

01.04.2023

The Regional Director ( Central Zone)  
Ministry of Environment , Forest & Climate Change  
Regional Office, Kendriya Bhawan  
5<sup>th</sup> Floor, Sector "H" Aliganj  
Lucknow-206020 (U.P.)

**SUB: Compliance Report (October,2022 to March,2023) of Environmental Clearance of 110 KLD Molasses based Distillery &2.5 MW Co- gen.**

Dear Sir,

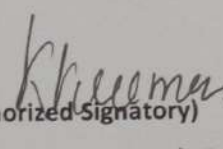
As per stipulated condition of Environmental Clearance granted to us for 110 KLD Molasses based Distillery and 2.5 MW co-gen. dated 15<sup>th</sup> Oct 2020

We are submitting six-monthly compliance report of Environmental Clearance along with pertinent enclosures.

Thanking you.

Yours faithfully

For Dalmia Bharat Sugar & industries ltd .  
Distillery - Unit; Nigohi

  
(Authorized Signatory)

Encl:

- Annex.- 1. (I) Stack Emission Report , (II) Noise Level Report ,(III) Ambient Air Report .
- Annex. - 2. Health Surveillance Report .
- Annex.- 3. CSR expense details
- Annex. - 4. Environment Statement of FY Ending March 2022
- Annex. - 5 UPGWD NOC
- Annex. - 6 Environmental cell

- CC : 1.Regional Director,Central Pollution Control Board (Zonal Office ),Lucknow  
2. Chief Environment Officer (C-7), U.P. Pollution Control Board, Lucknow.  
3. The Regional Officer, U.P. Pollution Control Board , Bareilly .

**Name of Project:** 110 KLPD Distillery Unit by M/s Dalmia Bharat Sugar & Industries Ltd, Distillery -Unit Nigohi, at Village Kuiyan, Post -Areli, Tehsil -Tilhar, District Shahjahanpur in Uttar Pradesh.

**Project Proponent:** Dalmia Bharat Sugar & Industries Ltd, Distillery -Unit Nigohi.

**Period Of Compliance :** October 2022 to March 2023

**Ref:** EC Letter no. J-11011/315/2017 -IA II (I) dated 15<sup>th</sup> Oct 2020

S.No	Conditions	Compliance Status
Specific Condition given in EC letter dated 15th Oct, 2020		
(a)	Consent of Establish/ Operate for the project shall be obtained from the state Pollution Control Board as required under the Air(Prevention and Control of pollution) Act,1981 and the Water(Prevention and Control of Pollution) Act, 1974.	Consent to Establish vide ref no. 101303 / UPPCB / Bareilly (UPPCBRO/CTE/SHAHJAHANPUR/2020 DATED 06.01.2021.  Consent to Operate vide ref. No 167418/UPPCB/Bareilly(UPPCBRO)/CTO/b oth/SHAHJAHANPUR /2022 dated 08/11/2022 have been obtained from UPPCB.
(b)	As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises.	The plant is completely based on Zero Liquid Discharge.  Water Balance Chart send with previous compliance report.
(c)	Necessary authorization required under the Hazardous and other wastes(Management and Trans - Boundary	19363/UPPCB/Bareilly(UPPCBRO)/HW M/SHAHJAHANPUR /2023 dated 30.01.2023, valid till 29/01/2028  Provisions of the Authorization will strictly



	Movement) Rules, 2016, Solid Waste Management Rules, 2018 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	be followed. Authorization Copy provided with Previous compliance report. No hazardous sold from this plant.
(d)	To control source and the fugitive emissions, suitable pollution control devices shall be installed to the prescribed norms and/or the NAAQS. The gaseous emission shall be dispersed through stack of adequate height as per CPCB/SPCB guidelines.	Electrostatic precipitator has already been installed as Air Pollution Control Device to meet out of prescribed norms and/or the NAAQS. Height of stack is 65 meter to control the gaseous emission. Stack emission report attached as Annexure-1
(e)	Total fresh water requirement shall not exceed 500 cum/day proposed to be met from ground water. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard.	We are using fresh water as per Environment Clearance and we have been obtained NOC from UPGWD Lucknow From Ministry Jal Shakti UP. Government of Uttar Pradesh Annexure-5 attached.
(f)	Industrial/trade effluent shall be segregated into high COD/TDS and low	Industrial effluent is being segregated in to high COD /TDS effluent is being concentrated through MEE & feed to Incineration Boiler

	COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD (Agitator thin film drier). Low TDS effluent stream shall be treated in ETP followed by RO to meet the prescribed standards.	as fuel and low COD / TDS effluent evaporated from MEE is being treated through RO, to meet out of the prescribed standard and use in the fermentation and cooling tower as make up water.
(g)	Process effluent/any wastes water shall not be allowed to mix with storm water from the premises shall be collected and discharged through a separate conveyance system.	No waste water and storm water mix with each other and the same is being used in incineration boiler as fuel and cooling tower. No waste water is being discharge outside from premises.
(h)	Hazardous chemicals, if any, shall be stored in tanks, Tank farms drums, carboys etc. Flame arresters shall be provided on tanks farms and the solvent transfer through pumps.	Hazardous chemicals is being stored in drums and flame arresters are provided on tanks farms and the solvent through pumps.
(i)	Process organic residue and Spent carbon, If any, shall be Sent to	Presently no such residue has been generated. We have a contract with TSDF authorized recycler to dispose off the process organic residue.



	cement industries. ETP Sludge, process inorganic & Evaporation salt shall be disposed off to the TSDF.	
(j)	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of hazardous Chemicals (MCIHC) Rules, 1989 as amended time to time. All transportation of Hazardous Chemicals shall be as per the Motor Vehicle Act (MVA), 1989.	We strictly comply the rules guidelines under storage of hazardous chemicals and transportation of hazardous chemicals.
(k)	The company shall undertake waste minimization measures as below-Metering and controls of quantities of active ingredients to minimize waste. Reuse of by-products from the process as raw material substitutes in other processes. Use of automated filling to minimize	<p>Complied with.</p> <p>Applicable steps have been taken to minimize waste generation as below:-</p> <p>We have done metering of all required points and control major to minimize waste.</p> <p>Slop obtained from MEE plant is being re used as fuel in incineration boiler.</p> <p>Control measures done to minimize spillage.</p> <p>We have installed close feed system in all tanks.</p>

	<p>spillage. Use of close feed system into batch reactors. Venting equipment through vapour recovery system. Use of high-pressure hoses for equipment cleaning to reduce waste water generation.</p>	<p>We have installed such venting equipment. We are using Hydro jet pumps for cleaning to reduce waste water generation.</p>																																			
(l)	<p>The green belt of 5-10 m width shall be developed in more than 33% of the total project area, mainly along the plant periphery, in downward wind direction, and along road sides etc. Selection of the plant species shall be as per the CPCB guidelines in consultation with state forest Department.</p>	<p>The green belt development work is under progress as per CPCB guidelines at more than 33% area of total project area. We have planted more than 1500 saplings in the first year itself as per acting plan mentioned below-</p> <table border="1" data-bbox="583 1108 1327 1570"> <thead> <tr> <th>Sr. No</th> <th>Planning Schedule</th> <th>No. of Saplings</th> <th>Area (Ha.)</th> <th>Width of green belt</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>1st Year</td> <td>1500</td> <td>1.0</td> <td>5 m</td> </tr> <tr> <td>2.</td> <td>2nd Year</td> <td>1500</td> <td>1.0</td> <td>5 m</td> </tr> <tr> <td>3.</td> <td>3rd Year</td> <td>1500</td> <td>1.0</td> <td>5 m</td> </tr> <tr> <td>4.</td> <td>4th Year</td> <td>1500</td> <td>1.0</td> <td>5 m</td> </tr> <tr> <td>5.</td> <td>5th Year</td> <td>750</td> <td>0.5</td> <td>5 m</td> </tr> <tr> <td></td> <td></td> <td><b>6750</b></td> <td><b>4.5</b></td> <td></td> </tr> </tbody> </table>	Sr. No	Planning Schedule	No. of Saplings	Area (Ha.)	Width of green belt	1.	1st Year	1500	1.0	5 m	2.	2nd Year	1500	1.0	5 m	3.	3rd Year	1500	1.0	5 m	4.	4th Year	1500	1.0	5 m	5.	5th Year	750	0.5	5 m			<b>6750</b>	<b>4.5</b>	
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(m)	<p>All the commitments made regarding issues raised during the public hearing/consultation</p>	<p>Issues raised during the public hearing/consultation meeting are being implemented.</p>																																			



	meeting shall be satisfactorily implemented.	
(n)	At 2 % of total project cost shall be allocated for corporate Environment Responsibility (CER) and item-wise details along with the bound acting plan shall be prepared and submitted to the ministry's Regional Office.	Company is implementing CSR activity through Dalmia Bharat Foundation and already spent about Rs. 79 Lakh on various activities like water conservation, electricity conservation, soil conservation, drip irrigation, skill development, and Social Infrastructure etc. Expenses details are enclosed herewith as Annexure - 3
(o)	For the DC sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosures shall be for the controlling noise pollution.	We have not installed DG sets in our unit because we are generating Electricity from our power turbine.
(p)	The unit shall make the arrangement for protection of possible fires hazards during manufacturing process in material handling. Fire fighting systems shall be as per the norms.	Automatic Fire hydrant systems has been installed and portable Fire Extinguishers are kept as per norms.

(q)	Occupational health surveillance for the workers shall be done on a regular basis and records maintained as per the Factory Act.	Occupational health surveillance conducting for 64 employees of unit during October-22 to Mar-23 indicates that none of the individual is suffering from any infectious diseases. Report attached as Annexure-2 attached.
(r)	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside of public places.	We have sufficient space for vehicle of materials and finished products inside the premises.
(s)	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	To prevent dust pollution and other fugitive emissions; 99% raw materials will be used through covered conveying system or pipelines. Small quantities are kept in locked and covered drums.
(t)	Continuous online (24X7) monitoring systems for the stacks emissions shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the CPCB and SPCB	Continuous online (24X7) monitoring system for stack emission has been installed for measurement of flue gas discharge and the pollutants concentration, and the data are being transmitted to the CPCB and SPCB server.  For online continuous monitoring of effluent, the unit had installed web camera with night vision capability and flow meters in the pipeline carrying



	server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.	effluent within the premises.
(u)	CO2 generated from the process shall be bottled and sold to authorized vendors.	We are planning and exploring possibilities for the same.
10.1	Other generic Conditions	
(i)	The project authorities must strictly adhere to the stipulations made by the State pollution Control Board (SPCB), State Government and/or any other statutory authority.	We strictly adhere to the stipulations made by U.P. Pollution control board and state Government.
(ii)	No further expansion or modifications in the plants shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change. In the case of deviations	Desire approval will be taken prior to further expansion or modification.

	<p>or alterations in the projects proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the ministry to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.</p>	
(iii)	<p>The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.</p>	<p>Ambient air monitoring stations have already been set up to monitor air quality. We have conducted Advanced Environment Testing &amp; Research Lab P. Ltd. New Delhi through Eco Tech Corporation Shahjahanpur for monitoring of Air Ambient quality, Effluent analysis.</p>
(iv)	<p>The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th</p>	<p>For National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 are being complied with Monitoring report attach as Annexe-1</p>



	November, 2009 shall be complied with.	
(v)	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 shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz.75dBA (day time) and 70 dBA (night time).	For noise control, we have installed silence and acoustic enclosures on all sources of noise generation Maintained within limit. Reports attach as- Annexe-1
(vi)	The company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and utilize the same for different industrial operations within the plants.	Rain water from the roof tops of the building is being stored in storage tanks and used the same water for the process activities of the project to conserve fresh water. We have also adopted ponds for natural recharge.
(vii)	Training shall be imparted to all employees on safety	Complied with. Periodic training to all employees on safety & health aspects is prepared &

	<p>and health aspects of chemicals handling. Pre- employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.</p>	<p>implementing under the supervision of safety Committee. Periodical medical examination of employees is being carried out half-yearly. (Details attached)</p>
(viii)	<p>The company shall comply with all the environment protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.</p>	<p>All the environmental protection measures and safe guards of E.I.A./E.M.P. report are being followed accordingly.</p>



(ix)	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for overall improvement of the environment.	We are running activities in different nearby villages, the activities include, sanitation, Education, Drinking water facilities etc. Annexure- 3 attached.
(x)	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environment Management cell having 10 members working accordingly and laboratory have been set up to control Environmental parameters. Annexure -6 attached.
(xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the	Provision of funds as capital cost-Rs-10.00 Crore. Investing capital cost Rs-5.0 Crore. Recurring expenditure done to implement the conditions of MoEF & State Government. Rs-10.0 Lakh.

	<p>conditions stipulated by the Ministry of Environment, Forest and Climate Change as well as the State Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment/pollution control measures shall not be diverted for any other purpose.</p>	
(xii)	<p>A copy of the clearance letter shall be sent by the project proponent to concerned Panchayat, Zila Parishad/Municipal Corporation, Urban local body and the local NGO, if any, from whom suggestions/representations, if any, were received while processing the proposal.</p>	<p>A copy of the clearance letter has been sent to block levels panchayat Samiti.</p>
(xiii)	<p>The project proponent shall also submit six monthly reports on the</p>	<p>Compliance Report along with monitoring data are being submitted accordingly.</p>



	<p>status of compliance of the Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF &amp; CC, the respective Zonal office of CPCB &amp; SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of company.</p>	
(xiv)	<p>The environmental statement for each financial year ending 31st March in Form-V as in mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with</p>	<p>Environmental Statement for the financial year ending 31st March, 2022 is submitted on 11th of May 22 and copy of same is attached Annexe-4</p>

	the status of compliance of Environment Clearance and shall also be sent to the respective Regional offices of MoEF & CC by e-mail.	
(xv)	The project proponent shall inform the public that the project has been accorded environmental Clearance by the Ministry and the copies of the Clearance letter are available with the SPCB/Committee and may also be sent at website of the Ministry at <a href="http://moef.nic.in">http://moef.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least 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 at the same shall be forwarded to	We have already published the according of Environmental Clearance in local Newspapers. Hindustan Times on dated 06.06.2018 and Rashtriya Sahara on 05.06.2018.

	the concerned Regional office of the Ministry.	



Signature & Seal

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CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)

Approved: by Occupational Health & Safety Management (ISO45001:2018)

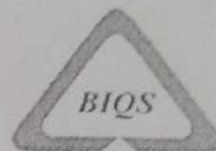
Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,

Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aelgwalior@gmail.com, aetrilcenter@gmail.com

Web: aetri.com



### TEST REPORT

Company Name: DalmiaBharat Sugar and Industries Ltd. Date of Issue: 18.01.2023  
Distillery Unit- Nigohi  
Address: Vill- Kuiyan Po.- Areli, Shahjahanpur, UP Monitoring Date: 11.01.2023  
Nature of Sample: Flue gas emission of Boiler  
Location Point: BOILER STACK Sampling Done By: Sampling Staff  
Stack Height: 65.0 Mtr. Diameter of Stack: 2.5Mtr.  
Type of fuel used: Bagasse/Spent Wash Pollution Control Devices: ESP  
Height of Sampling Location: 25.0 Mtr. Material of Construction: RCC  
Capacity: 24.0 Ton

### PHYSICAL OBSERVATIONS

Ambient temperature °C : 16.0  
Flue gas temperature °C : 121.0  
Velocity of flue gas m/s : 14.26  
Sampling flow rate (LPM) : 13.02

### TEST RESULT

S.No.	Parameter	Pollutant Concentration (on the bases of 12 % CO <sub>2</sub> )	Limits
1	Particulate Matter mg/Nm <sup>3</sup>	87.69	150
2	Sulphur Dioxide (SO <sub>2</sub> ) mg/Nm <sup>3</sup>	14.03	NOT SPECIFIED
3	Oxides of Nitrogen (NO <sub>2</sub> ) mg/Nm <sup>3</sup>	09.45	NOT SPECIFIED

(Authorized signature)

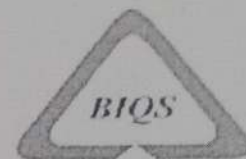
# Advanced Environmental Testing And Research Lab P. Ltd.

CIN: U73100MP2002PTC016352

GSTIN: 23AAECA9188L1Z8

Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)  
Approved: by Occupational Health & Safety Management (ISO45001:2018)

Registered Office: 63/1, Kallash Vihar, Near Income Tax Office, City Center-II,  
Gwalior-474 011, M.P., India  
☎0751-3566867, 2232177  
Email: aetgwalior@gmail.com, aetrlcenter@gmail.com  
Web: aetrl.com



## TEST REPORT

Company Name: Dalmia Bharat Sugar and Industries Ltd.

Distillery Unit- Nigohi

Address: Vill- Kuiyan Po.- Areli, Shahjahanpur, UP

Nature of Sample: Ambient Air Monitoring

Sample Location: Near Admin Block

Sampling Duration: 24 Hrs

Date of Issue: 18.01.2023

Monitoring Date: 11.01.2023

Qty of sample: 30ml

Sample bottle: Plastic packing

Sampling Done By: Sampling Staff

Equipment used: Respirable Dust Sampler  
(APM 460- 410) PM 2.5

## TEST RESULT

S. No.	Parameters	Protocol	Unit	Result	Standards
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182:Part2:2001	µg/m <sup>3</sup>	14.76	80/Day
2.	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182:Part6:2006	µg/m <sup>3</sup>	12.36	80/Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg/m <sup>3</sup>	48.31	100/Day
4.	Particulate matter (less than 2.5 µm)	USEPA CFR40 (50), Appendix L	µg/m <sup>3</sup>	09.42	60/Day
5.	Ozone (O <sub>3</sub> )	IS 5182:Part9:1974	µg/m <sup>3</sup>	8.46	100/8*Hours
6.	Lead (Pb)	IS 5182:Part22:2004	µg/m <sup>3</sup>	ND	1.0/Day
7.	Carbon Mono Oxide (CO)	IS 5182:Part10:1999	mg/m <sup>3</sup>	0.26	02/8*Hours
8.	Ammonia (NH <sub>3</sub> )	APHA 401 (Indophenol)	µg/m <sup>3</sup>	7.63	400/Day
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182:Part 11:2006	µg/m <sup>3</sup>	<0.1	05/Annual
10.	Benzo (a) Pyrene (BaP) Particulate Phase only	IS 5182:Part12:2004	µg/m <sup>3</sup>	ND*	01/Annual
11.	Arsenic (As)	IS 5182:Part22:2004	µg/m <sup>3</sup>	ND	06/Annual
12.	Nickel (Ni)	IS 5182:Part22:2004	µg/m <sup>3</sup>	0.32	20/Annual

(Authorized signature)





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☎ 0751-3566867, 2232177  
Email: aetlgwalior@gmail.com, aetrlcenter@gmail.com  
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## TEST REPORT

Company Name: Dalmia Bharat Sugar and Industries Ltd.

Distillery Unit- Nigohi

Address: Vill- Ruiyan Po.- Areli, Shahjahanpur, UP

Nature of Sample: Ambient Air Monitoring

Date of Issue: 18.01.2023

Monitoring Date : 11.01.2023

Qty of sample: 30ml

Sample bottle: Plastic packing

Sample Location: Near Boiler Gate

Sampling Duration: 24 Hrs

Sampling Done By: Sampling Staff

Equipment used: Respirable Dust Sampler  
(APM 460- 410) PM 2.5

## TEST RESULT

S. No.	Parameters	Protocol	Unit	Result	Standards
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2.	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182:Part6:2006	µg/m <sup>3</sup>	14.06	80/Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg/m <sup>3</sup>	58.85	100/Day
4.	Particulate matter (less than 2.5 µm)	USEPA CFR40 (50), Appendix L	µg/m <sup>3</sup>	11.36	60/Day
5.	Ozone (O <sub>3</sub> )	IS 5182:Part9:1974	µg/m <sup>3</sup>	8.82	100/8*Hours
6.	Lead (Pb)	IS 5182:Part22:2004	µg/m <sup>3</sup>	ND	1.0/Day
7.	Carbon Mono Oxide (CO)	IS 5182:Part10:1999	mg/m <sup>3</sup>	0.20	02/8*Hours
8.	Ammonia (NH <sub>3</sub> )	APHA 401 (Indophenol)	µg/m <sup>3</sup>	8.2	400/Day
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182:Part 11:2006	µg/m <sup>3</sup>	<0.1	05/Annual
10.	Benzo (a) Pyrene (BaP) Particulate Phase only	IS 5182:Part12:2004	µg/m <sup>3</sup>	ND*	01/Annual
11.	Arsenic (As)	IS 5182:Part22:2004	µg/m <sup>3</sup>	ND	06/Annual
12.	Nickel (Ni)	IS 5182:Part22:2004	µg/m <sup>3</sup>	0.28	20/Annual

(Authorized Signature)



# Advanced Environmental Testing And Research Lab P. Ltd.



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Email: aetgwalior@gmail.com, aetrlcenter@gmail.com  
Web: aetrl.com



## TEST REPORT

Company Name: Dalmia Bharat Sugar and Industries Ltd.

Date of Issue: 18.01.2023

Distillery Unit- Nigohi

Address: Vill- Kuiyan Po.- Areli, Shahjahanpur, UP

Monitoring Date : 11.01.2023

Nature of Sample: Noise Monitoring

Sampling Done By: Sampling Staff

monitoring Duration :24 Hrs

## TEST RESULT

S.No.	Location	Noise Level in dB(A)	
		Day	Night
1.	Near CPU	72.2	67.4
2.	Fermentation	64.1	55.2

### Noise Work area- Factory Act-1948

Area Code

Category of area

Limit in dB(A) Leq

A

Industrial Area

85

### Ambient Noise Standards

Type of Area	Limits in dB(A) Leq*	
	Day Time	Night Time
Industrial Area	75	70
Commercial Area	65	55
Residential Area	55	45
Silence Zone	50	40

\*dB (A) Leq denotes the time weighted average of the sound level in decibels on scale A which is relatable to human hearing.

Source: Pollution Control Acts Rule and Notifications issued there under, by Pollution Control Law Series: PCLS/02/2006(Fifth Edition) of Central Pollution Control Board, January 2006, pp 926.

Day and Night time shall mean from 6:00 a.m. to 10:00 p.m. and 10:00 p.m. to 6:00 a.m. respectively.

(Authorized signature)

**Dalmia Bharat Sugar & Industries Ltd. Nigohi Distillery, Shahjhanpur**  
**Employee Approval List for the Year 2023-24**

Sr.No	E Code	Employee Name	Father Name	Designation	Date of Birth	Date of Joining	Medical Report	Remark
1	0008650	Narendra Singh Rawat	S/O D. S. RAWAT	Distillery Head	15-04-1979	25-12-2017	Medical Test Report Found OK	Examination conducted Vision, Chest, Spleen Liver, Skin, Blood Sugar, Blood Pressure, Personal Hygiene
2	1029912	Amit Kumar	Ramkishore	Deputy Manager	7-Jan-1981	1-Apr-2021	Medical Test Report Found OK	
3	1031190	Amit Sharma	Devkumar Sharma	Deputy Manager	15-Jul-1992	21-Jul-2021	Medical Test Report Found OK	
4	0009796	Mukesh Singh Chauhan	S/O NATTHU SINGH CHAUHAN	Asstt Manager	07-06-1980	03-08-2019	Medical Test Report Found OK	
5	10005815	Manesh Kumar Gangwar	Beche Lal Gangwar	Warehouse Clerk	21-Mar-1987	27-May-2021	Medical Test Report Found OK	
6	400052	Ajay Kumar Sharma	S/O SURAJ PAL SHARMA	Warehouse Operator	03-08-1970	26-12-2019	Medical Test Report Found OK	
7	10006182	Ajayraj Raghuvanshi	Surendra Singh	Warehouse Operator	30-Aug-1990	1-Oct-2022	Medical Test Report Found OK	
8	1041201	Abhay Kumar Srivastava	Pramod Kumar Srivastava	Sr. Shift Chemist	2-Jul-1984	15-Mar-2023	Medical Test Report Found OK	
9	1041239	Ismit Pandey	Virendra Kumar Pandey	Sr. Shift Chemist	11-Aug-1998	15-Mar-2023	Medical Test Report Found OK	
10	400062	Mamohan Singh	S/O SHIVCHANDRA SINGH	Shift Incharge	10-07-1991	12-03-2020	Medical Test Report Found OK	
11	0010033	Anuj Yadav	S/O MAHESH CHAND YADAV	Executive - Environment	16-11-1995	17-10-2019	Medical Test Report Found OK	
12	0010159	Shivam Pandey	S/O SHIV BAHADUR PANDEY	Shift Chemist	08-10-1998	07-12-2019	Medical Test Report Found OK	
13	0010160	Jai Bharat Singh	S/O RAM MOHAN SINGH	Shift Chemist	08-09-1991	07-12-2019	Medical Test Report Found OK	
14	0010272	Ajay Kumar Gautam	S/O LATE SHYAM LAL	Shift Engineer	01-06-1982	15-01-2020	Medical Test Report Found OK	
15	400002	Bhupendra Kumar	S/O SUNDER LAL VERMA	Distillation Operator	03-07-1984	05-09-2018	Medical Test Report Found OK	
16	10005813	Satendra Yadav	Heera Lal Yadav	Distillation Operator	6-May-1992	18-May-2021	Medical Test Report Found OK	
17	10005840	Anuj	Jai Beer	Distillation Operator	4-Nov-1996	14-Aug-2021	Medical Test Report Found OK	
18	10006008	Anil Kumar	Pawan Kumar	Distillation Operator	10-Dec-1993	28-Dec-2021	Medical Test Report Found OK	
19	10006080	Sanjay Kumar	Suresh Kumar	Distillation Operator	18-Jun-1990	13-Apr-2022	Medical Test Report Found OK	
20	10006099	Nand Lal Maurya	Tameshwar Maurya	Distillation Operator	17-Jul-1980	9-Jun-2022	Medical Test Report Found OK	

Examination conducted Vision, Chest, Spleen Liver, Skin, Blood Sugar, Blood Pressure, Personal Hygiene

*Amit Singh*  
**Dr. Amit Singh**

Reg. No. 69695937  
 Dalmia Bharat Sugar & Industries Ltd.  
 Sugar Unit-Nigohi  
 Shahjhanpur (U.P.) 242 401

Sr.No	E Code	Employee Name	Father Name	Designation	Date of Birth	Date of Joining	Medical Report	Remark
21	10006161	Anshuman Pandey	Dev Sharma Pandey	Distillation Operator	1-Jul-1995	5-Sep-2022	Medical Test Report Found OK	Examination conducted Vision, Chest, Spleen Liver, Skin, Blood Sugar, Blood Pressure, Personal Hygiene
22	400004	Anuj Kumar	S/O RAM PRATAP	Fermentation Operator	30-12-1989	07-09-2018	Medical Test Report Found OK	
23	10005841	Arvind Singh Rawat	Matwar Singh	Fermentation Operator	28-Jul-1992	14-Aug-2021	Medical Test Report Found OK	
24	10005842	Prabhat Babu	Dharmendra	Fermentation Operator	10-Jul-1997	14-Aug-2021	Medical Test Report Found OK	
25	10006330	Jagdish Prasad	Ganesh Prasad	Fermentation Operator	22-Jul-1975	19-Dec-2022	Medical Test Report Found OK	
26	10006086	Yash Kumar	Kallu Singh	Fermentation Helper	1-Jun-1999	9-May-2022	Medical Test Report Found OK	
27	400013	Govind Singh	S/O JAVEER SINGH	Fermentation Helper	01-11-1987	28-02-2007	Medical Test Report Found OK	
28	400007	BANWARI LAL	S/O SHRI SHIVRAM	Molasses Pumpman	10-07-1969	19-10-1994	Medical Test Report Found OK	
29	400008	RAM BHAIAN	S/O GANGU	Molasses Pumpman	11-03-1975	18-01-1995	Medical Test Report Found OK	
30	400001	Premi Pal	S/O RAM RATAN	SENIOR ELECTRICIAN	15-03-1972	20-08-2018	Medical Test Report Found OK	
31	400039	Narendra Kumar Tiwari	S/O R P TIWARI	Electrician	05-07-1980	28-11-2019	Medical Test Report Found OK	
32	10005630	Deepak Kumar	Virendra Pal Singh	Electrician	06-Jun-88	15-Sep-20	Medical Test Report Found OK	
33	400005	Dheeraj Gupta	S/O SUSHIL KUMAR GUPTA	Electrician Helper	12-07-1978	01-02-1995	Medical Test Report Found OK	
34	10005624	Indrajeet Kumar	Pramod Kumar Singh	INSTRUMENT TECHNICIAN	15-Feb-89	24-Aug-20	Medical Test Report Found OK	
35	10004636	Kamlesh Kumar	Sh.Prabhu Nath Ram	INSTRUMENT TECHNICIAN	7-Feb-1983	1-Oct-2020	Medical Test Report Found OK	
36	400026	Narendra Pal	S/O NANHE LAL	INSTRUMENT TECHNICIAN	15-03-1987	22-10-2018	Medical Test Report Found OK	
37	0009294	Ashu Chauhan	S/O DEVRAM SINGH	DCS Engineer	03-04-1991	08-09-2018	Medical Test Report Found OK	
38	400015	Harindra Dwivedi	S/O SATYAAPRIYA DWIVEDI	Auxiliary Operator	26-03-1968	31-10-2006	Medical Test Report Found OK	
39	400016	Sandeep Kumar Srivastava	S/O M.L.SRIVASTAVA	Auxiliary Operator	07-06-1982	13-08-2007	Medical Test Report Found OK	
40	400017	Sarvesh Kumar Kashyap	S/O RAM NATH KASHYAP	Auxiliary Operator	04-02-1977	27-02-2007	Medical Test Report Found OK	

*Amit Singh*

**Df. Amit Singh**

Reg. No. 66567

Dalmia Bharat Sugar And Industries Ltd,  
Sugar Unit Nigohi  
Shahjhanpur (U.P.) 242 407



## Dalmia Bharat Sugar &amp; Industries Ltd. Nigohi Distillery, Shahjhanpur

## Employee Approval List for the Year 2023-24

Sr.No	E Code	Employee Name	Father Name	Designation	Date of Birth	Date of Joining	Medical Report	Remark
41	400021	Dewrat Singh	S/O OMPRAKASH SINGH	TURBINE OPERATOR	01-04-1986	11-10-2018	Medical Test Report Found OK	
42	400022	Om Prakash Yadav	S/O RAM TAPESHWAR YADAV	TURBINE OPERATOR	04-03-1985	15-10-2018	Medical Test Report Found OK	
43	10006082	Ramash Chandra	Itwari Lal	TURBINE OPERATOR	4-Sep-1974	29-Apr-2022	Medical Test Report Found OK	Examination conducted Vision, Chest, Spleen Liver, Skin, Blood Sugar, Blood Pressure, Personal Hygiene
44	400029	Ravi Kumar Vishwakarma	S/O AWADH BIHARI	BOILER ATTENDANT	17-09-1972	12-11-2018	Medical Test Report Found OK	
45	400036	Balendra Kumar	S/O SHARAJ SINGH	Senior Boiler Attendant	19-02-1982	01-11-2019	Medical Test Report Found OK	
46	400038	Upendra Kumar Gupta	S/O MEVALAL SHAH	BOILER ATTENDANT	31-01-1984	27-11-2019	Medical Test Report Found OK	
47	400041	Arun Kumar	S/O JAGVEER SINGH	CPU Operator	02-07-1980	26-12-2019	Medical Test Report Found OK	
48	400054	Virendra Kumar	S/O CHARAN SINGH	CPU Operator	01-07-1987	26-12-2019	Medical Test Report Found OK	
49	10006020	Adarsh Kumar	Munendra Pal	CPU Operator	15-Jan-1988	27-Jan-2022	Medical Test Report Found OK	
50	400047	Durvash Kumar Verma	S/O SOHAN LAL VERMA	SENIOR FITTER	15-12-1967	26-12-2019	Medical Test Report Found OK	
51	400050	Ravindra Yadav	S/O RAMAKANT YADAV	FITTER	18-05-1980	26-12-2019	Medical Test Report Found OK	
52	10006346	Bal Krishna Pandey	Yogendra Pandey	FITTER	20-Oct-1985	6-Feb-2023	Medical Test Report Found OK	
53	400049	Ramashankar Kushwaha	S/O RAMDEV KUSHWAHA	WELDER	03-07-1989	26-12-2019	Medical Test Report Found OK	
54	400046	Shambhu Prasad Gupta	S/O OM PRAKASH GUPTA	FIREMAN	01-03-1976	26-12-2019	Medical Test Report Found OK	
55	10006240	Prashant Kumar	Vinay Kumar	FIREMAN	2-Aug-1999	9-Nov-2022	Medical Test Report Found OK	Examination conducted Vision, Chest, Spleen Liver, Skin, Blood Sugar, Blood Pressure, Personal Hygiene
56	10006328	Gyanendra Pratap Singh	Virendra Bahadur Singh	FIREMAN	5-Nov-1980	7-Dec-2022	Medical Test Report Found OK	
57	1033247	Chetanya Prakash	RoopChandra .	Executive Trainee	9-Sep-1999	1-Dec-2021	Medical Test Report Found OK	

Amit Singh

Dr. Amit Singh

Reg. No. 66567

Sugar And Industries Ltd

Nigohi Distillery

Sugar Unit-Nigohi

Distt. Shahjhanpur (U.P.) 242107

Shahjhanpur

# Dalmia Bharat Sugar and Industries Limited

Corporate Social Responsibility  
CSR Activities from October to March 2023



**GPS Map Camera**  
Bajhera Bajheri, Uttar Pradesh, India  
Unnamed Road, Bajhera Bajheri, Uttar Pradesh 242407, India  
Lat 28.061444°  
Long 79.860448°  
01/03/23 01:55 PM GMT +05:30



**CSR activities undertaken in FY 2022-23 by the Dalmia Bharat Sugar and Industries Limited(DBSIL), Unit- Nigohi, District- Shahjahanpur, UP.**

The vision of our company, DALMIA BHARAT SUGAR AND INDUSTRIES LIMITED ("Company") is to unleash the potential of everyone we touch. As we seek to do that, we aim at sustainable and inclusive growth, by making definitive triple bottom-line (social, economic and environmental) impact. While we have always had a strong commitment to comply with the law, we seldom hesitate to go beyond the limits laid under law and put in an extra effort to achieve the status of a responsible corporate citizen in tune with the Dalmia Group's values. Aiming at creating shared values for all stakeholders, we seek to integrate corporate social responsibility ("CSR") into our businesses processes.

In compliance with the provisions of section 135 of the Companies Act, 2013 ("Act") including Schedule VII thereof, and the Companies (Corporate Social Responsibility Policy) Rules, 2014 ("Rules"), the Company shall undertake its CSR activities, projects, programs (either new or ongoing) in a manner compliant with the Act and the Rules ("Projects").

The Company's focus area for CSR for the local community has been in the field of Climate Change (Water and Energy) Livelihood Skill Development, Social Infrastructure Development, Healthcare, Education, Sanitation, Environment conservation. Consistently we are trying to create visible impact and equitable change in the lives of the rural communities through the various development projects/programs.

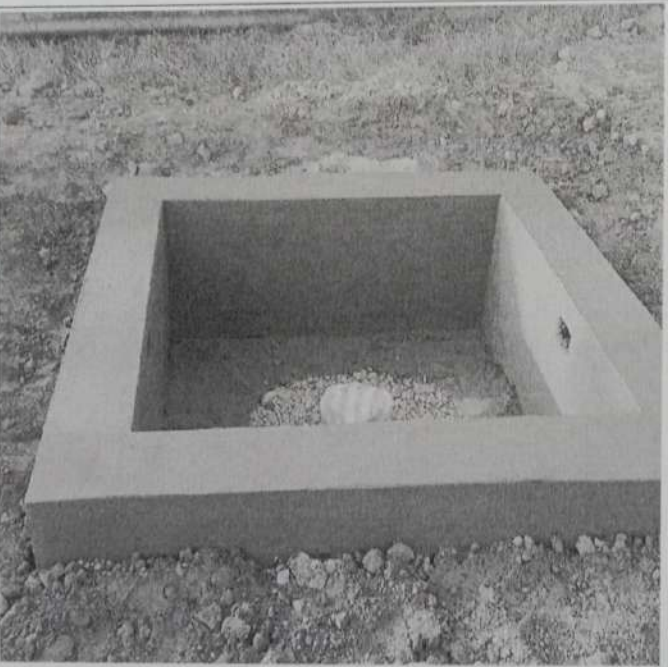
Dalmia Bharat Sugar & Industries Limited, Nigohi, Dist. Shahjahanpur , Uttar Pradesh CSR activities can include a range of initiatives such as education, healthcare, rural development, environmental sustainability, and other social welfare programs. Companies can undertake these initiatives on their own or in partnership with non-governmental organizations (NGOs) or the governments

**CSR Activities Details FY 2022-23**

.N.	Program Activities	U o M	Unit Qty	No. Of Benefi ciaries	Impact
<b>Climate Action (Soil, Water Conservation &amp; Energy Conservation)</b>					
	Street Light	Nos	10	1000 Villagers from 10 villages.	10 Solar street lights were installed to provide a sustainable and cost-effective solution for public lighting that benefits both environmental and society. Solar street lights improve safety and security by providing lighting in areas that may otherwise be dark and dangerous. This can deter criminal activity and improve visibility for pedestrians and motorists. through this intervention more than 1000 community /villager will get benefited.
	Water harvesting through Bhungroo	Nos	02	10 farmers/1 Village	02 Bhungroo were constructed this is a system which is effective and affordable solution for farmers and communities in areas with limited access to water. It helps to improve crop yields, increase food security, and reduce the dependence on erratic rainfall patterns. Additionally, the system also helps to recharge groundwater levels, contributing to the long-term sustainability of the local ecosystem. Overall, the Bhungroo system is a promising technology for water harvesting and management in areas with water scarcity, and has the potential to significantly improve the livelihoods of communities in the villages creating an annual water harvesting ground water recharge potential/ of forty thousand (40000) m3 annually.



Promotion of vermi-compost pits and Farm Yard Manure pits	Nos	813 pits	813 farmers	In this FY 2022 -23 We have promoted 813 vermi composting and FYM pits. The aim is to promote the organic fertilizer and reduce the cost of chemical fertilizers. total 8130 quintal organic fertilizer will be producing.
<b>Livelihood Skill Development</b>				
Breed Improvement and Livestock Development with BAIF has promoting and ensuring sustainable livelihood of farmers	Nos	83 villages	8250 Households /farmers	Artificial Insemination Cows & Buffaloes Inseminated – 1039 Cows & Buffaloes Pregnant – 220 Calves born – 232
Skill development centre ensuring employment for youths	Nos	1 Centre	480 Youth	1. 182 Trainees completed their training during the said period at 1 Centers of Dalmia Institute of Knowledge and Skill Harnessing (DIKSHa). 2. 135 Trainees were pursuing their training as on 31st March 2023. 3. Over 70% of the passed trainees are gainfully employed and earn a monthly income ranging between INR 6,000 and INR 15,000.
SHG (Self Help Group) formation, training and promotion of IGA (Income Generation Activities)	Nos	25 SHGs	250 Women	During the FY 2023 the 65 SHGs women from 117 SHGs are gainfully completed their IGA training and get additional income INR 4000/- to 10000/- per month through different intervention done through a collaborative approach of Dalmia Bharat Foundation and NRLM a flagship project of the ministry of rural development.
	Nos	10	10 Farmers	Poly houses can extend the growing season, allowing for multiple crops to be grown in a single year, increasing the farmer's income potential. Better market access: With improved crop quality and consistency, small and marginal farmers can access better markets and receive higher prices for their produce. Improved income: With higher yields, better quality produce, and improved market access, small and marginal farmers can increase their income and improve their livelihoods. overall, protected farming in poly houses can provide small and marginal farmers with a sustainable and profitable farming option, allowing them to improve their economic status and contribute to food security.
<b>Social Infrastructure</b>				
Dual Desk Bench	Nos	242	726 Children's	242 Dual desk benches have been provided to the 8 PS & UPS school's in Nigothi Location for better educational environment of the schools.
Sport Material	Nos	04 kits	100 Youths	04 sport kits (Cricket, Football, Volleyball & Badminton) have been provided to the Dakiya Tiwari Gram Panchayat for creating healthy environment between youths of the panchayat.
Handpump Installation	Nos	20	2000 House holds	Hand pumps can help provide reliable access to clean drinking water, which is essential for maintaining good health and preventing water-borne diseases, reduce the need for women and children to walk long distances to collect water, which can have environmental benefits by reducing the use of fossil fuels for transportation







**Dalmia**  
Bharat Sugar

cement! sugar! refractories! power!

04 May 2022

DBSIL/DISTILLERY/EHS/2022/ 596

Chief Environmental Officer  
U.P. Pollution Control Board,  
T.C.-12 V, Vibhuti Khand, Gomti Nagar  
LUCKNOW - 226 010

Sub: Environmental Statement 2021-22 (Distillery Unit)

Dear Sir,

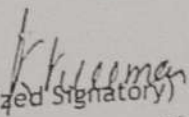
As per Environment (Protection) Rule No.14 (Amended) of the Environment (Protection) Act 1986, the Environmental statement for the financial year 2021-22 is submitted herewith to fulfill the requirement of the rule.

This is for your kind information please.

Thanking you,

Yours faithfully

For DALMIA BHARAT SUGAR & INDUSTRIES LTD.  
Distillery Unit - Nigohi

  
(Authorized Signatory)

Cc: The Regional Officer, UPPCB, Rajendra nagar, Bareilly.

Encl: As above

डाक प्राप्ति रसीद  
प्राप्ति दिनांक 11.5.22  
प्राप्तकर्ता के हस्ताक्षर  
उ०प्र० प्रदूषण नियंत्रण बोर्ड, लखनऊ



DBSIL/DISTILLERY/EHS/2022/

04 May 2022

Chief Environmental Officer  
U.P. Pollution Control Board,  
T.C.-12 V, Vibhuti Khand, Gomti Nagar  
LUCKNOW - 226 010

Sub: Environmental Statement 2021-22 (Distillery Unit)

Dear Sir,

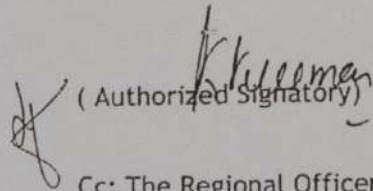
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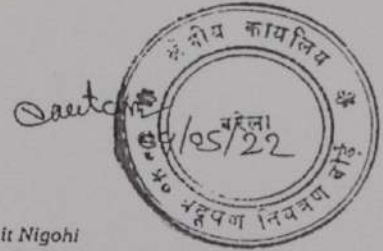
Yours faithfully

For DALMIA BHARAT SUGAR & INDUSTRIES LTD.  
Distillery Unit - Nigohi

  
(Authorized Signatory)

Cc: The Regional Officer, UPPCB, Rajendra nagar, Bareilly.

Encl: As above



Dalmia Bharat Sugar & Industries Ltd.  
Distillery Unit - NIGOH, SHAHJAHANPUR (U.P.)

FORM - V  
(See Rule-14)

**ENVIRONMENTAL STATEMENT**

*for*

**THE FINANCIAL YEAR** *ending*  
**31<sup>ST</sup> MARCH, 2022**

# **ENVIRONMENTAL STATEMENT**

*For*

**THE FINANCIAL YEAR 2021-2022**

(1<sup>st</sup> April, 2021 to 31<sup>st</sup> March, 2022)

**For**

**Dalmia Bharat Sugar & Industries Ltd.**

**Distillery Unit**

**Village – Kalyan Post – Aroll**


**District - SHARJAHANPUR (U.P.)**



04.05.2022

TO WHOM IT MAY CONCERN

This is to certify that the environmental statement for the financial year 2021-22 is as per requirement under environment (Protection) Rule-14 of Environment (Protection) Act, 1986. The data of the factory given as per the State Excise records.

 *K. Kesava*  
(Authorized Signatory)

2/2

# CONTENTS

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Sl. No.	Particulars	Pages
1	CERTIFICATE	
2	NOTIFICATION	1-3
3	PART 'A'	4
4	PART 'B'	5
5	PART 'C'	6
6	PART 'D'	7
7	PART 'E'	8
8	PART 'F'	9
9	PART 'G'	10
10	PART 'H'	11
11	PART 'I'	12

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Government of India  
Ministry of Environment and Forest

NOTIFICATION

No. G.S.R 95(E) dated February 12, 1992 published in the Gazette of India, Extra-ordinary Part-II Section 3(i) dated 12<sup>th</sup> February 1992, page 2 (No.Q-14011 (i) 90-CPA).

-----  
In exercise of the powers conferred by Section - 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986) the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:

- 1 (i) These rules may be called the Environment (Protection) Amendment Rules 1992.
- (ii) They shall come into force on the date of their publication in the official Gazette.
2. In Rule 3 of the Environment (Protection) Rules, 1986 after sub-rule(5), the following sub-rule shall be added, namely:
  - (6) Notwithstanding anything contained in sub-rule (3), an industry, operation process which has commenced production on or before 16<sup>th</sup> May, 1981 and has shown adequate proof of at least commencement of physical work for establishment of facilities to meet the specified standards within a time bound programme, to the satisfaction of the concerned State Pollution Control Board, shall comply with such standards latest by the 30<sup>th</sup> day of September 1993.
  - (7) Notwithstanding anything contained in sub rule (3) or sub-rule (6), an industry, operation or process which has commenced production after the 16<sup>th</sup> day of May, 1991 but before 31<sup>st</sup> Day of December, 1991 and has shown adequate proof of facilities to meet the specified standard within a time bound programme, to the satisfaction of the concerned State Pollution Control Board, shall comply with such standards latest by 31<sup>st</sup> day of December 1992.



Government of India  
Ministry of Environment and Forest

NOTIFICATION

No. G.S.R 329(E), dated March 13, 1992, published in the Gazette of India, Extra-ordinary part II, Section 3(i), dated 13<sup>th</sup> March, 1992, Sl. No. 120, page 3 & 4 (F.No. Q-415015/1/90-CPA).

In exercise of the powers conferred by sections 6 & 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:

- 1 (i) These rules may be called the Environment (Protection) (Second Amendment) Rules, 1992.
  - (ii) They shall come into force on the date of their publication in the official Gazette.
2. In the Environment (Protection) Rules, 1986, after 13 the following rule shall be inserted namely:

14. Submission of Environment Audit Report:

Every person carrying on an industry, operation or process requiring consent under Section 25 of the Water (Prevention consent Under Section 25 of the Water (Prevention and Control of Pollution) Act, 1974 (6 of 1974) or under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 (14 of 1981) or both or authorization under the Hazardous waste (Management and Handling) Rules, 1989 issued under the Environmental Audit Report for the financial year ending the 31<sup>st</sup> March in form-V to concerned State Pollution Control Board on or before the 15<sup>th</sup> of May every year beginning 1993.

Government of India  
Ministry of Environment and Forest

**NOTIFICATION**

(No. C.S.R. 329(E))

In exercise of the powers conferred by Sections 6 and 25 of the Environment (Protection) Act, 1986 (29 of 1986), the Central Government hereby makes the following rules further to amend the Environment (Protection) Rules, 1986, namely:

1. (i) These rules may be called the Environment (Protection) (Amendment) Rules, 1993.  
(ii) They shall come into force on the date of their publication in the official Gazette.
2. In the Environment (Protection) Rules, 1986.
  - a) In Rules 14
    - (i) For the word Audit Report whenever they occur, the word statement shall be substituted.
    - (ii) For the figure letters and word "15<sup>th</sup> Day of May" the word "THIRTIETH" day of "SEPTEMBER" shall be substituted.

Part – A

- 1 Name and address of owner/occupier of Industry Operation of Process. : Shri Kuldeep Kumar  
Dy. Executive Director  
Dalmia Bharat Sugar & Industries Ltd.  
Distillery Unit - Nigohi,  
District - SHAHJAHANPUR (U.P)
- 2 Industry Category : Secondary
- 3 Production capacity : 110 KL/day
- 4 Year of Establishment : 2018
- 5 Date of last environmental statement submitted. : 22.9.2021



**Part – B**

**Water and Raw Material Consumption**

Total Water Consumption	: 291.74	KL/day
• For Process	: 195.14	KL/day
• For Cooling	: 95.10	KL/day
• For Domestic	: 1.50	KL/day

**Process Water Consumption per unit product output**

Name of Product	During the previous financial year (2020-21)	During the previous financial year (2021-22)
Industrial Alcohol	4.93 KL / KL of Product	3.16 KL / KL of Product

**Raw Material Consumption**

Name of Material	Name of Product	During the previous financial year (2020-21)	During the previous financial year (2021-22)
Molasses	Industrial Alcohol	3.39 T / KL of Product	3.57 T / KL of Product
Cane Juice Syrup	Industrial Alcohol	—	2.91 T / KL of Product

Part-C

Pollutants Discharged to Environment per unit of output

Pollutants	Quantity Pollutants in Discharge (Mass/Day)	Concentration Pollutants in discharge (mass/volume)	PerCent Variation from Presc. Standard with reason.
A) Water			
Zero Discharge			
- BOD	.....	Nil.....	.....
- COD	.....	Nil.....	.....
- TSS	.....	Nil.....	.....
Effluent water which is generated through the process has been passed through Multi Effect Evaporator and CPU.			
B) Air			
Stack Emission - Industry has installed incineration boiler. Boiler attached with E.S.P. to meet out the emission norms of U.P. Pollution Control Board.			

.....

Part-D

Hazardous Waste

(As specified under Hazardous wastes {Management} and Handling Rules, 1989)

Sl. No.	Hazardous Wastes	During the previous financial year (2020-21)	During the current financial year (2021-22)
1	From Process	Nil	Nil
2	From Pollution Control Facilities	Slop - 48551.0 MT Fly Ash - 4597.67 MT	Slop - 49400.00 MT Fly Ash -7835.15 MT

Note: Sludge or ash if used as land filler / manure / conditioners do not fall under the categories of Hazardous Waste vide notification No. 405 dated July 28<sup>th</sup> 1989, published in the Gazette of India, Part II, Section3, Sub Section (II).



**Part-E**

**Solid Wastes**

Sl. No.	Solid Wastes	During the current financial year (2021-22)
A	Process	Nil
B	From Pollution Control Facility	
	- Fly Ash	7835.15 MT
	- Slope	49400.00 MT
C	1) Quantity Recycled or re-utilized within the Unit	All
	2) Sold Sludge	All (utilized as manure / soil conditioner)
	3) Disposed Fly Ash	Disposed and given to farmers as manure
	4) Sludge	Sludge is disposed / given to farmers / cane growers.

Effluent water which is generated through the process has been passed through CPU & RO, Multi Effect Evaporator. It assures the zero discharge.

\*\*\*\*\*

### Part-F

Please specify the characterization (in terms of composition and quantum) of Hazardous as well as solid wastes and indicate disposal practices adopted for both categories of wastes.

1. Fly Ash:

Incineration Boiler is installed. Fly ash is used for manufacturing of

2. Sludge:

It is generated from process. It assures the zero-discharge by manufacturing of organic manure. The sludge is neither toxic nor hazardous but has good manorial value.

## Part-G

### Impact of the Pollution Abatement Measures taken on Conservation of Natural Resources and on the cost of Production.

Industry is operated under ZLD scheme in which, Distillation Plant is followed by Multi effect evaporator (FF body 3+1 and FC body 3+1 and one surface condenser) than Incineration Boiler for meeting its steam requirement and CPU plant (RO based) in Distillery Unit. Incineration Boiler is equipped with appropriate slop intake capacity and E.S.P. to meet out the emission norms of U.P. Pollution Control Board. to utilize entire quantity of spent wash. Hence it falls under zero discharge unit.

The investment made and measures taken for abatement of pollution in surrounding area. The cost of production is around 32 to 35 Rupees per KL of product. But it is not accountable in view of to support conservation of natural resources and to help maintaining surrounding area neat and clean.



## Part-H

### Additional Measures / Investment Proposals for Environmental protection including abatement of pollution and its prevention.

Industry has already made required investment on installation of complete effluent treatment plant by installing Multi Effect Evaporator, Incineration Boiler for meeting its steam requirement and CPU plant (RO based) in Distillery Unit.

We have also arranged sufficient fund for the development of green belt and is being followed as per our action plan.

The Industry has installed capacity of production of 110 KL/day and we are investing considerable amount annually for operation and maintenance of existing systems to prevent & control pollution.

Apart from the above, unit has constituted an environmental cell and which has been strengthening the activities and looking for all the matters related to environment.

-11-

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Part-I

Any other Particular for improving the quality  
of the Environment

Industry has an open view to accept any investment proposal in near future to adopt affordable and viable technique in the existing system to prevent and control pollution.

All the efforts have been made to minimize pollution through improvement in process and other industrial activities by recycling and re-use technique. The unit has maintained its status as zero discharge unit.

Industry has made all the specification concerned with Air, Water, Noise under Air Pollution Control & Prevention Act, 1981 and Water Pollution Control & Prevention Act, 1978.

Preventive measures has been taken to keep the area pollution free either in form of noise / water / air well below as prescribed by U.P. Pollution Control Board and Central Pollution Control Board.



## GROUND WATER DEPARTMENT

(Namami Gange & Rural Water Supply Department)

Ministry of Jal Shakti

Government of Uttar Pradesh

### Form 8 (C)

[See Rule 8(1)]

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

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

AUTHORIZATION/ NO-OBJECTION CERTIFICATE NO: NOC039831

VALID UP TO : 06/07/2026

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

Registration No.: 202104000028

Name of the Owner	KULDEEP KUMAR		
Designation पद	Deputy Executive Director	Company Name कंपनी का नाम	DBSIL Nigohi, Distillery Unit
Company Address कंपनी का पता	Village Kuiyan Post Areli, Tehsil-Tilhar, Nigohi	Authorization Letter प्राधिकार पत्र	Download
Address of the Applicant	Dalmia Bharat Sugar and Industries Limited, Village Kuiyan, Post Areli, Shahjahanpur, U.P	Application Form Serial No.	SHJP0421NIN0016
Date of Submission	02/04/2021	Specimen Signature	
<b>Location Particulars</b>			
District	Shahjahanpur	Block	NIGOHI
Plot No./Khasra No.	92,97,254,256,257	Municipality/Corporation	N/A
Ward No./Holding No.			N/A
<b>Particular of the Existing Well and Pumping Device</b>			
Date of Construction/Sinking of the Well	10/06/2018		
Type of Well	Tube Well/Boring	Depth of the Well (In meter)	60.00
Purpose of well	Industrial	Assembly Size(For Tube Well)	
Strainer Position (For Tube Well)			
Type of Pump Used	Submersible	H.P. of the Pump	10.00
Operational Device	Electric Motor	Rate of Withdrawal (m3/hr.)	84.00
Date of Energization (In Case of Electric Pump)	18/06/2018		
Maximum Allowable Rate of Withdrawal (m3/hr.):	84.00	Maximum Allowable Running Hours Per Day:	6.00



**Maximum Allowable Annual Extraction of Ground Water:**

This No-Objection certificate authorizes the owner applicant (user) to sink a well in the location specified at Sl. (2) for extraction of ground water at a rate not exceeding that as shown at Sl. (3j), for Running Hours 1 day as shown at Sl. (3k), and for maximum allowable annual extraction of ground water as shown at Sl. (3k) and is valid subject to the observance of the conditions stated overleaf.

**GENERAL CONDITIONS:**

- In case of any change of ownership of the proposed well, fresh authorization has to be obtained.
- 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
- 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
- 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
- In case of any change of ownership of the existing well, fresh registration has to be obtained.
- No change of location, design, rate of withdrawal and pumping device in respect of the existing 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 registration
- In case, any of the particulars / 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.
- 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.
- 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
- Guidelines for Installation of Piezometers and their Monitoring**

Piezometer is a borewell /tubewell 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 when ever needed. General guidelines for installation of piezometers are as follows:

- 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 is case of the pumping well from which ground water is being abstracted. If, more than one piezometers 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 upto two decimal.
- 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 taped 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 off.
- Any other condition(s) that may be imposed by the concerned Authority.
- 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.
- Any other condition imposed by the concerned Authority.
- 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 m<sup>3</sup>/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) certified auditors and submit audit reports within three months of completion of the same to CGWA. All such industries shall be required to reduce their ground water use by at least 20% over the next three 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 m<sup>3</sup> /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 15 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.
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- **(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 m<sup>3</sup> /day. The water from STP shall be utilized for toilet flushing, car washing, gardening etc

**This certificate is electronically generated and does not require digital signature**



DALMIA BHARAT SUGAR & INDUSTRIES LIMITED UNIT- NIGOHI, SHAHJAHANPUR (U.P.) DISTILLERY DIVISION	
BOREWELL METER READING F.Y.2022-2023	
MONTH	READING IN M3
APRIL	12132
MAY	12322
JUNE	12139
JULY	10080
AUGUST	10315
SEPTEMBER	9158
OCTOBER	3362
NOVEMBER	6511
DECEMBER	5636
JANUARY	3971
FEBRUARY	1617
MARCH	2537
<b>TOTAL</b>	<b>89780</b>



Annex-6

DALMIA BHARAT SUGAR & INDUSTRIES LIMITED DISTILLERY UNIT NIGOHI SHAHJAHANPUR			
[Environmental Cell]			
In view of the statutory requirement, we have constituted An Environmental cell on 01.04.2023. It consists of the following members-			
Sr.No.	Name	Designation	Qualification
1	Narendra Singh Rawat	Distillery Head	B.sc, DIFAT
2	Amit Sachan	Production Head	B.sc, DIFAT
3	Anuj Yadav	Executive	B.Sc., P.G.Diploma in Enviromental Scince (NSI Kanpur)
4	Ismi Pandey	Senior Executive	B.sc, DIFAT
5	Manmohan	Shift Incharge	B.sc, DIFAT
6	Abhay Kumar	Senior Executive	B.sc, DIFAT
7	Gagan Maurya	Trainee Executive	B.sc, P.G Diploma in Envrinmental Science
8	Arun Kumar	CPU Operatar	M.A., ITI
9	Adarsh kumar	CPU Operatar	Polytechnic in Electricals
10	Virendra Singh	CPU Operatar	Diploma