan Sugar Ltd., Kinauni Distillery, Meerut as per the list enclosed and found all of them, mentally and physically fit without any contagious disease.


28/3/23
Medical Officer
Bajaj Hindustan Sugar Ltd
Kinauni (Meerut) 250502



Bajaj hindusthan Sugar Limited, Kinauni (Meerut)

(Distillery)

List of Distillery employees

NAME (S/Shri)	Father's name (S/Shri)	Designation	D.O.B.	D.O.J	Address	Mobile NO
Shri Pravin Kumar Srivastava	Shri Shital Prasad Srivastava	Assistant Vice President (Unit Head)	25-08-1967	21-02-2022	D-56, Divya Nagar, Gorakhpur, Ward No-18, Khorabar Urf	7617555267
" Ashok Prakash Gupta	Shri Jagdish Gupta	Sr. General Manager (Engineering)	26-09-1967	01-08-2003	B-24, Ground Floor, Akshardham Phase-2, Pallaypuram,	9717555267
" Devesh Kr. Shukla	" Davkinandan Shukla	Sr. Deputy General Manager (Distillery)	16-09-1973	01-04-2006	D-48, Green Wood City, By Pass Road, Nr. Baghat Flower,	9719701159
" Sanjeev Push Saxena	" R.P. Saxena	Assistant General Manager (Engineering)	01-02-1969	01-10-2003	11, Sai Vaika, Karamchari Nagar, PS-Izzatnagar, Bareilly	9412364050
" Bhupendra Singh	" Yashveer Singh	Assistant General Manager (Engineering)	01-01-1970	15-05-2007	V&PO-Gandu Nagla, PS - Bahadurgarh, Distt.-Ghaziabad	9897857752
" Santosh Kr. Srivastava	" Sushil Kumar Srivastava	Assistant General Manager (Engineering)	26-03-1970	04-11-2019	1/191, Jankipuram Extension, P. S. - Jankipuram, District-	7881111196
" Surender Singh	" Mahender Singh	Manager(Local Liaisoning)	05-03-1976	08-10-2005	V&PO-Sisauli, PS- Bhorakala, Distt.- Muzaffarnagar (UP)	9758439700
" Pramod Kumar	" Daryav Singh	Manager (Distillery)	10-02-1974	23-01-2006	C-701, Ansal Town, By-Pass, Modipuram, PS- Modipuram-II,	9719976599
" Dushyant Kumar	" Arvind Kr. Upadhayay	Additional Manager (Bio -Compost)	07-12-1979	12-01-2005	S-105, Pallaypuram, Phase-II, PS- Modipuram-II, Meerut (UP)	9711991640
" Sachin Kumar	" Balendra Singh	Dy. Mgr. (EHS)	01-02-1989	12-08-2019	V & PO- Meekhyali, PS- Navi Mandi, Distt.-Muzaffar Nagar	7251000387
" Ajay Kumar	" Late Sh. S.S.Prasad	Addl. Manager (Distillery)	22-02-1968	14-07-2014	K-8, 3rd Floor, Hazi Colony, Gaffar Manzil Ext-2, Jamia	9412832741
" Saifullah Ghezi	" Ghulam Asadullah	Additional Manager (Engineering)	04-07-1984	14-07-2014	V&PO-Keaki, PS-Deo, Distt.- Aurangabad(Bihar)	8859339502
" Ashutosh Sharma	" Raj Kumar	Additional Manager (Distillery)	30-06-1973	29-09-2005	389,Sanjay Nagar, Nr.Pandavnagar, PS-Civil Lines,	9412629092
" Rajesh Kumar Singh	" Ram Ashrey Singh	Additional Manager (ETP)	18-03-1974	01-07-2006	Vill.-Pattinarendra(Baisana), Post Pattinarendra, PS -	9634280863
" Amit Kumar Sisodia	" Chhetrapal Singh	Deputy Manager (ETP)	02-12-1972	17-11-2020	V&P- Jaitra, Dhampur, Distt.-Bijnor (UP), PS- Dhampur (UP)	8273871602
" Amit Kumar	" Naresh Kumar	Deputy Manager (Safety)	16-01-1980	05-11-2020	Near Shiv Mandir, Nandu Prasad, Shamli, Distt. Shamli, PS-	7017785685
" Vikash Singh	" Mahenderpal Singh	Dy. Manager (Production)	23-07-1977	25-01-2007	H.No. 801, Vikas Nagar, South Bhopa Road, PS- Navi Mandi,	7017785685
" Mahim Bhatnagar	" Late Sh. Krishna K. Bhatnagar	Deputy Manager (Production)	14-08-1981	17-12-2015	Shiv Chauk, Jain Mandir, PS- Kotwali, Bijnore	8879030900
" Manoj Kumar	" Shri Krishna Kumar	Assistant Manager (Instrumentation)	30-01-1975	01-07-2006	H.No.-D/13, PWD Colony, Sury Gate, Patel Nagar, PS-	9719942515
" Sanjeev Rathi	" Jitendra Singh	Assistant Manager (Warehouse)	20-11-1972	28-09-2020	M-46, Sector-23, Sanjay Nagar, Distt.-Chazhiabad (UP) 201002	7011885365
" Vinod Kumar	" Hem Singh	Assistant Manager (Instrumentation)	01-01-1972	04-06-2018	Vill.Ramnagar, PO Dashrathpur, Teh.Mawana, Distt.-	9045339441
" Sparsh Arora	" Narender Arora	Sr. Officer (DCS Operation)	25-07-1993	19-12-2022	14/1935 Vijay Nagar Near Gatta Mill Ambala road	7906479636
" Parijat Piyusham Pandey	" Dinesh Chandra Pandey	Senior officer (Distillery)	01-01-1989	15-04-2019	7503, Awas Vikas, Hanspuram, Naubasta, PS-Naubasta,	7860522357
" Nitin Tyagi	" Mahesh Chand Tyagi	Sr. Officer (Store & Warehouse)	30-03-1981	14-12-2020	A-2, Krishnapura, Oil Mill Gate, Modinagar, PS-Modinagar,	8449843217
" Suresh Kumar Panday	" Umesh Dutt Pandey	Sr. Officer (Boiler)	20-09-1980	01-09-2020	Vill- Kirतरा, PO- Birshahpur, PS- Birshahpur, Tech. Sadar,	9877172815
" Rajesh Kumar Joshi	" Narayan Dutt Joshi	Senior Officer (Instrumentation)	07-07-1984	04-07-2019	H.No. 104, Sector-4, Jagrati Vihar, P.S. Medical(Meerut)	9410673463
" Pradeep Kumar Sharma	" R. N. Sharma	Medical Officer	10-10-1969	01-09-2022	JP Hospital Rohta Road Fazalpur Meerut	9719702116
" Prashant Arya	" Krishan Kumar Arya	Officer (Secretarial)	08-07-1990	22-02-2023	Vill- Fatehpur Bhado, Post- Chhumnalpur, Saharanpur (UP)	9719593949
" Sushil Kumar	" Unmed Singh	Officer (Security)	15-07-1983	09-11-2020	H.N-16/3, Ganpatti Vihar, Kanak Khera, PS-Kanak Khera,	9557309464
" Akshay Tyagi	" Shri Vinod Kr. Tyagi	Assistant Manager (Distillery)	11-07-1985	01-05-2014	Unsel Store, Railway Road, Simbhaoli, PS- Simbhaoli, Distt.-	9758370415
" Gaurav Tyagi	" Sh. Yashpal Singh	Officer (ETP)	05-01-1979	07-03-2017	V&PO- Bahadarpur, PS- Sikhera, Distt.-Muzaffar Nagar (UP),	9758370415
" Amresh Kumar Singh	" R.p. Singh	Assistant (Time Office)	12-09-1981	01-05-2019	Vill- Semra Post-Barauli Distt- Gonda (UP)	9415726648
" Jitendra Singh	" Shri Chanchal Singh	Senior Officer (ETP-Bio-Compost)	20-08-1985	01-10-2008	C/o Shri Dwarika Pd. Maurya, 241, Baharipur, Civil Lines, PS-	9410683113
" Jatin Kumar	" Yesh Pal Singh	Engineer (DCS Operation)	08-09-1993	03-11-2021	C-76, Mawana Road, Gampa Nagar, Ganga Sagar, Meerut	7417414856
" Durgesh Tiwari	" Raj Kr. Tiwari	Engineer (DCS Operation)	22-07-1991	09-12-2022	Vill- Lakhpera, Lakpeda, Lakhimpur Khri UP 251320	9794135074
" Ram Kumar	" Naathu Singh	Engineer (DCS Operation)	30-06-1969	04-11-2022	Vill Mirzalipur, Hargampur Distt Bijnor UP 246762	9690862353
" Ranveer Singh	" Late Sh Heera Singh	Assistant Manager (DCS)	04-05-1984	10-08-2020	Farrakhpur, Post-Office nanhuwala, Gajheda Alam,	6388143711
" Sampati Singh	" Jagannath Singh	Assistant Officer - Distillery	20-01-1975	04-11-2005	Vill. &PO-Kiran Chhapra, PS-Taukati, Distt.- Ballia.	9956205128
" Brijlal	" Rajaram Shah	Assistant Officer (Warehouse)	25-12-1979	15-05-2007	Purbi Ramgulum Tola, Purbi Deoria Ward No.-8, House No.	9719807213
" Kailash Dobriyal	" Umanand Dobriyal	Assistant Officer (Distillery)	18-08-1975	21-04-2011	Vill. Bodakholi, Mangrou PO-Baharamkhal, PS-Salt, Distt.-	9410860873
" Neeraj Kr. Tripathi	" Ganga Mahesh Tripathi	Assistant Officer (Distillery)	01-02-1970	04-08-2005	Vill. &PO-Kakarawa, PS- Behradnagar, Distt- Rampur (UP),	9536763832
" Hariom	" Seva Ram	DM Plant Operator	05-02-1966	04-11-2005	Vill. Saravmadan PO-Bahra, PS-Bahara, Distt.-Allahabad	9411488099
" Ashok Kumar	" R.R.Shukla	Fitter	05-12-1963	26-B, Gandhi Nagar, PS-Nai Mandi, Muzaffar Nagar (UP)	8193809327	
" Suresh Kumar Yadav	" Jagannath Prasad	Assistant Officer (Boiler)	10-07-1972	15-11-2005	State Bank Colony,Nr. PWD Office, Diamond Palace Road,	9410870792
" Avinash Kumar	" Satyadev Sharma	Officer (Warehouse)	01-07-1976	01-07-2006	V&PO-Silawar, PS- Shamli, Distt.- Shamli (UP)	9411276859

PRAVIN KUMAR SRIVASTAVA
Asst. Vice President

2-4-23
सत्यक आचारी अयुक्त

Manoj Kumar	Sh. Omprakash Singh	Assistant Officer(Boiler)	15-08-1974	01-12-2005	Vill. - Bhanwanipur, PO-Umari, V.Ia-Dhampur, PS-Noorpur	8865091233
Pran Ballabh Upreti	" G.B. Upreti	Electrician	10-07-1971	04-08-2005	Vishnuvihar Colony, Nr. KitPhy factory, Jwala Nagar, PS-Civil	9410607299
Pranendra Shakter Panchal	" Vijender Kr. Panchal	Officer (Turbine)	02-07-1972	04-11-2005	Vill. Khanpur, PO Mansurpur, PS- Mansurpur, Distt. -	9808049315
Pranod Kumar Tyagi	" Jaswant Singh	ETP R.O Plant Operator	05-03-1968	01-12-2007	Vill. - Adhiyana, PO- Nukud, PS- Nukud, Distt. - Saharanpur	8923116419
Rajesh Sharma	" Prem Chand Sharma	Officer (Distillery)	20-11-1975	01-06-2010	Vill. - Madkaripur, PO- Khatauli, PS- Khatauli, Distt. -	9897200368
Naresh Kumar	" Devendra Kumar Sharma	ETP Operator	10-05-1989	01-01-2013	V&PO-Kaithwari, PS- Rohta, Distt.-Meerut (UP) 250502	9639884189
Pranod Kumar	" Harpal Singh	Assistant Officer (Production)	18-03-1986	01-07-2006	V&PO Mohamadpur, Dhoomi, PS-Jani, Distt. Meerut (UP)	8650281045
Pranod Kumar	" Tejpal Singh	Yeastman	01-07-1980	07-01-2022	Vill- Chindauri padli dalu Atia, Post- Rohta, Distt- Meerut (UP)	7668717151
Amit Kumar Vashistha	" B.S.Sharma	Warehouse Operator	03-12-1971	01-07-2006	43- Goharpara, Near Madhur Courier, PS- Sadar Kolheb Distt-	9758407022
Ravendra Pal Singh	" Rajpal Singh	Distillation Plant Operator	10-01-1967	13-12-2006	Vill- Narkhi, PO- Narkhi, PS-Narkhi, Distt- Ferozabad	9759172460
Ram Avtar	" Ramswami Bharti	Assistant Officer (Production)	10-06-1972	01-07-2006	Vill Nagalya Baulu, Post- Tharasa Jais, Chandosi, PS-	9759172460
Jyendra Tomar	" Surender Singh Tomar	Senior Molasses Pump Operator	10-07-1980	01-07-2006	Kamharantola, Ward No. 3, H.No. 89, Post Gologokharnath, PS-	8126516752
Vikal Kumar Singh	" Ram Singh	Soft Water Operator	02-06-1986	01-01-2010	V. Malakpur, PO Malakpur(Pati Ravan), PS-Baraut, Distt.-	9456202801
Vitin Kumar	" Parmal Singh	Senior Pump Operator	15-07-1988	01-09-2013	Vill. Kinami, PO-Rasulpur, PS- Rohta, Distt. - Meerut (UP)	9457066495
Anurag Tyagi	" Satendra Tyagi	DM Plant Operator	04-01-1993	20-12-2016	Vill- Gandhidulla, PO-Binoli, PS- Binoli, Distt. Baghpat (UP)	8395943515
Zijendra Singh	" Chamanlal Sharma	Senior Plant Operator	01-07-1988	01-05-2019	V & PO- Rasna, PS- Saroorpur, Distt. - Meerut 250502	8533949907
Munesh Kumar Tomar	" Khlilari Singh	Yeast Man	12-012-1965	04-11-2005	Vill. Chiraudi, House No.-16, Dauraha, PS-Dauraha, Distt.-	8534804576
Main Pal	" Pheru Singh	Sr.Turbine Operator	03-09-1978	04-11-2005	Nr. Riv Sin, Gali No -I.H.No.248/16,Shamli, PS- Adarsh	8941884549
Pradeep Kumar Baliyan	" Jai Prakash Pandey	Assistant Officer (Engineering)	10-08-1990	07-01-2023	Vill- Alaudteempur, Bangaudesh, Sultanpur UP	9012888985
Pradeep Kumar Baliyan	" Anarupal	Electrician	30-03-1985	01-11-2008	Vill. Sisoli, PO-Sisoli,Block, PS- Bhora Kalan, Distt.-	8795904029
Pradeep Kumar Baliyan	" Ram Niwas Tyagi	Electrician	13-11-1987	22-09-2020	V&PO- Chamri, PS-Hapur, Distt.-Hapur(UP)	8533882005
Rajpal Singh	" Bharat Singh	Senior Electrician	11-07-1985	12-10-2020	384, Narayanpur, Urf. Uddhav Wala, A.Zalgath, PS-Dhampur,	9935752935
Rohit Kumar Baliyan	" Rishpal Singh	Electrician	01-01-1969	28-10-2020	Vill. Golabar, Rohta Road, PO-Ghantaighar, PS-TP Nagar, Distt.-	9424700985
Akshay Kumar Sharma	" Pradeep Sharma	Instrument Technician	02-10-1985	01-11-2021	Vill- Rasulpur, jaiten post-Kakra, Dist- Muzaffarnagar (UP)	8433238382
Pawan Kumar	" Omir Sharma	Instrument Technician	30-06-1998	09-09-2022	Vill- Nagla KaboolpurSaimaypur Dist Meerut 250004	9634227079
Lalit Tyagi	" Hari Prakash Tyagi	SBA cum Electrician	06-10-1974	01-12-2020	A-95 Shraddhapuri, Phase-2, Kamkekhera, PS-Kamkekhera,	9424700985
Harminder Suri	" Achraj Lal Suri	SBA	05-06-1980	01-10-2008	V&PO- Lahorgarh, PS- Rohta, Distt. - Meerut (UP)	9456636818
Kapil Kumar	" Raj Kumar	Assistant Officer (Engineering)	21-08-1974	23-03-2013	100, Sugar Mill Colony, Mansurpur Sugar Mill, PS-	9690713227
Rakesh Kumar	" Chandeshwar	SBA	15-12-1989	01-01-2016	V & PO - Kinami, PS- Rohta, Distt. - Meerut (UP)	8445084122
Achhey Lal Dubey	" Shiv Kumar Dubey	Assistant Officer (Production)	01-07-1982	01-07-2006	Begnabad, Budiana, Modinagar, PS-Modinagar, Distt. -	8865015047
Amit Kumar Tyagi	" Mahesh Chand Tyagi	Sr. Fitter	01-07-1965	24-09-2005	Vill & PO-Luhay, PS-Pipraich, Distt- Gorakhpur (UP)	8439042163
Ayush Chaudhary	" Satish Chaudhary	Assistant Officer (Engineering)	05-02-1983	10-01-2008	V & PO - Narangpur, PS- Sarurpur, Distt. - Meerut (UP)	8057842517
Sardar Manjeet Singh	" Harbans Singh	Turner	14-11-1999	04-02-2019	V & PO - Rohta, PS-Rohta, Dist-Meerut (UP)	9520507908
Rajeev Kumar	" Harpal Singh	Asst. Officer (Boiler)	04-04-1974	30-11-2005	Oil Mill Gate, H.No. DP-16, Madarpur, PS- Modinagar, Dist-	9411246494
Aditya Sharma	" Hari Shankar Sharma	Senior Boiler Attendant Cum Fire Man	14-01-1972	09-12-2005	Vill- Purbaliyan, PS-Mansurpur, Distt.-Muzaffarnagar(UP)	9412578765
Ashwani Kr. Saxena	" Ram Prakash Saxena	Senior Boiler Attendant Cum Fire Man	09-11-1975	19-12-2005	Vill- Chandpur, PO-Agarwal Paper Mill,Mokhali, Charsolia	9997961663
Dilip Kumar Agarwal	" Vijay Bahadur Singh	Senior Waterman cum fireman	04-10-1975	26-12-2005	Central Bank Street, Rajdwara Road, PS- Kotwali, Rampur	9760997797
Jitendra Singh	" Omprakash Pal	Assistant Officer (Engineering)	02-07-1976	27-11-2005	Vill. & PO-Simaria, PS- K emri, Distt. - Rampur (UP)	8439042648
Madan Pal	" Mahendernath Mishra	Sr. Fitter	02-01-1968	27-11-2005	Krishna Vihar Colony, Jawala Nagar, PS- City Kotwali,	9457274942
Vineet Kumar Mishra	" Bahuraj Singh	Bagasse Carrier Attendant	05-12-1968	01-07-2006	Village- Kharprana, Barnawa, PS- Binoli, Distt. - Baghpat	9761418916
Rajeev Kumar	" Ram Das Sharma	Senior Fireman cum Waterman	15-10-1984	01-11-2008	Gangapuram, Chhota Bagara, PS- Karnalgaonj, Distt.-	9410035397
Pradeep Kumar	" Narendranath Mishra	Senior Baggage Carrier Attendant	04-11-1984	01-12-2006	Vill-Nava Gaon, PO- Taprana, PS- Jhimhana, Distt- Shamli	9410863245
Ashwani Kr. Sharma	" Tejpal Tyagi	Senior RBC Operator	05-03-1982	01-12-2006	Tatari Agarwal Mandi, PO-Bhardana, PS- Baghpat, Distt.-	9455830446
Saurabh Sharma	" Ram Das Sharma	Senior Boiler Attendant	15-06-1974	01-06-2007	95/96, Near Durga Temple, Shrinagar, Etah City, PS-	9412896328
Monu Kumar	" Narendranath Mishra	RBC Operator	05-01-1973	01-01-2016	V & PO - Narangpur, PS- Sarurpur, Distt. - Meerut (UP)	9045364287
Itender Kumar	" Jagpal Singh	Fireman	20-05-1992	12-01-2018	Vill- DharmaShahangli, Post - Nagina, PS-Nagina, Distt.	9568266820
Ashok Kumar Mondal	" Ashok kr. Sharma	Water Man	15-03-1989	14-09-2020	Vill&Po- Karnawal, Teh-sardhana, PS-Sarurpur, Dist-Meerut	9528788455
Ajay Kumar Pandey	" Dwarika Prasad Mondal	Maintenance Fitter	15-06-1990	14-09-2020	Vill-Kishan Prasad, Post-Rampur, PS-Sahibganj, Dist-	7015793425
	" Lalain Pandey	Maintenance Fitter	18-12-1977	14-09-2020	Vill- Ahiroli Pandey, post-Belwabatwari, PS-Khukundu, Dist-	8950025882
						8500603422

DP-11-23
सहायक आचकारी आयुक्त,
किनेनी आचवनी, मेरठ 1

PRAVIN KUMAR SRIVASTAVA
Asst. Vro. Pandey
1/11/2023

" Sachin Kumar	" Sri Chand	Maintenance Fitter	05-01-1985	13-10-2020	Vill&Po- Satwal, PS-Rohta, Dist-Meerut (UP)	8839556194
" Guljar Khan	" Yunus Khan	Fitter	10-07-1990	23-03-2019	V & PO - Narangpur, PS-Sarapur, Dist. - Meerut (UP)	9548802422
" Gaurav Kumar	" Devendra Singh	Operator	13-05-1987	07-09-2022	Vill- Rahmana Begamabad Garhi, Baghpat UP 250622	9411511181
" Sunil Kumar Tyagi	" Sh. Mahaveer Singh Tyagi	Senior Operator(ETP & RO Plant)	01-07-1965	01-12-2007	Vill. & PO-Rasna, PS- Rohta, Dist- Meerut (UP)	9912377056
" Momin Ali	" Sahabu	MEE Plant Operator	14-09-1990	01-06-2019	V & PO-Kinauni Rasulpur, PS- Rohta, Dist.-Meerut(UP)	988541158
" Prince Tyagi	" Balistar Tyagi	MEE Plant Operator	21-04-1989	01-12-2019	V&PO-Kaithwari, PS- Rohta, Dist.-Meerut(UP) 250502	7500918570
" Paras Khokhar	" Saubeer Singh	Operator (MEE Plant)	15-05-1987	07-09-2022	Vill- Rangana Dist Shamli UP 247778	8979151560
" Gaurav Kumar	" Jaibeer Singh	Operator (MEE Plant)	25-07-1998	14-01-2023	Vill- Rahtana Begamabad Garhi, Baghpat UP 250623	6395632762
" Abhishek Sharma	" mintu	Operator	26-03-1999	01-07-2022	HN- 445 Gagan Vihar, Rohta Road, Dist-Meerut (UP)	7017065917
" Mohit Kumar	" Rakesh Kumar	Officer (Engineering)	18-04-1983	01-10-2021	H.N-31 Shriata Khera Aht, Post-Tansipur, Nagal, Dist-	9675963477
" Sundar	" Sh. Hansa	Assistant (Production)	05-05-1991	01-10-2021	Vill. Bondra, PO-Lahyana, PS-Kithore, Dist. - Meerut (UP)	9528114359
" Manish Tyagi	" Jai Prakash Tyagi	Operator	05-05-1996	01-09-2022	Vill+Post-Kaithwari PS- Rohta, Dist-Meerut(UP)	8920349542
" Keshav Mohan Tyagi	" Vinod Tyagi	Operator	17-07-1993	01-09-2022	V&PO- Kaithwari, PS- Rohta, Dist- Meerut (UP)	7310840477
" Sunil Kumar Giri	" Rej Giri	Driver	15-08-1970	15-02-2006	Vill. 175-Dhadhra, PO-Rohta, PS-Rohta, Dist. - Meerut (UP)	9012705271
" Shiv Kumar	" Rajendra	Driver	10-10-1987	18-04-2018	Vill & PO-Kinauni Rasulpur, PS - RohtaDist. Meerut (UP)	9997769293
" Sumit	" Suraja Singh	Office Attendant	12-03-1981	26-02-2004	Vill. Kheeki Jaidi, Mawana, PS- Mawana, Dist-Meerut (UP)	9568473461
" Gaurav Tyagi	" Sardar Singh	Office Attendant	21-07-1990	16-03-2022	H.N.-74, Pichokra, Dist-Baghpat, (UP)	9045705717
" Akash Sangwan	" Suresh Tyagi	Courier	19-08-2000	26-11-2021	V & PO - Janokhar Rohta Road, Dist-Meerut (UP)	8755527132
" Virendra	" Satendra Singh	DM Plant Operator	10-10-2001	08-02-2023	V&PO- Janokhar Rohta Road, Dist-Meerut (UP)	6398689781
" Tarun Kumar	" Ram Chand	Trainee (Yeastman)	01-01-1985	01-11-2021	Gadhidulla, Binauli, PS-Binauli, Dist. Baghpat (UP)	9639450247
" Rajiv Kumar	" Chander Pal Singh	Supervisor	21-07-1996	14-03-2021	Vill&Post-Sirsaji, Dist-Baghpat (UP)	9634455456
" Dharampal Singh	" Satyapal Singh	Supervisor	07-11-1998	22-06-2021	Vill&Post-Binauli, Tehsil-Baraut, District-Baghpat, Uttar	7417831152
" Deepak Sharma	" Shyam Singh	Gunman	06-10-1964	17-02-2021	Vill & Post-Maykalan, Dist-Baghpat (UP)	9760513677
" Jaivindra	" Dayanand Sharma	Gunman	08-07-1981	21-07-2022	Vill. Mandwadi, Post Phalardra, Meerut (UP)	9528290291
" Suman Kumar	" Pratim	Security Guard	01-01-1984	11-01-2017	Dohara Road, Village Kumauni, Meerut, 250502 (UP)	7900949234
" Rajveer Singh	" Narak	Security Guard	01-01-1987	12-01-2016	177. Jainuddin Circuits, Baghpat, Baraut, 250611 (UP)	9756429632
" Rahul Tyagi	" Gajendra Tyagi	Security Guard	01-01-1969	08-01-2017	Dalabhedra, Kumauni, Rashulpur, 250502 (UP)	9758368783
" Ravinder Kumar	" Charan Singh	Security Guard	07-04-1982	12-01-2016	Vill-Banwarapur Dist-Meerut (UP)	8218814180
" Sudheer Kumar	" Ompral Singh	Security Guard	07-10-1989	03-01-2021	Vill-Post-Gadhidulla, Dist-Baghpat (UP)	7830552350
" Davendra Dhama	" Mangal Singh	Security Guard	08-12-1995	03-01-2021	Vill+Post-Gaitheta Dist-Baghpat (UP)	9720258561
" Ravinder Sharma	" Mange Ram	Security Guard	07-15-1975	03-01-2021	Vill+Post-Binauli Dist-Baghpat (UP)	8923195116
" Arun Tyagi	" Chaman Sharma	Security Guard	05-04-1978	05-08-2018	Vill+Post-Kinauni Dist-Meerut (UP)	7830180890
" Jitendra Kumar	" Ropchand	Security Guard	01-01-1983	12-01-2016	Vill+Post-Chirchita Dist-Baghpat (UP)	8171537960
" Sunil Kumar	" Omdutt	Security Guard	22-01-1973	09-01-2018	Vill+Post-Kaithwari Dist-Meerut (UP)	8368963826
" Anil Kumar	" Baleshwar	Security Guard	01-01-1978	29-09-2022	Vill- Pura Budhsaini Baghpat Balami Thana 250606	8476971546
" Kuldeep Kumar	" Uday Singh	Security Guard	05-09-1968	26-04-2022	Vill& post Kinauni Dist- Meerut 250502	9520659595
" Ramesh Chand	" Kiran Singh	Security Guard	24-08-1994	15-11-2022	Vill- Mukimpura Post- Binauli Dist- Baghpat 250645	9456067082
" Rajendra Kumar	" Prmal Singh	Security Guard	01-01-1980	11-01-2021	Vill+Post-Kurthaal Dist-Muzaffarnagar (UP)	8449372309
" Neetu	" Kaluram	Security Guard	08-09-1970	10-10-2020	Vill+Post-Mainpuri Dist-Meerut (UP)	9997552956
" Gaurav Sharma	" Rampal Singh	Security Guard	01-08-1988	20-08-2022	Vill & Post Azampur Muisam Post Binauli Dist- Baghpat	8126575033
" Sumit Kumar Nagar	" Ravi Dutt Sharma	Security Guard	01-01-2001	28-02-2022	Vill & Post Azampur Muisam Post Binauli Dist- Baghpat	6397278154
" Manoj Sharma	" Brijpal	Security Guard	18-02-1995	08-01-2023	Vill Charla Po- Mahalka Dist Meerut 250222	7533902446
" Ajeet Kumar	" Shyam Singh	Security Guard	01-01-1982	12-01-2016	V & PO- Kinauni, PS- Rohta, Dist.- Meerut (UP)	8865022399
" Gaurav Sangwan	" Atar Singh	Security Guard	10-08-1988	23-08-2021	Vill- Mukimpura Post-Binauli Dist- Baghpat 250645	9548273408
" Saleem Ahamed	" Gyanendra Singh	Security Guard	10-04-1992	09-05-2022	Vill&Post Janokher, Thana Kankar Khera Dist Meerut	8433210674
" Gulshan	" Yasin	Contractual	25-11-1994	05-06-2009	V & PO- Kinauni, PS- Rohta, Dist.- Meerut (UP)	8979407905
" Vishal Sharma	" Yunush Khan	Contractual	08-09-1998	01-01-2016	V & PO - Narangpur, PS-Sarapur, Dist.- Meerut (UP)	9568978849
" Monu Kumar	" Satish Chand Sharma	Contractual	10-02-1996	10-11-2020	vill-Hasampur Rajapur, PS-Sarapur, Dist-Meerut (UP)	8958567078
" Nikhil Tyagi	" Makar Singh	Contractual	01-01-1995	26-11-2018	V & PO- Kinauni, PS- Rohta, Dist.- Meerut (UP)	7900960787
" Nikunj Tyagi	" Aresh Tyagi	Contractual	31-03-1999	31-03-2020	V & PO- Kinauni, PS- Rohta, Dist.- Meerut (UP)	7900307639
" Munendra Kumar	" Vivek Tyagi	Contractual	02-06-2001	01-01-2021	V & PO- Kaithwari, PS- Rohta, Dist- Meerut (UP)	8279981717
	" Sobran Singh	Contractual	07-12-1999	15-12-2017	Vill. & PO- Lodhipur Chhapka, Jharina, PS-Lodhipur, Dist.	7900960787

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KINAUNI DIST...

" Upendra	" Balraj	Contractual	01-01-1998	25-12-2020	Vill & PO-Kinauni, PS -RohtaDistt. Meerut (UP)	9639650811
" Ankit Kumar	" Bhopal Singh	Contractual	10-07-1994	10-10-2017	Vill & PO Ukasia, PS-Rohta, Distt.-Meerut (UP)	7078498619
" Sushil Kumar	" Ramdas	Contractual	07-02-1989	26-10-2012	V & PO - Naranpur, PS-Sarurpur, Distt.- Meerut (UP)	9690730597
" Prem Pal	" C.P. Singh	Contractual	01-05-1996	26-08-2014	Vill & PO-Kinauni, Rasulpur, PS - RohtaDistt. Meerut (UP)	8791711054
" Sumit Kumar	" Rishiram	Contractual	01-05-1988	02-04-2007	Vill & PO - Sarurpur Khurd, PS-Sarurpur, Distt.-Meerut	8057946499
" Kailash Chand	" Shrichand	Contractual	02-03-1962	04-05-2008	Vill & PO -Ukhleena, PS-Jani, Distt.- Meerut (UP)	9639503701
" Jai Kumar	" Surate	Contractual	01-01-1985	05-10-2008	Vill. Jaimudeenpur Chirchita, PO- Binauli, PS- Binauli, Distt.-	7895451962
" Amit Sharma	" Rameshwar Prasad Sharma	Contractual	07-06-1998	16-03-2015	V & PO - Naranpur, PS-Sarurpur, Distt.- Meerut (UP)	9917133167
" Alare Singh	" Dharmveer	Contractual	01-01-1964	15-03-2010	V & PO- Rasulpur Zahid, PS-Rohta, Distt.- Meerut (UP)	6395064612
" Sanni Kumar	" Atar Singh	Contractual	01-01-1990	05-04-2004	V & PO- Rasulpur Zahid, PS-Rohta, Distt.- Meerut (UP)	9045010507
" Sumit Kumar	" Mahender Singh	SBA cum Electrician	02-02-1991	03-01-2023	Vill & PO-Kinauni Rasulpur, PS - RohtaDistt. Meerut (UP)	8958058078
" Sonu Kumar	" Rajveer	Contractual	15-02-1991	14-02-2018	V & PO- Kinauni, PS- Rohta, Distt.- Meerut (UP)	8923628367
" Manvendra	" Santisev Kumar	Contractual	31-05-1997	20-01-2022	Mill Bazar, Daurala, Ps- Daurala Dist- Meerut (UP)	8979199917
" Dependar	" Gavir	Contractual	01-04-1991	26-11-2020	Vill- Azampur Muslim, Dist- Baghpat (UP)	9528888542
" Pawan Kumar	" Suraj Singh	Contractual	20-11-1991	11-04-2022	Vill & Post Muzaffarpur Kamala, Baghpat (UP) 250645	9761051529
" Saurabh	" Sukhvir	Contractual	19-07-1997	05-04-2022	Vill & Post- Rasulpur, Meerut (UP) 250502	8192893939
" Vjit Chaudhary	" Ravindra Chaudhary	Contractual	01-01-2000	05-04-2022	Vill & Post- Rasulpur, Meerut (UP) 250502	8923653279
" Prince	" Sansar Pal	Contractual	27-07-1999	07-09-2022	Vil- Pichokara, Post Banoli, Dist Baghpat UP	7060325483
" Shivam Ujjwal	" Satendra Singh	Contractual	20-07-1997	26-11-2022	Vil- Mirzapur Post, Rasna, Dist Meerut, 250502	7302362013
" Balster	" Chunilal	Contractual	17-03-1978	08-05-2021	Vil & Post Mavikalan, Dist Baghpat (UP) 250606	8006281551
" Ajay Pal	" Buddhu Singh	Contractual	13-02-1983	03-05-2021	Vil- Bhadaura, Rasulpur Rohta, Meerut, UP 250502	8865848162
" Sumit	" Rajinder	Contractual	01-01-1997	01-01-2022	Vil- Ibrahimabad gavdi, Hazurabad Garhi, Baghpat	8077239720
" Shivam Saini	" Rajesh Saini	Apprentice	14-08-1999	02-01-2023	Vill & Post Mirpur PS- Rohta Dist- Meerut (UP) 250502	7417613018


PRAVIN KUMAR SINGH
 Asst. Vice President
 (KINAUNI DISTILLERY)

DP-4-23
 सहायक आइकरी आयुक्त,
 किनौनी आसबनी, मेरठ।



GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)

Ministry of Jal Shakti

Government of Uttar Pradesh

Form 8 (E)

[See rules 15(2)]

(RENEWAL OF AUTHORIZATION/ NO-OBJECTION CERTIFICATE FOR SINKING OF EXISTING WELL FOR INDUSTRIAL/ COMMERCIAL/ INFRASTRUCTURAL OR BULK USER OF GROUND WATER)

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: REG011729

VALID FROM 20/03/2022 TO 19/03/2027

Registration No.: 202202000342			
Name of the Owner	MUKESH KUMAR SHARMA		
Address of the Applicant	Bajaj Hindusthan Sugar Ltd, Kinauni, Meerut-250502	Application Form Serial No.	MERT0222RIN0077
Date of Submission	25/02/2022	Specimen Signature	
Company Name	BAJAJ HINDUSTHAN SUGAR LTDUNIT DISTILLERY KINAUNI	Company Address	BHSL Distillery Unit Vill Kinauni, Block Rohta, Di
Location Particulars			
District	Meerut	Block	ROHTA
Plot No./Khasra No.	Existing Land document attached.	Municipality/Corporation	No
Ward No./Holding No.			NA
Particular of the Existing Well and Pumping Device			
Date of Construction/Sinking of the Well	01/04/2004		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	112.77
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	67.50
Operational Device	Electric Motor	Rate of Withdrawal (m ³ /hr.)	255.00
Date of Energization (In Case of Electric Pump)		01/04/2004	
Maximum Allowable Rate of Withdrawal (m ³ /hr.):	255.00	Maximum Allowable Running Hours Per Day:	5.00
Maximum Allowable Annual Extraction of Ground Water:	465375	Recharge Required	0.00
Reason for renewal of N.O.C. एन.ओ.सी. के नवीनीकरण का कारण	Our CGWA NOC has been expired on date 27 May 2021.		
Against Case			
<ul style="list-style-type: none"> This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at SI. (3) for extraction of ground water at a rate not exceeding that as shown at SI. (3j), for Running Hours per day as shown at SI. (3k), and for maximum allowable annual extraction of ground water as shown at SI. (3k) and is valid subject to the observance of the conditions stated overleaf. Holder of this NOC is hereby directed to assure annual recharge of 0.00 cubic meter, as specified under the application form. 			
Conditions			
<ul style="list-style-type: none"> (1) In case of any change of ownership of the proposed well, fresh authorization has to be obtained. (2) No change of location, design, rate of withdrawal and pumping device in respect of the proposed well as indicated at SL (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this authorization. 			

- (3) For the purpose of measuring and recording the quantity of ground water extracted, every said user shall affix digital water flow meters (conforming to BIS/ IS standards) having telemetry system in the abstraction structure, which record rate and quantum of extraction, at outlet of pumping devices and it shall be presumed that the quantity recorded by the meter has been extracted by the said user, until the contrary is proved. The rate of extraction of ground water from the well as shown in item 3(k) shall not exceed to the recorded rate from water meters
- (4) The concerned Authority reserves the right to stop extraction of ground water from the well due to quality hazards or any other reasons, if the situation so demands.
- (5) In case of any change of ownership of the existing well, fresh registration has to be obtained.
- (6) No change of location, design, rate of withdrawal and pumping device in respect of the existing well as indicated at SI. (2) and (3) of this certificate shall be made without prior permission of the Competent Authority. Any deviation in this regard shall lead to cancellation of this registration.
- (7) In case, any of the particulars I information furnished by the applicant in his application for issuance of this registration is found to be incorrect during verification at any subsequent stage, this registration is liable for cancellation.
- (8) The Certificate of Authorization/ NOC shall be valid for a period of five years from the date of issue. The applicant shall have to apply for renewal through a fresh application, at least ninety days prior to expiry of its validity.
- (9) Construction of piezometers and installation of digital water level recorders with telemetry shall be mandatory for user. Depth and zone tapped of piezometer should be commensurate with that of the pumping well. The data, obtained from digital water level recorders shall be made available to this office on monthly basis.
- (10) Guidelines for Installation of Piezometers and their Monitoring
- Piezometer is a borewell /tube well used only for measuring the water level by lowering the tape/ sounder or automatic water level measuring equipment. It is also used to take water sample for water quality testing whenever needed. General guidelines for installation of piezometers are as follows for compliance of NOC:
 - The piezometer is to be installed/constructed at the minimum of 50 m distance from the pumping well through which ground water is being withdrawn. The diameter of the piezometer should be about 4" to 6".
 - The depth of the piezometer should be same as in case of the pumping well from which ground water is being abstracted. If, more than one piezometer are installed the second piezometer should monitor the shallow ground water regime. It will facilitate shallow as well as deeper ground water aquifer monitoring.
 - No. of piezometers to be constructed & Type of water level monitoring mechanism shall be as per below table:

S.No	Quantum of Ground water withdrawal (cum/day)	No. of piezometers required	Monitoring Mechanism	
			Manual	DWLR with Telemetry
1	< 10	0	0	0
2	11 - 50	1	1	0
3	50- 500	1	0	1
4	> 500	2	0	2

- The measuring frequency should be monthly and accuracy of measurement should be up to cm. the reported measurement should be given in meter up to two decimals.
- For measurement of water level sounder or automatic water level recorder (AWLR)/ Digital Automatic water level recorder (DWLR) with telemetry system should be used for accuracy.
- The measurement of water level in piezometer should be taken, only after the pumping from the surrounding tube wells has been stopped for about four to six hours.
- All the details regarding coordinates, reduced level (with respect to mean level), depth, zone tapped and assembly lowered should be provided for bringing the piezometer into the Hydrograph Monitoring System for Ground Water Department, Uttar Pradesh, and for its validation.
- The ground water quality has to be monitored twice in a year during pre-monsoon (May/June) and post-monsoon (October/November) periods. Quality may be got analyzed from NABL approved lab. Besides, one sample (1 lt. capacity bottle) to the concerned Director, Ground Water Department, Uttar Pradesh, for chemical analysis.
- A Permanent display board should be installed at piezometer/Tube wells site for providing the location, piezometer/ tube well number, depth and zone tapped of piezometer/tube well for standard referencing and identification.
- Any other site-specific requirement regarding safety and access for measurement may be taken care of.
- (11) Any other condition(s) that may be imposed by the concerned Authority.
- (12) In case, any of the particulars I information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
- **SPECIFIC CONDITIONS:**
- (A) **For Industrial User:** No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
 - i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
 - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
 - iii) All industries abstracting ground water in excess of 100 m³/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC)/ PHD Chamber of Commerce & Industries certified auditors and submit audit reports within three months of completion of the same to Ground Water Department, Uttar Pradesh. All such industries shall be required to reduce their ground water use by at least 20% over the next five years through appropriate means.
 - iv) Construction of observation well(s) (piezometer)(s) within the premises and installation of appropriate water level monitoring mechanism as mentioned in General Condition no.10 shall be mandatory for industries drawing/ proposing to draw more than 10 m³/day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 50 m from the bore well/production well. Depth and aquifer zone tapped in the piezometer shall be the same as that of the pumping well/ wells. Monthly water level data shall be submitted online to the Ground Water Department, UP.
 - v) The proponent shall be required to adopt roof top rain water harvesting/ recharge in the project premises. Industries which are likely to pollute ground water (chemical, pharmaceutical, dyes, pigments, paints, textiles, tannery, pesticides/ insecticides, fertilizers, slaughter house, explosives etc.) shall store the harvested rain water in surface storage tanks for use in the industry.
 - vi) Injection of treated/ untreated waste water into aquifer system is strictly prohibited.
 - vii) Industries which are likely to cause ground water pollution e.g. Tanning, Slaughter Houses, Dye, Chemical/ Petrochemical, Coal washeries, other hazardous units etc. (as per CPCB list) need to undertake necessary well head protection measures to ensure prevention of ground water pollution.
- (B) **Infrastructural User:** The No Objection Certificate for ground water abstraction will be granted subject to the following specific conditions:
 - i) In case of infrastructure projects that require dewatering, proponent shall be required to carry out regular monitoring of dewatering discharge rate (using a digital water flow meter) and submit the data online to Ground Water Department, UP as applicable. Monitoring records and results should be retained by the proponent for two years, for inspection or reporting as required by District Ground Water Management Council.
 - ii) Installation of Sewage Treatment Plants (STP) shall be mandatory for new projects, where ground water requirement is more than 20 m³ /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc.

Date :17/05/2022

Place:Meerut

This certificate is electronically generated and does not require digital signature



Uttar Pradesh Pollution Control Board

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

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

169938/UPPCB/Meerut(UPPCBRO)/CTO/both/MEERUT/2022

Date: 24/11/2022

To,

M/s

BAJAJ HINDUSTHAN SUGAR LIMITED UNIT DISTILLERY KINAUNI

Bajaj Hindusthan Sugar Ltd, Distillery Unit Kinauni,
Meerut,MEERUT,250502

Application Id-
18624938

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

CCA is hereby granted to **BAJAJ HINDUSTHAN SUGAR LIMITED UNIT DISTILLERY KINAUNI** located at **Bajaj Hindusthan Sugar Ltd, Distillery Unit Kinauni, Meerut,MEERUT,250502.** subject to the provisions of the **Water Act, Air Act** and the orders that may be made further and subject to following terms and conditions :-

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

S No	Product	Quantity	Unit
1	RS/ENA/ETHANOL BY USING B-HEAVY MOLASSES/SUGAR SYR	200.0	Kilo Liters/Day
2	RS/ENA/ETHANOL BY USING C-HEAVY MOLASSES OR	160.0	Kilo Liters/Day

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

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

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	4.0 THROUGH STP	STP	STP
Industrial	ZLD	ETP	ZLD

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

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

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

Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	COD	AS PER E(P) RULES, 1986
2	BOD	AS PER E(P) RULES, 1986
3	pH	AS PER E(P) RULES, 1986
4	OIL AND GREASE	AS PER E(P) RULES, 1986
5	TOTAL SUSPENDED SOLIDS	AS PER E(P) RULES, 1986

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

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

S No.	Parameters	Standards
1	pH	AS PER E(P) RULES, 1986
2	BOD (mg/L)	AS PER E(P) RULES, 1986
3	TSS (mg/L)	AS PER E(P) RULES, 1986
4	Fecal Coliform (MPN/100ml)	AS PER E(P) RULES, 1986

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

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

Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	1 X 60 TPH INCINERATION BOILER	Spent Wash (Slope)-564 MT/Day and Beggasse-350 MT/Day	01	Particulate Matter	90 METER STACK HEIGHT FROM GROUND LEVEL

Emmission Quality Standards

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S No.	Stack no	Parameters	Standards
1	1 X 60 TPH INCINERATION BOILER	Particulate Matter	AS PER E(P) RULES, 1986

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

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

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

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

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

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

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

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

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

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

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

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

General Conditions:-

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

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

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

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

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5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof
6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.
7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.
8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.
9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.
10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.
11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point
12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

Specific Conditions:-

- 1- This consent is valid for the production capacity of RS/ENA/ETHANOL-160 KLD BY USING C-HEAVY MOLASSES-727 MT/DAY OR RS/ENA/ETHANOL-200 KLD BY USING B-HEAVY MOLASSES-666 MT/DAY OR SUGAR SYRUP-645 MT/DAY at site KINAUNI, MEERUT.
- 2- The industry must complied the conditions of NOC issued to unit from the UPGWD for abstraction of ground water.
- 3- No plant and machinery shall be installed in the industry without obtaining CTE from UPPCB.
- 4- This consent is valid only for Zero Liquid Discharge (ZLD). No effluent is allowed to discharge outside the factory premises.
- 5- In case of any change in production capacity, process, raw material use etc. the industry will have to intimate the Board. For any enhancement of the above, fresh Consent to Establish has to be obtained from U.P. Pollution Control Board.
- 6- As per the directions given by Commission for Air Quality Management in National Capital Region and Adjoining Areas vide its letter no-A-110018/01/2021-CAQM, dated-04.02.2022, industry shall under all circumstances completely switch over to PNG or Bio Fuels latest by 30.09.2022. Industry should switch over to PNG Fuel as soon as PNG supply is available in the area. Unit must use Rice Husk/Biomass/Agriculture Refuse/Bio Fuel Pellets/Bio Briquettes as per direction given by CAQM.
- 7- The unit must submit the copy of TSDF agreement in the Board within a month.
- 8- The unit shall maintain strict supervision upon fluctuations in operating parameters with respect to each treatment unit of the Effluent treatment plant.
- 9- The E.T.P. unit operation line up Strengthening is to be maintained.
- 10- The Unit shall install Piezometer for measurement of ground water level and the data generated from Piezometer will be provided to the SPCB on monthly basis.
- 11- Flow meter to be installed in all water abstraction points and usage of fresh water to be minimized.
- 12- The industry shall strictly comply with conditions mentioned in the charter on CREP prepared by CPCB.
- 13- Industry shall maintain Online Continuous Effluent and emission Monitoring System (OCEMS) on ETP and stack & connect it with SPCBs and CPCB server, before start of production as per the direction of CPCB.

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- 14- Industry shall install PTZ camera at each strategic location such as MEE, effluent storage lagoon etc. for monitoring purpose. The URLs and password shall be provided to the Board.
- 15- Industry shall ensure the compliance of office memorandum dated 28.08.2019 issued by MoEF&CC, Govt. of India and detail of Fly ash disposal shall be submitted on quarterly basis to UPPCB.
- 16- The unit shall submit the audited balance sheet for the current year and the details of fees deposited during last three years within a month.
- 17- The industry shall install electromagnetic flow meter at water source and outlet of ETP, and maintain the records of water abstracted and recycled treated effluent. The treated effluent from the Effluent Treatment Plant shall be used completely in the manufacturing process.
- 18- 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.
- 19- 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.
- 20- The industry shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for the disposal of hazardous waste.
- 21- The industry shall ensure provisions of Roof Top Rain Water Harvesting system and Ground Water Recharging Proposal/ compliance report should be sent to the Board within One month.
- 22- The industry shall provide adequate arrangement for fighting the accidental leakages/discharge of any air pollutant/gas/liquid from the vessel, machinery etc. which are likely to cause fire hazard including environmental pollution.
- 23- If UPPCB or CPCB issues closure order against the industry, this consent shall remain suspended for the period till closure order is revoked, after which the consent will be effective again for the remaining period.
- 24- The storage capacity of the lagoons installed for more than 7 days holding capacity of the concentrated spent wash shall be dismantled within one months and progress submitted to the Board.
- 25- Bio Composting shall not be done in the industry. The spent wash generated from the industry shall be used completely in Incineration Boiler. No effluent is allowed to discharge outside the factory premises.
- 26- All generate thin Slope shall be used in MEE and Incineration Boiler.
- 27- Any source of emission other than that mentioned in the consent seeking application will not be permitted by the Board.
- 28- 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.
- 29- Industry shall submit Environmental Statement in prescribed format as per rule no.14 as per E.P Rules 1986.
- 30- The industry shall operate 60 TPH Incineration Boiler with ESP and 90 meter stack height as per norms. The APCS will be maintained and operated in such a manner that emissions always conform to the standard laid down under the E.P Act 1986 as amended.
- 31- Industry shall submit monthly monitoring reports of all stacks and ambient air quality from a certified / approved laboratory under E.P. Act 1986.
- 32- The unit 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).
- 33- The Industry will use minimum 20% Bio Briquette as fuel in the Boiler depending upon its availability.
- 34- This consent is valid for 365 days operation of the industry of a year.
- 35- In compliance with the Hon'ble Supreme Court order passed in W.P. (civil) No. 13029/1985 M.C. Mehta Vs. Union of India and ors. the use of Pet coke and furnace oil is prohibited.
- 36- 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.

37- Proper dust control measures shall be taken during construction and provisions of Construction and Demolition Waste Management Rules 2016 shall be effectively implemented and submit report to Board.

38- Minimum 33% of the land on which industry is established will be covered by the plantation of tall trees of suitable species as per the guidelines set up by the Board vide its Office Order no.H16405/220/2018/02 dt. 16/02/2018. The copy of this guideline is available at URL http://www.uppcb.com/pdf/Green-Belt-Guidle_160218.pdf.

PRADEEP SHARMA

Digitally signed by PRADEEP
SHARMA
Date: 2022.12.12 12:31:49 +05'30'

Chief Environmental Officer (Circle 3)

Copy to:

Regional Officer, U.P. Pollution Control Board, Meerut to ensure the compliance of the conditions imposed in the certificate.

PRADEEP SHARMA

Digitally signed by PRADEEP
SHARMA
Date: 2022.12.12 12:32:08 +05'30'

Chief Environmental Officer (Circle 3)



ITS TESTING LABORATORY (P) LTD.

Laboratory: A-114, Sector-80, Phase-II, Noida, Gautam Budh Nagar - 201305, (U.P.)
 An ISO 9001: 2015, ISO 14001:2015, ISO 45001:2018 Certified Laboratory
 Website: www.itslab.in, info@itslab.in,
 contact@itslab.in, itrlclab@gmail.com
 +91 9911659800, 93505780312, 09958849764, 07210888634



TEST REPORT

Ambient Air Quality Analysis

Report Code: AAQ-050923-11

Issue Date: 09/09/2023

ISSUED TO: M/S. BAJAJ HINDUSTAN SUGAR LTD.
 UNIT-KINAUNI, DISTT-MEERUT (U.P) INDIA


SAMPLING & ANALYSIS DATA

Sample Description	:	Ambient Air
Date of Sampling	:	04/09/2023 To 05/09/2023
Sample Drawn By	:	ITS Representative
Sampling Location	:	Near Factory Guest House
Sampling Plan & Procedure	:	IS:5182 & CPCB Guidelines
Average Flow Rate of SPM (m ³ /min.)	:	1.11
Average Flow Rate of Gases (lpm)	:	0.2
Sampling Instrument Used	:	Respirable Dust Sampler (PM ₁₀) Fine Particulate Sampler (PM _{2.5}) With Gaseous Attachment
Ambient Temperature & Humidity	:	36°C & 67%
Weather Condition	:	Clear
Sample Received On	:	05/09/2023
Analysis Duration	:	05/09/2023 To 09/09/2023

TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	76.7	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1	38.5	µg /m ³	60
3.	Sulphur Dioxide (as SO ₂)	IS:5182 Part-II	11.9	µg /m ³	80
4.	Nitrogen Dioxide (as NO ₂)	IS:5182 Part-VI	30.5	µg /m ³	80


 CHECKED BY


 AUTHORIZED SIGNATORY

Terms & Conditions :

1. Test reports are valid only for the samples tested in our laboratory. 2. Samples will destroyed as per quality policy.
3. Any complaints about the report should be communicated in writing within 7 days.
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TC-11181

TEST REPORT

Ambient Air Quality Analysis

Report Code: AAQ-050923-12

Issue Date: 09/09/2023

ISSUED TO: M/S. BAJAJ HINDUSTAN SUGAR LTD.
 UNIT-KINAUNI, DISTT-MEERUT (U.P) INDIA

SAMPLING & ANALYSIS DATA

Sample Description : Ambient Air
 Date of Sampling : 04/09/2023 To 05/09/2023
 Sample Drawn By : ITS Representative
 Sampling Location : Village – Kinauni
 Sampling Plan & Procedure : IS:5182 & CPCB Guidelines
 Average Flow Rate of SPM (m³/min.) : 1.09
 Average Flow Rate of Gases (lpm) : 0.2
 Sampling Instrument Used : Respirable Dust Sampler (PM₁₀) Fine Particulate Sampler (PM_{2.5}) With Gaseous Attachment
 Ambient Temperature & Humidity : 36°C & 67%
 Weather Condition : Clear
 Sample Received On : 05/09/2023
 Analysis Duration : 05/09/2023 To 09/09/2023

TEST RESULTS

S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	70.2	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume – 1	31.9	µg /m ³	60
3.	Sulphur Dioxide (as SO ₂)	IS:5182 Part-II	8.6	µg /m ³	80
4.	Nitrogen Dioxide (as NO ₂)	IS:5182 Part-VI	22.8	µg /m ³	80


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TEST REPORT

Ambient Air Quality Analysis

Report Code: AAQ-050923-13

Issue Date: 09/09/2023

ISSUED TO: M/S. BAJAJ HINDUSTAN SUGAR LTD.
 UNIT-KINAUNI, DISTT-MEERUT (U.P) INDIA


SAMPLING & ANALYSIS DATA

Sample Description : Ambient Air
 Date of Sampling : 04/09/2023 To 05/09/2023
 Sample Drawn By : ITS Representative
 Sampling Location : Near-Guest House
 Sampling Plan & Procedure : IS:5182 & CPCB Guidelines
 Average Flow Rate of SPM (m³/min.) : 1.05
 Average Flow Rate of Gases (lpm) : 0.2
 Sampling Instrument Used : Respirable Dust Sampler (PM₁₀) Fine Particulate Sampler (PM_{2.5}) With Gaseous Attachment
 Ambient Temperature & Humidity : 32°C & 67%
 Weather Condition : Clear
 Sample Received On : 05/09/2023
 Analysis Duration : 05/09/2023 To 09/09/2023

TEST RESULTS

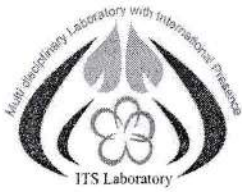
S. No.	Parameter	Test Method	Results	Units	Limits as per Environment (Protection) Act.
1.	Particulate Matter (PM ₁₀)	IS:5182 Part-XXIII	72.9	µg /m ³	100
2.	Particulate Matter (PM _{2.5})	CPCB Volume - 1	32.0	µg /m ³	60
3.	Sulphur Dioxide (as SO ₂)	IS:5182 Part-II	9.17	µg /m ³	80
4.	Nitrogen Dioxide (as NO ₂)	IS:5182 Part-VI	21.88	µg /m ³	80


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TC-11181

TEST REPORT

Noise Level Analysis

Report Code: N-050923-25

Issue Date: 09/09/2023

ISSUED TO: M/S. BAJAJ HINDUSTAN SUGAR LTD.
 UNIT-KINAUNI, DISTT-MEERUT (U.P) INDIA

SAMPLING & ANALYSIS DATA

Sample Description : Noise Monitoring
 Date of Sampling : 04/09/2023 To 05/09/2023
 Sample Drawn By : ITS Representative
 Sampling Location : Near Admin Office
 Sampling Plan & Procedure : ITS/LAB/SOP/N/02
 Sampling Instrument Used : Noise Meter
 Weather Condition : Clear
 Sample Received On : 05/09/2023
 Analysis Duration : 05/09/2023 To 09/09/2023

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.	Minimum	42.7	dB(A)	Industrial Area	75	70
2.	Maximum	58.4			Commercial Area	65
3.	Average	50.8		Residential Area	55	45
				Silence Zone	50	40


 CHECKED BY


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Details of Lab Equipments

Sl. No.	Name of equipment/Instruments	Quantity
1	pH Meter & Conductivity Meter	02
2	Electronic Balance	01
3	Muffle Furnace	01
4	Hot Air Oven	02
5	Water Bath	01
6	Mental Heater Assembly	02
7	Centrifugal Machine	01
8	COD Reflux Assembly	02
9	COD Digester	
10	BOD Incubator	01
11	Incubator	01
12	Laminar air flow	01
13	AA Spectrometer	01
14	Binocular Microscope	01
15	Culture Tubes	32
16	Autoclave	02
17	Water Distillation unit	02
18	Spectrophotometer	01
19	Orset Apparatus	01
20	Kjeldal Distillation Assembly	01
21	Kjeldal Distillation Flask	06
22	VFA Assembly	01
23	Separating Funnel	02
24	Petri dish for TBC pair	60
25	Dessicator	01
26	Stack Monitoring Kit	01
27	AAQ Monitoring Kit	02

DETAILS OF ENVIRONMENTAL CELL

Sl. No.	Name	Designation	Duties performed
1.	Mr. Pravin Kumar Srivastav	Asst. Vice President (Distillery)	Overall Incharge of Distillery
2	Mr. Ashok Prakash Gupta	General Manager(Engg)	Overall Incharge of Boiler and Maintenance
3	Mr. Devesh Kumar Shukla	Dy. General Manager (Distillery)	Incharge of Distillery Production
4	Mr. Sachin Kumar	Manager (EHS)	Overall Incharge of Unit Environment
5.	Mr. Amit Kumar	Addi. Manager (Safety)	Responsible for unit safe working Environment
6.	Mr. Amit Kumar Sisodia	Dy. Manager (ETP)	Overall Incharge of Distillery ETP, Bio-Gas and R.O. Plant
7	Dr. Ashok Kumar	Officer (Medical)	Responsible for Occupational Health
8	Mr. R.S. Tomar	AGM (Horticulture)	Incharge of Horticulture
9	Mr. Sushil Kumar	Officer (Security)	Overall in charge of Safety and Security of Distillery

TUBEWELL LOG BOOK

Meter No - A7404049

MONTH - JUNE-23

DATE	METER READING T. NO. 1 (NEAR SPRAY POND)	WATER EXTRACTION (M3)	REMARKS
01-06-23	412361	725	Ⓟ
02-06-23	413096	731	Ⓟ
03-06-23	413817	725	Ⓟ
04-06-23	414527	718	Ⓟ
05-06-23	415260	732	Ⓟ
06-06-23	415992	744	Ⓟ
07-06-23	416736	746	Ⓟ
08-06-23	417482	750	Ⓟ
09-06-23	418232	722	Ⓟ
10-06-23	418954	701	Ⓟ
11-06-23	419655	699	Ⓟ
12-06-23	420354	10	Ⓟ
13-06-23	420364	8	Ⓟ
14-06-23	420372	5	Ⓟ
15-06-23	420377	7	Ⓟ
16-06-23	420384	25	Ⓟ
17-06-23	420409	100	Ⓟ
18-06-23	420509	141	Ⓟ
19-06-23	420650	205	Ⓟ
20-06-23	420855	624	Ⓟ
21-06-23	421479	630	Ⓟ
22-06-23	422109	638	Ⓟ
23-06-23	422747	635	Ⓟ
24-06-23	423382	630	Ⓟ
25-06-23	424012	622	Ⓟ
26-06-23	424634	640	Ⓟ
27-06-23	425274	632	Ⓟ
28-06-23	425906	635	Ⓟ
29-06-23	426541	642	Ⓟ
30-06-23	427183	645	Ⓟ
01-07-23	427828	-	-
	TOTAL	15467	

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Meter no. - 47404049

MONTH - July - 2023

DATE	METER READING T. NO. 1 (NEAR SPRAY POND)	WATER EXTRACTION (M3)	REMARKS
01.07.23	427828	630	Ur
02.07.23	428458	635	Ur
03.07.23	429093	620	Ur
04.07.23	429713	624	Ur
05.07.23	430337	631	Ur
06.07.23	430968	622	Ur
07.07.23	431590	625	Guel Jan
08/07/23	432215	631	Guel Jan
09/07/23	432846	625	Guel Jan
10/07/23	433471	144	Guel Jan
11/07/23	433615	620	Guel Jan
12/07/23	434235	622	Guel Jan
13/07/23	434857	625	Guel Jan
14/07/23	435482	629	Guel Jan
15/07/23	436111	621	R
16/7/23	436732	632	R
17/7/23	437364	630	R
18/7/23	437994	625	R
19/7/23	438619	621	R
20/7/23	439240	320	R
21/7/23	439560	520	R
22/7/23	440080	518	Ur
23/7/23	440598	521	Ur
24/7/23	441119	516	Ur
25/7/23	441635	440	Ur
26/7/23	442075	510	Ur
27/7/23	442585	512	R
28/7/23	443097	568	R
29/7/23	443605	448	R
30/7/23	444053	400	Guel Jan
31/7/23	444453	405	Guel Jan
01/08/23	444858		
	TOTAL	17030	

Distillery Division, Kinnauri (Meerut)

TUBEWELL LOG BOOK

49

Meter No:- 47404049

MONTH - August - 2023

DATE	METER READING T. NO. 1 (NEAR SPRAY POND)	WATER EXTRACTION (M3)	REMARKS
01.08.23	444858	501	⊙
02.08.23	445359	520	⊙
03.08.23	445879	524	⊙
04.08.23	446403	510	⊙
05.08.23	446913	525	⊙
06.08.23	447438	522	⊙
07.08.23	447960	540	⊙
08.08.23	448500	511	⊙
09.08.23	449011	508	⊙
10.08.23	449519	505	⊙
11.08.23	450024	501	⊙
12.08.23	450525	505	⊙
13.08.23	451030	502	⊙
14.08.23	451532	511	⊙
15.08.23	452043	506	⊙
16.08.23	452549	504	⊙
17.08.23	453053	490	⊙
18.08.23	453543	502	⊙
19.08.23	454045	507	⊙
20.08.23	454545	505	⊙
21.08.23	455050	501	⊙
22.08.23	455551	90	⊙
23.08.23	455641	7	⊙
24.08.23	455648	5	⊙
25.08.23	455653	7	⊙
26.08.23	455660	6	⊙
27.08.23	455666	5	⊙
28.08.23	455671	40	⊙
29.08.23	455711	100	⊙
30.08.23	455811	614	⊙
31.08.23	456425	640	⊙
01-9-23	457065	—	—
TOTAL		12207	

Ajay 1-9-23

01/09/23



Distillery Division, Coimbatore

TUBEWELL LOG BOOK

Meter no - 47404049

MONTH - Sep - 2023

DATE	METER READING T. NO. 1 (NEAR SPRAY POND)	WATER EXTRACTION (M3)	REMARKS
01.09.23	457065	625	Paltas
02.09.23	457690	620	Paltas
03.09.23	458310	624	Paltas
04.09.23	458934	312	Paltas
05.09.23	459246	628	Paltas
06.09.23	459874	620	Paltas
07.09.23	460494	623	Paltas
08.09.23	461117	480	Paltas
09.09.23	461597	25	⊙
10.09.23	461622	15	⊙
11.09.23	461637	17	⊙
12.09.23	461654	22	⊙
13.09.23	461676	450	⊙
14.09.23	462126	460	⊙
15/09/23	462586	360	⊙
16/09/23	462946	380	⊙
17/09/23	463326	40	⊙
18/09/23	463366	5	Paltas
19.9.23	463371	7	Paltas
20.9.23	463378	10	Paltas
21.9.23	463388	8	Paltas
22.9.23	463396	6	Paltas
23.9.23	463402	4	Paltas
24.9.23	463406	3	Paltas
25.9.23	463409	4	Paltas
26.9.23	463413	5	Paltas
27.9.23	463418	8	Paltas
28.9.23	463426	7	Paltas
29.9.23	463433	5	Paltas
30.9.23	463438	3	Abhishek
01.10.23	463441		Abhishek
		6376	
	TOTAL		

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12



BAJAJ HINDUSTHAN SUGAR LTD.

Kinauni Distillery-Meerut

Production data APRIL -2023 to SEP- -2023

MONTH	TOTAL PRODUCTION IN B.L. B+C HAEVY MOLASSES	WORKING DAYS	Average prod.BL/Day
Apr-23	4601000.0	28.3	162867.3
May-23	3430000.0	30.8	111280.8
Jun-23	3299990.0	22.5	146666.2
Jul-23	3842000.0	29.8	129142.9
Aug-23	3183266.0	24.0	132636.1
Sep-23	1715454.0	11.3	151363.6
TOTAL	20071710.0	146.66	136862.29

Authorised Signatory
Bajaj Hindusthan Sugar Ltd
Kinauni Distillery, Meerut

PRAVIN KUMAR SRIVASTAVA
Asst. Vice President
(KINAUNI DISTILLERY)

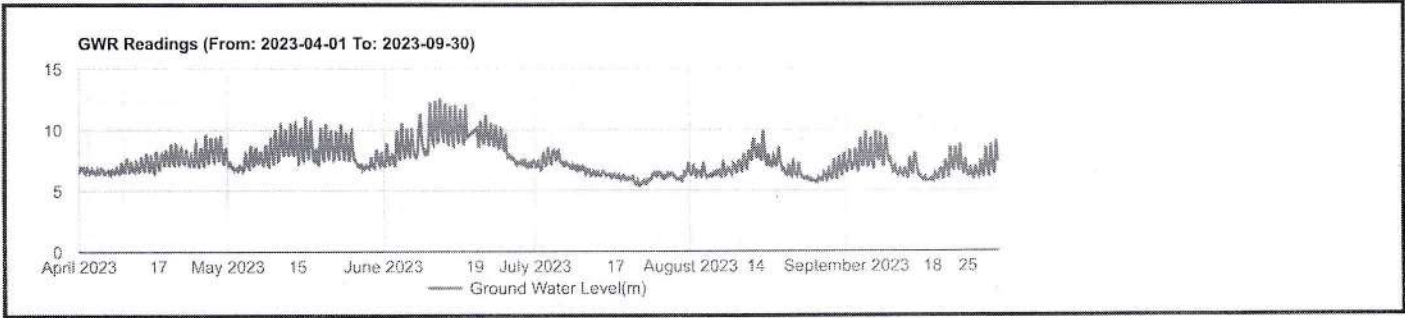


**Bajaj Hindusthan Sugar Ltd (Distillery Divison)
Kinauni, Meerut (U.P)**

S.No	Month	Spent Wash Generation (m³)
1	Apr-23	29930
2	May-23	22205
3	Jun-23	23789
4	Jul-23	30652
5	Aug-23	25134
6	Sep-23	11709
TOTAL		143419



BHSL KINAUNI DISTILLERY MEERUT



Ground Water Level

6.41 metres

Last Updated on 2023-11-30 12:00:02

Start Date

01-04-2023

End Date

30-09-2023

[Download Data](#)

Material Balance & water balance of Kinrauni Distillery (Metric)

WATER FROM BOREWELL 1200.00 M³

FERMENTATION		M3	368
Total water consumption			
Total Input			
Water	M3	462	
Spent lees	M3	226	
DM-EG reject	M3	1.00	
Water in Fermenter (Distillation Vacuum pump)	M3	36	
Process water	M3	360	
CPU (RO) permeate	M3	248	
Wash water	M3	156.2	
Colours control	M3	7	
W.M. Cleaning & floor washing	M3	2	
Water for lab. working	M3	2	
Water for toilet and wash room	M3	8	
Coloured effluent	M3	1570	
Total			
Total Out put			
Fermented wash		1562	
Total colour effluent feed to wash		622	
Total			1552

DISTILLATION		M3	106
Total water consumption			
Input			
Wash feed to Distillation	M3	1562	
Direct steam to analyzer	M3	34	
Direct steam to rectifier	M3	0	
Vacuum pump water	M3	36	
Water in Fast Oil decanter	M3	38	
Water in Vent Separator	M3	28	
Distillation, Glard cooling + Floor washing	M3	4	
Total		1702	
Output			
Product	M3	160	
Spent wash	M3	1280	
Spent lees (recycle to M&E distill)	M3	226	
Vacuum pump water (recycle for med. distill)	M3	36	
Total		1702	

COOLING TOWERS (PERM/DIST/MEET/CT/TO)		M3	75
Total water consumption			
Input			
Make-up water	M3	75	
CPU (RO) water	M3	641	
Total		716	
Output			
M&E distill down to CPU (RO)	M3	40	

M&E		M3	7
Total water consumption			
Input			
Spent wash from distillation	M3	1280	
Colored water from Glard cooling	M3	6	
Water from floor washing	M3	7	
M&E Glard cooling + Floor washing	M3	181	
CPU (RO) reject	M3	370	
Total		1884	
Output			
Spent wash	M3	346	
Process condensate to CPU (RO)	M3	1130	
Total		1476	

ANIONIC STRIPP		M3	1130
Total water consumption			
Input			
M&E condensate from M&E Plant	M3	1130	
Total		1130	
Output			
Ammonia rich water to M&E distill	M3	90	
Process condensate to CPU (RO)	M3	1040	

COILER		M3	928
Total water consumption			
Input			
Spent wash from M&E distill	M3	928	
Total		928	
Output			
Process condensate from Dist & M&E	M3	366	
Water flow down to CPU	M3	11	

DM-EG		M3	650.0
Total water consumption			
Input			
Prep. water	M3	650	
Total		650	
Output			
Permeate	M3	520	
Reject	M3	130	

RO (in using as CPU)		M3	1920
Total water consumption			
Input			
Process condensate after ammonia stripper	M3	1040	
Pre-RO regeneration	M3	30	
Backwash	M3	20	
GL&T Blow down	M3	122	
CT Blow down Fermentation	M3	3	
CT Blow down Distillation	M3	20	
CT Blow down M&E	M3	8	
Softener chemical	M3	10	
Final back wash	M3	30	
Total		1170	
Output			
Permeate	M3	985	
Reject	M3	181	

PRAVIN KUMAR SRIVASTAVA
Asst. Vice President
(KINRAUNI DISTILLERY)