

DBSIL-N /Distillery/ EC COMP/2022/878

04.11.2022

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

SUB: Compliance Report (April-2022 to September-2022) 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 15th Oct 2020.

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

Thanking you.

K. K. Kumaar
Yours faithfully

For Dalmia Bharat Sugar & industries Ltd .
Distillery - Unit; Nigohi Shahjahanpur (U.P)

K. K. Kumaar
(Authorized Signatory)



Encl:

Annex.- 1. (I) Stack Emission Report , (II) Noise Level Report ,(III) Ambient Air Report .

Annex. - 2. Health Surveillance Report .

Annex. - 3. Environment Statement of FY Ending March 2022

Annex.- 4. CSR expense details

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 Kuyian, Post -Arel, Tehsil -Tilhar, District Shahjahanpur in Uttar Pradesh.

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

Period Of Compliance : April 2022 to September 2022

Ref: EC Letter no. J-11011/315/2017 -IA II (I) dated 15th 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 117331/UPPCB/BAREILLY(UPPCBRO)/CTO /AIR/SHAHJAHANPUR/2021 117988/UPPCB/BAREILLY(UPPCBRO)/CTO /WATER/SHAHJAHANPUR/2021 dated 08/02/2021 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	Authorization obtained ; no. 5247 dated 02.02.19, valid till 02.02.2023 Provisions of the Authorization will strictly

Report

	wastes(Management and Trans - Boundary 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 Annex-1(I)
(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 Annexer -1(II)
(f)	Industrial/trade	Industrial effluent is being segregated in

	effluent shall be segregated into high COD/TDS and low 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.	to high COD /TDS effluent is being concentrated through MEE & feed to Incineration Boiler 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 out side 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	Presently no such residue has been generated. We have a contract with TSDF

	Spent carbon, If any, shall be Sent to cement industries.ETP Sludge, process inorganic & Evaporation salt shall be dis- posed off to the TSDF.	authorized recycler to dispose off the process organic residue.
(j)	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of hazardous Chemicals (MCHC) 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.	Complied with. Applicable steps have been taken to minimize waste generation as below:- We have done metering of all required points and control major to minimize waste. Slop obtained from MEE plant is being re used as fuel in incineration boiler. Control measures done to minimize spillage.

	<p>Use of automated filling to minimize spillage.</p> <p>Use of close feed system into batch reactors.</p> <p>Venting equipment through vapour recovery system.</p> <p>Use of high pressure hoses for equipment cleaning to reduce waste water generation.</p>	<p>We have installed close feed system in all tanks.</p> <p>We have installed such venting equipment.</p> <p>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"> <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>6750</td> <td>4.5</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			6750	4.5	
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(m)	<p>All the commitments made regarding issues raised during the public hearing/consultation meeting shall be satisfactorily</p>	<p>Issues raised during the public hearing/consultation meeting are being implemented.</p>																																			

	implemented.	
(n)	At 2 % of total project cost shall be allocated for corporate Environment Responsibility (CER) and item-wise details along with the bounding plan shall be prepared and submitted to the ministry's Regional Office.	Company is implementing CSR activity through Dalmia Bharat Foundation and already planned to spent more than Rs. 30 lakh on various activities like water conservation, electricity conservation, soil conservation, drip irrigation, skill development, Sanitation and drinking water etc. Expenses details are enclosed herewith.
(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	Occupational health surveillance conducting for 57 employees of unit

	workers shall be done on a regular basis and records maintained as per the Factory Act.	during April,2021 to September,2021 indicates that none of the individual is suffering from any infectious diseases. Report attached as annex.-2
(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 suffering 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 quantity are kept in locked and covered drums.
(t)	Continuous on;line (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 server. For online continuous monitoring of effluent, the unit	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 effluent within the premises.

	shall install web camera with night vision capability and flow meters in the channel/drain carrying 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 or alterations in the projects proposal from those submitted to this	Desire approval will be taken prior to further expansion or modification.

	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.	
(iii)	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.	Ambient air monitoring stations have already been set up to monitor air quality. We have conducted Advanced Environment Testing & Research Lab P.Ltd. New Delhi through Eco Tech Corporation Shahjahanpur for monitoring of Air Ambient quality, Effluent analysis.
(iv)	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be complied with.	For National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(F) dated 16th November, 2009 are being complied with Monitoring report attach as Annexe-1
(v)	The overall noise levels in and around the plant	For noise control, we have installed silence and acoustic enclosures on all

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	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).	sources of noise generation Maintained within limit. Reports attach as- Annexere-1(III)
(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 and health aspects of chemicals handling. Pre- employment and routine periodical medical examinations	Complied with. Periodic training to all employees on safety & health aspects is prepared & implementing under the supervision of safety Committee. Periodical medical examination of employees is being carried out half-yearly.(Details attached)

	for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	
(viii)	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.	All the environmental protection measures and safe guards of E.I.A./E.M.P. report are being followed accordingly.
(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-	We are running activities in different near by villages, the activities include, sanitation, Education, Drinking water facilities etc. Annexe-4 1. Water harvesting through defunct borewell and recharge shaft. 2. Water harvesting through Recharge Shaft. 3. Promotion of vermi-compost pits and yard Manure pits. 4. Breed improvement and livestock

	developmental measures shall be undertaken for overall improvement of the environment.	development with BAIF has promoting and ensure sustainable livelihood of farmers. 5.Skill development center ensuring employment. 6.SHG (Self Help Group) formation, training and promotion of IGA (Income Generation Activities) 7.Adopted 50 IB patient in Nigohi Block. 8.Dual Desk Bench.
(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 4 members working accordingly and laboratory have been setup to control Environmental parameters. Annexure-5
(xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the 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	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.

	conditions stipulated herein. The funds so earmarked for environment/pollution control measures shall not be diverted for any other purpose.	
(xii)	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.	A copy of the clearance letter has been sent to block levels panchayat Samiti.
(xiii)	The project proponent shall also submit six monthly reports on the 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 & CC,	Compliance Report along with monitoring data are being submitted accordingly.

	the respective Zonal office of CPCB & SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of company.	
(xiv)	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 the status of compliance of Environment Clearance and shall also be sent to the respective Regional offices of MoEF & CC by e-mail.	Environmental Statement for the financial year ending 31st March, 2022 is submitted on 28th of September and copy of same is attached Annexe-3
(xv)	The project proponent shall inform the public that the project has	We have already published the according of Environmental Clearance in local Newspapers. Hindustan

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<p>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 http://moef.nic.in. 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 the concerned Regional office of the Ministry.</p>	<p>Times on dated 06.06.2018 and Rashtriya Sahara on 05.06.2018.</p>
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Signature & Seal

M/s Dalmia Bharat Sugar & Industries Limited
Distillery Unit, Nigohi

April 2022 to September 2022



Advanced Environmental Testing And Research Lab P. Ltd. *Measure-1*

CIN: L73100MP2002PTC015352 GSTIN: 23AAECA9159L1Z8

Approved by Ministry of Environment, Forest and Climate Change (MOEFACC)
 Approved by Occupational Health & Safety Measurement (OHSO-45011.2018)

Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II,
 Gwalior-474 011 MP., India
 T: 0751-3566867, 2232177
 Email: aeigwalior@gmail.com, aetr-center@gmail.com
 Web: aetrl.com



TEST REPORT

Company Name: Dalmia Bharat Sugar and Industries Ltd.
Unit: Bottling Unit - 8 gwal
Address: Vill- Kalyan P.O.- Arel, Shahjahanpur, UP
Nature of Sample: Drinking Water
Sample Location: Near Cooling Tower

Date of Issue: 05/09/2022
Monitoring Date: 30/08/2022
Sampling Done by: Sample Collection in presence of lab representative.

TEST RESULT

S. No.	PARAMETER	UNIT	PROTOCOL	RESULTS	Drinking Water Standards / Limit (IS:10500-2012)	
					Desirable Limit	Permissible
1	Colour	---	APHA-2120(C)	<5	5 max.	25 max.
2	Taste	---	IS-3025 (F-B)	Agreeable	Agreeable	No Relaxation
3	Turbidity	---	APHA-2130(B)	<1	5.0 max.	10 max.
4	pH	---	APHA-4500 H+D	7.69	6.5-8.5	No Relaxation
5	Total Hardness	mg/l	APHA-2340(C)	248.0	300 max.	500 max.
6	Iron as Fe	mg/l	APHA-3111(D)	0.26	0.3 max.	1.0 max.
7	Chloride as Cl	mg/l	APHA-1500(B)	15.25	250 max.	1000 max.
8	Residual Free Chlorine (RFC)	mg/l	APHA-4500(D)	Nil	0.2 min.	No Relaxation
9	Total Dissolve Solids	mg/l	APHA-7540(C)	237.0	500 max.	2000 max.
10	Calcium as Ca	mg/l	APHA-3500(B)	42.36	75 max.	200 max.
11	Magnesium as Mg	mg/l	APHA-3500 Mg(B)	21.36	30	100
12	Copper as Cu	mg/l	APHA-3111(B)	<0.02	0.05 max.	1.5 max.
13	Manganese as Mn	mg/l	APHA-3111(B)	<0.01	0.1 max.	0.3 max.
14	Sulphate as SO ₄	mg/l	APHA-4500(C)	12.45	200 max.	400 max.
15	Nitrate as NO ₃	mg/l	APHA-4500 NO ₃ (B)	1.0	45 max.	100 max.
16	Fluorides as F	mg/l	APHA-4500(D)	0.30	1.0 max.	1.5 max.
17	Mercury as Hg	mg/l	APHA-3112(B)	Not detected	0.001 max.	No Relaxation

[Signature]
 Authorized Signatory

Advanced Environmental Testing And Research Lab P. A.

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L178

Approved by Ministry of Environment, Forest and Climate Change (MoEF&CC)
 Approved by Occupational Health & Safety Management ISO 45001:2018

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

Gwalior-474 011, M.P., India

☎ 0751-3566367, 2232177

Email: aetgwalior@gmail.com, aetricenter@gmail.com

Web: aetri.com



18	Cadmium as Cd	mg/l	APHA-3113(B)	<0.004	0.01 max.	No Relaxation
19	Selenium as Se	mg/l	APHA-3113(B)	<0.01	0.01 max.	No Relaxation
20	Cyanide as CN	mg/l	APHA-4500(C)	Not deducted	0.05 max.	No Relaxation
21	Lead as Pb	mg/l	APHA-3113(B)	<0.01	0.05 max.	No Relaxation
22	Zinc as Zn	mg/l	APHA-3113(B)	<0.01	5.0 max.	15 max.
23	Anionic Detergent (MBAS)	mg/l	APHA-4540	<0.05	0.2 max.	1.0 max.
24	Total Chromium (as Cr)	mg/l	APHA-3500 Cr-II	<0.01	0.05 max.	No Relaxation
25	Polynuclear Aromatic Hydrogen (PAH)	mg/l	APHA-6440	Not deducted	---	---
26	Mineral Oil	mg/l	IS:3025(P-39)	<0.01	0.01 max.	0.03 max.
27	Pesticides	mg/l	IS:14628	Absent	Absent	0.001
28	Total Alkalinity	mg/l	APHA-2320(B)	157.0	200 max.	600 max.
29	Aluminium as Al	mg/l	APHA-3500(F)	<0.02	0.05 max.	0.2 max.
30	Barium as (Ba)	mg/l	APHA-4500(H)	<0.05	0.1 max.	No Relaxation
31	Total Coliform (MPN)	No./100 ml	APHA-9245 (A,B)	Absent	Absent	No Relaxation
32	Molybdenum (Mo)	mg/l	APHA-3111(D)	<0.02	0.07	No Relaxation
33	Nickel (Ni)	mg/l	APHA-3111(H)	Absent	0.02	No Relaxation
34	Bromoform	mg/l	APHA-3111(H)	ND	0.1	No Relaxation
35	Dibromochloro Methane	mg/l	APHA-6232	ND	0.1	No Relaxation
36	BromoDichloro Methane	mg/l	APHA-6232	ND	0.06	No Relaxation
37	Chloroform	mg/l	APHA-6232	ND	0.2	No Relaxation
38	Silver (Ag)	mg/l	APHA-6232	<0.01	0.1	No Relaxation
39	e-Cell	-----	IS 1622-1981	Absent	Absent	No Relaxation
40	Sulphide (asH ₂ S)	mg/l	APHA-4500(F)	<0.01	0.4Max	No Relaxation
41	Chloramines (Cl ₂)	mg/l	APHA-4500(D)	ND	0.1	No Relaxation

Authorized Signature



CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L1Z8

Approved by Ministry of Environment, Forest and Climate Change [MoEF&CC]
Approved by Occupational Health & Safety Management [ISO 45001:2018]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, aetrlcenter@gmail.com

Web: aetrl.com



TEST REPORT

Company Name: Dalmia Bharat Sugar and Industries Ltd, Distillery

Unit- Nigohi

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

Nature of Sample: Ambient Air Monitoring

Sample Location: Near Admin Block

Sampling Duration: 24 Hrs

Date of Issue: 05.09.2022

Monitoring Date : 30.08.2022

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 ₂)	IS 5182:Part2:2001	µg/m ³	12.79	80/Day
2.	Nitrogen Dioxide (NO ₂)	IS 5182:Part6:2006	µg/m ³	11.36	80/Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg/m ³	54.03	100/Day
4.	Particulate matter (less than 2.5 µm)	USEPA CFR40 (50), Appendix L	µg/m ³	09.21	60/Day
5.	Ozone (O ₃)	IS 5182:Part9:1974	µg/m ³	8.64	100/8*Hours
6.	Lead (Pb)	IS 5182:Part22:2004	µg/m ³	ND	1.0/Day
7.	Carbon Mono Oxide (CO)	IS 5182:Part10:1999	mg/m ³	0.28	02/8*Hours
8.	Ammonia (NH ₃)	APHA 401 (Indophenol)	µg/m ³	7.74	400/Day
9.	Benzene (C ₆ H ₆)	IS 5182:Part 11:2006	µg/m ³	<0.1	05/Annual
10.	Benzo (a) Pyrene (BaP) Particulate Phase only	IS 5182:Part12:2004	µg/m ³	ND*	01/Annual
11.	Arsenic (As)	IS 5182:Part22:2004	µg/m ³	ND	06/Annual
12.	Nickel (Ni)	IS 5182:Part22:2004	µg/m ³	0.32	20/Annual

Authorized Signatory

CIN: U73100MP2002PTC015352

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 Phone: 0751-3566867, 2232177
 Email: aetlgwalior@gmail.com, aetrlcenter@gmail.com
 Web: aetrl.com



TEST REPORT

Company Name: Malviya Bharat Sagar and Industries Ltd. Distillery
 Unit: Nigohi
 Address: Vill-Kariyan, Po- Arela, Shahjahanpur, UP
 Nature of Sample: Ambient Air Mon. testing
 Lab. ref. No:

Date of Issue: 05.09.2022

Monitoring Date: 30.08.2022

Qty of sample: 30ml

Sample bottle: Plastic packing

Sample Location: Near Boiler
 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
1.	Sulphur Dioxide (SO ₂)	IS 5182:Part2:2004	µg/m ³	20.36	80/Day
2.	Nitrogen Dioxide (NO ₂)	IS 5102:Part5:2006	µg/m ³	14.98	80/Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg/m ³	58.14	100/Day
4.	Particulate matter (less than 2.5 µm)	ISEPA-CFR40 (50), Appendix L	µg/m ³	11.45	60/Day
5.	Ozone (O ₃)	IS 5182:Part9:1974	µg/m ³	8.85	100/8*Hours
6.	Lead (Pb)	IS 5182:Part22:2004	µg/m ³	ND	1.0/Day
7.	Carbon Mono Oxide (CO)	IS 5182:Part10:1999	mg/m ³	0.20	02/8*Hours
8.	Ammonia (NH ₃)	APIA-401 (Indophenol)	µg/m ³	0.2	400/Day
9.	Benzene (C ₆ H ₆)	IS 5182:Part 11:2006	µg/m ³	<0.1	05/Annual
10.	Benzo (a) Pyrene (BaP) Particulate Phase only	IS 5182:Part12:2004	µg/m ³	ND*	01/Annual
11.	Arsenic (As)	IS 5182:Part22:2004	µg/m ³	ND	06/Annual
12.	Nickel (Ni)	IS 5182:Part22:2004	µg/m ³	0.22	20/Annual

Authorized Signatory

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

GSTIN: 23AAECA91881178

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: aetgwalior@gmail.com, aetrlcenter@gmail.com

Web: aetrl.com



TEST REPORT

Company Name: DalmiaBharat Sugar and Industries Ltd, Distillery
Unit- Nigohi

Address: Vill- Kniyan Po.- Ardi, Shahjahanpur, UP

Nature of Sample: Flue gas emission of Boiler

Location Point: BOILER STACK

Stack Height: 65.0 Mtr.

Type of fuel used : Bagasse/Spent Wash

Height of Sampling Location:25.0 Mtr.

Capacity : 24.0 Ton

Date of Issue:05.09.2022

Monitoring Date :30.08.2022

Sampling Done By: Sampling Staff

Diameter of Stack:2.5Mtr.

Pollution Control Devices : ESP

Material of Construction :RCC

PHYSICAL OBSERVATIONS

Ambient temperature °C : 35.0
Flue gas temperature °C : 120.0
Velocity of flue gas m/s : 15.38
Sampling flow rate (LPM) : 14.42

TEST RESULT

S.No.	Parameter	Pollutant Concentration (on the bases of 12 % CO ₂)	Limits
1	Particulate Matter mg/Nm ³	92.02	150
2	Sulphur Dioxide (SO ₂) mg/Nm ³	11.36	NOT SPECIFIED
3	Oxides of Nitrogen (NO _x) mg/Nm ³	09.78	NOT SPECIFIED

Authorized Signatory



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, 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: Noise Monitoring
monitoring Duration :24 Hrs

Date of Issue: 05.09.2022

Monitoring Date : 30.08.2022

Sampling Done By: Sampling Staff

TEST RESULT

S.No.	Location	Noise Level in dB(A)	
		Day	Night
1.	Near Main Plant	66.1	65.5
2.	Near Boiler	72.4	67.3

Noise Work area- Factory Act-1948

Area Code

A

Category of area

Industrial Area

Limit in dB(A) Leq

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 Signatory

Dalmia Bharat Sugar & Industries Ltd. Nigohi Distillery, Shahjhanpur

Health Surveillance Report Year 2022-23 (From April-22 to Sept-22)

Sr.No	E Code	Employee Name	Father Name	Designation	Date of Birth	Date of Joining	Medical Report	Remark
1	0005650	Narendra Singh Rawat	S/O D. S. RAWAT	Distillery Head	15/04/1979	25/12/2017	Found Ck	Examination Completed Vision, Chest, Sores, Urea, S.G.Ot, Sugar, B.G.Ot Pressure, Personal hygiene
2	0009756	Mukesh Singh Chauhan	S/O NATTHU SINGH CHAUHAN	Senior Executive	07/05/1980	03/03/2019	Found Ck	
3	0009254	Ashu Chauhan	S/O DEVRAJ SINGH	DCS Engineer	03/04/1991	02/09/2018	Found Ck	
4	0005314	Rajneesh Kumar	S/O ANIL KUMAR SINGH	DCS Engineer	08/03/1993	20/09/2013	Found Ck	
5	0010033	Anuj Yadav	S/O MAHESH CHAND YADAV	Shift Chemist	16/11/1995	17/10/2019	Found Ck	
6	0010159	Shivam Pandey	S/O SHIV BAHADUR PANDEY	Shift Chemist	08/10/1998	07/12/2019	Found Ck	
7	0010160	Jai Bharat Singh	S/O RAM MOHAN SINGH	Shift Chemist	08/09/1991	07/12/2019	Found Ck	
8	0010272	Ajay Kumar Gautam	S/O LATE SHYAM LAL	shift Engineer	01-05-1982	15-01-2020	Found Ck	
9	400001	Prem Pal	S/O RAM RATAN	SENIOR ELECTRICIAN	15/03/1972	20/08/2013	Found Ck	
10	400002	Bhupendra Kumar	S/O SUNDER LAL VERMA	Distillation Operator	03/07/1984	05/09/2013	Found Ck	
11	400003	Pravendra Kumar	S/O SOHANVEER SINGH	Fermentation Operator	25/03/1985	05/09/2013	Found Ck	
12	400004	Anuj Kumar	S/O RAM PRATAP	Fermentation Operator	30/12/1989	07/09/2013	Found Ck	
13	400005	Dheeraj Gupta	S/O SUSHIL KUMAR GUPTA	Electrician Helper	12/07/1978	01/02/1995	Found Ck	
14	400006	Jitendra Singh	S/O FATEH BAHADUR SINGH	Fermentation Operator	05/02/1983	07/09/2013	Found Ck	

Hand Singh
Date: 19/09/2024

REG. NO. 00537
Dalmia Bharat Sugar and Industries Ltd.
Super City, J.P.
Shahjhanpur, U.P. 242 407

15	400007	BANWARI LAL	S/O SHRI SHIVRAM	Molasses Pumpman	10/07/1969	19/10/1994	Found Ok
16	400008	RAM BHUJAN	S/O GANGU	Molasses Pumpman	11/03/1975	18/01/1995	Found Ok
17	400013	Govind Singh	S/O JAVEER SINGH	Fermentation Helper	01/11/1987	28/02/2007	Found Ok
18	400014	Abdhes Singh	S/O RAJENDRA SINGH	Helper	15/02/1984	28/02/2007	Found Ok
19	400015	Harindra Dwivedi	S/O SATYAPRIYA DWIVEDI	Auxiliary Operator	26/03/1968	31/10/2006	Found Ok
20	400016	Sandeep Kumar Srivastava	S/O M.L.SRIVASTAVA	Auxiliary Operator	07/06/1982	13/08/2007	Found Ok
21	400017	Sarvesh Kumar Kashyap	S/O RAM NATH KASHYAP	Auxiliary Operator	04/02/1977	27/02/2007	Found Ok
22	400018	Karuna Shankar Awasthi	S/O SURESH CHAND AWASTHI	Fermentation Operator	17/07/1974	28/02/2007	Found Ok
23	400021	Devrat Singh	S/O OMPRAKASH SINGH	TURBINE OPERATOR	01/04/1985	11/10/2018	Found Ok
24	400022	Om Prakash Yadav	S/O RAM TAPESHWAR YADAV	TURBINE OPERATOR	04/03/1985	15/10/2018	Found Ok
25	400026	Narendra Pal	S/O NANHE LAL	INSTRUMENT TECHNICIAN	15/03/1987	22/10/2018	Found Ok
26	400029	Ravi Kumar Vishwakarma	S/O AWADH BIHARI	BOILER ATTENDENT	17/09/1972	12/11/2018	Found Ok
27	400036	Balendra Kumar	S/O SHAROU SINGH	Senior Boiler Attendant	19/02/1982	01/11/2019	Found Ok
28	400038	Upendra Kumar Gupta	S/O MEVALAL SHAH	BOILER ATTENDANT	31/01/1984	27/11/2019	Found Ok
29	400039	Narendra Kumar Tiwari	S/O R P TIWARI	Electrician	05/07/1980	28/11/2019	Found Ok

Hint Singh
 D-3 E-19
 Reg. No. 60057
 District Engineer, Fertilizer
 Super. Cell, Fertilizer
 Shakti, Faridkot (151002)

30	400041	Arun Kumar	S/O JAGVEER SINGH	CPU Operator	02/07/1980	26/12/2019	Found Ok
31	400042	Uday Pratap Singh	S/O YASH PAL SINGH	Microbiologist	01/04/1992	26/12/2019	Found Ok
32	400044	Ramesh Gaun	S/O RAMAKANT GAUN	EVAPORATOR OPERATOR	15/07/1985	26/12/2019	Found Ok
33	400045	Abhishhek Kumar	S/O JAWAHAR LAL SINGH	Shift Incharge	01/10/1991	26/12/2019	Found Ok
34	400046	Shambhu Prasad Gupta	S/O OM PRAKASH GUPTA	FIREMAN	01/03/1976	26/12/2019	Found Ok
35	400047	Durvesh Kumar Verma	S/O SOHAN LAL VERMA	SENIOR FITTER	15/12/1967	26/12/2019	Found Ok
36	400049	Ramashankar Kushwaha	S/O RAMDEV KUSHWAHA	WELDER	03/07/1989	26/12/2019	Found Ok
37	400050	Ravindra Yadav	S/O RAMAKANT YADAV	FITTER	18/05/1980	26/12/2019	Found Ok
38	400052	Ajay Kumar Sharma	S/O SURAJ PAL SHARMA	Warehouse Operator	03/08/1970	26/12/2019	Found Ok
39	400053	Avneet Singh	S/O DHARMENDRA SINGH	Shift Chemist	01/07/1991	26/12/2019	Found Ok
40	400054	Virendra Kumar	S/O CHARAN SINGH	CPU Operator	01/07/1987	26/12/2019	Found Ok
41	400056	Phool Chand	S/O RAM MOHAN	FITTER	05/11/1979	26/12/2019	Found Ok
42	400057	Pankaj Singh	S/O JETBAHADUR SINGH	EVAPORATOR OPERATOR	20/05/1995	26/12/2019	Found Ok
43	400058	Yatish Kumar	S/O VEEDPAL SINGH	Warehouse Operator	25/01/1985	11/01/2020	Found Ok
44	400059	Dhananjay Kumar	S/O RAJENDRA PRASAD	Shift Incharge	04/10/1991	15/01/2020	Found Ok

Hrit Singh
 30/12/19
 R.O. No. 1085
 S.No. 1085/2019

Dated: 30/12/2019
 Smt. Jyoti Singh (U.P.) 242/207

45	400051	Rohit Kumar	S/O SHEEPSAL SINGH	SH Recharge	14/05/1998	12/03/2020	Found OK
46	400052	Mamohan Singh	S/O SH VISHANTRA SINGH	SH Recharge	10/07/1991	12/03/2020	Found OK
47	1000524	Indrajeet Kumar	Premod Kumar Singh	INSI KUMAR TECHNICAL	15-Feb-20	24-Apr-20	Found OK
48	10005630	Deepak Kumar	Wiroda Pal Singh	Electrician	6-Jun-20	15-Sep-20	Found OK
49	10004799	Virey Pal	Shivjyendra Prasad	Fireman	14-Mar-20	5-Mar-21	Found OK
50	10004836	Kamlesh Kumar	Sh. Prabhj Nath Ram	INSTRUMENT TECHNICIAN	7/Feb/2020	10/04/2020	Found OK
51	10005813	Satendra Yadav	Sheela Lal Yadav	Distillation Operator	6/May/1991	13/May/2021	Found OK
52	10005815	Mahesh Kumar Gangwar	Beetle Lal Gangwar	Warehouse Clerk	11/Mar/1997	27/May/2021	Found OK
53	10005840	Anuj	Jai Boor	Distillation Operator	6/May/1996	14/May/2021	Found OK
54	10005841	Avinid Singh Rawat	Mahesh Singh	Fermentation Operator	25/Jul/1992	14-Aug/2021	Found OK
55	10005842	Prachar Babu	Dharmendra	Fermentation Operator	10/Jul/1997	14/Aug/2021	Found OK
56	10005850	Arindra	Ran Belas	Distillation Operator	7/Aug/1995	13/Aug/2021	Found OK
57	10006008	Anil Kumar	Pawan Kumar	Distiller Operator	10/Dec/1993	28/Dec/2021	Found OK
58	10006020	Nidharth Kumar	Murendra Pal	CPU Operator	15/Jan/1998	27/Jan/2022	Found OK
59	10006038	Ankit Kumar	Ran Br Singh	Distillation Operator	21/May/1992	16/Feb/2022	Found OK
60	10006749	Premraj Abhijith	Prasad P	Site Chemist	18/Jun/1996	27/May/2020	Found OK

Chief Executive Officer
 Shree Anand Paper Mills
 20, Sector-10, Gurgaon, Haryana
 Date: 19/09/2022
 Signature: [Handwritten Signature]
 Stamp: [Circular Stamp]

61	1029912	Amit Kumar	Ramkishore .	Deputy Manager	7/Jan/1981	1/Apr/2021	Found Ok
62	1031190	Amit Sharma	Devkumar Sharma	Deputy Manager	15/Jul/1992	21/Jul/2021	Found Ok
63	1033246	Durgesh Yadav	Dharam Raj Yadav	Executive Trainee	5/May/1994	1/Dec/2021	Found Ok
64	1033247	Chetanya Prakash	RoopChandra .	Executive Trainee	9/Sep/1999	1/Dec/2021	Found Ok

Dr. Amit Singh
 Reg. No. 5853
 Delhi School Super and Industries Ltd
 Sanyalpur (U.P.) 202 207


Dalmia
Bharat Sugar

o/c
cement! sugar! refractories! power!

DBSIL/DISTILLERY/EHS/2022/ 596

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,

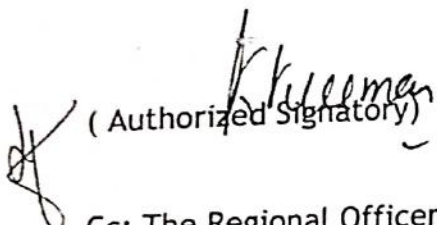
As per Environment (Protection) Rule No.14 (Amended) of the Environment (Protection) Act 1986, the Environmental statement for the financial year 2021-22 is submitted herewith to fulfill the requirement of the rule.

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

Dalmia Bharat Sugar and Industries Limited, Distillery Unit Nigohi
Village - Kulyan, Post - Areli, Teshil-Tilhar, District - Shahjahanpur-242 407, Uttar Pradesh, India
T +91 5841 275 538 F +91 5841 275 540, W www.dalmiasugar.com, CIN : L26942TN1951PLC000640
Registered Office : Dalmiapuram, Dist. Tiruchirapalli, Tamil Nadu 621 651, India
A Dalmia Bharat Group company, www.dalmiabharat.com

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,


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



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

FORM – V
(See Rule-14)

ENVIRONMENTAL STATEMENT

for

THE FINANCIAL YEAR *ending*
31ST MARCH, 2022

ENVIRONMENTAL STATEMENT

For

THE FINANCIAL YEAR 2021-2022
(1st April, 2021 to 31st March, 2022)


For

Dalmia Bharat Sugar & Industries Ltd.
Distillery Unit
Village – Kalyan Post – Aroll
District - SARANJANPUR (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. K. Kulkarni*
(Authorized Signatory)

CONTENTS

=====

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

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 12th 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 16th 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 30th 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 16th day of May, 1991 but before 31st 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 31st 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 13th 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 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 31st March in form-V to concerned State Pollution Control Board on or before the 15th 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 "15th 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 28th 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 condensor) 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.

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.

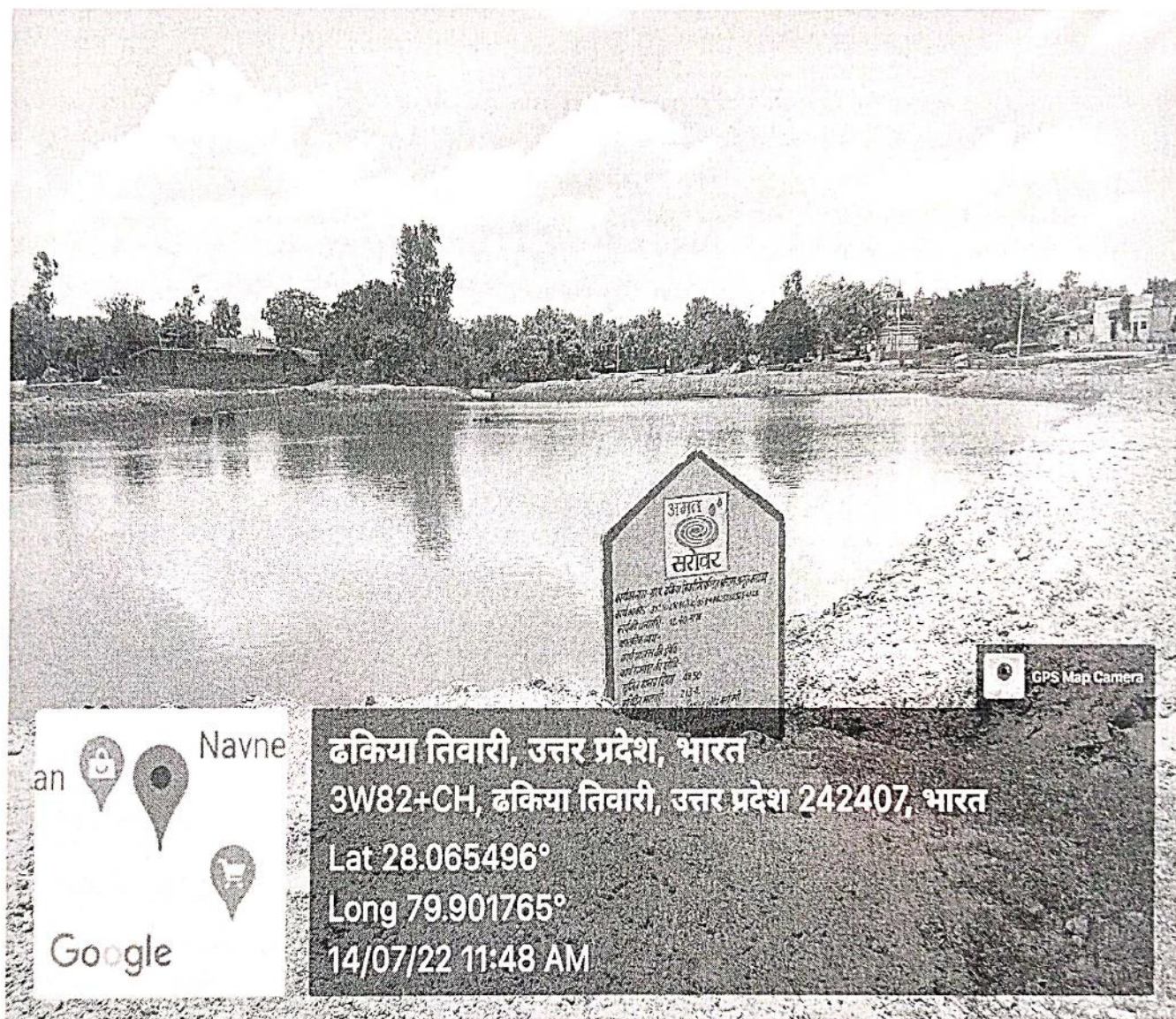
Industry has made all the specification concerned with Air, Water, Noise under Air Pollution Control & Prevention Act, 1981 and Water Pollution Control & Prevention Act, 1978.

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.

Dalmia Bharat Sugar and Industries Limited

Corporate Social Responsibility

CSR Activities from April to September 2022



Submitted by

Dalmia Bharat Sugar & Industries Limited
Unit- Nigohi, District- Shahjahanpur, UP

Dear Sir/Ma'am,

Ref: CSR activities undertaken in FY 2021-22 by the Dalmia Bharat Sugar and Industries Limited (DBSI), Unit- Nigohi, District- Shahjahanpur, UP

The vision of our company, DALMIA BIHARAT 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, programmes (either new or ongoing) in a manner compliant with the Act and the Rules ("Projects").

In light of the Company ' s vision and objectives as set out above, the Company undertake Projects covering the following areas/activities:

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/programmes.

CSR Activities Details FY 2022

S.N.	Program Activities	UoM	Unit Qty	No. Of Beneficiaries	Impact
A					
Climate Action (Soil, Water Conservation & Energy Conservation)					
1.	Water harvesting through defunct borewell and Recharge Shaft	Nos	50 pits	50 farmers	50 Bore recharge-wells constructed in Nigohi locations, creating an annual harvesting potential of 4.63 lakh KL of rainwater.
2.	Water harvesting through Recharge Shaft	Nos	10 Pits	500 farmers	10 Recharge shafts constructed in Nigohi locations , creating an annual water harvesting potential of 2.0 lakh KL.
3.	Promotion of vermi-compost pits and Farm Yard Manure pits	Nos	557 pits	557 farmers	In this FY 2022 -23 We have promoted 557 vermi composting and FYM pits. The aim is to promote the organic fertilizer and reduce the cost of chemical fertilizers.
B					
Livelihood Skill Development					

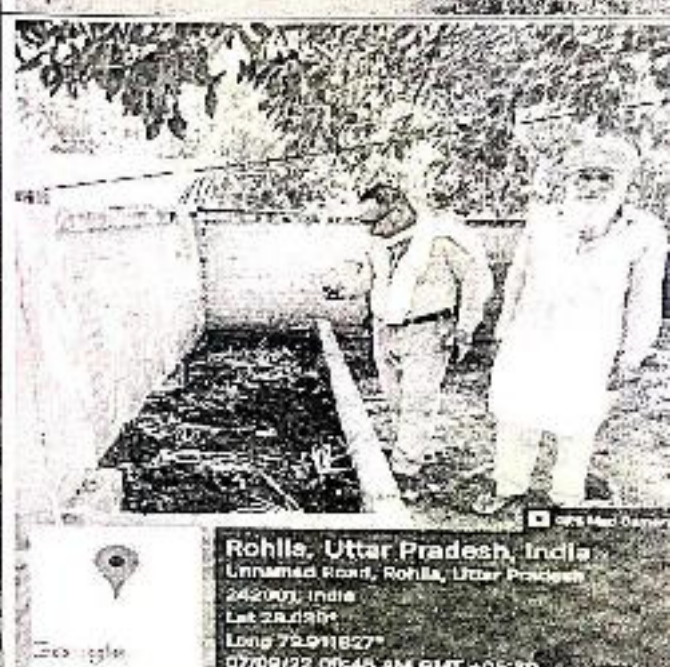
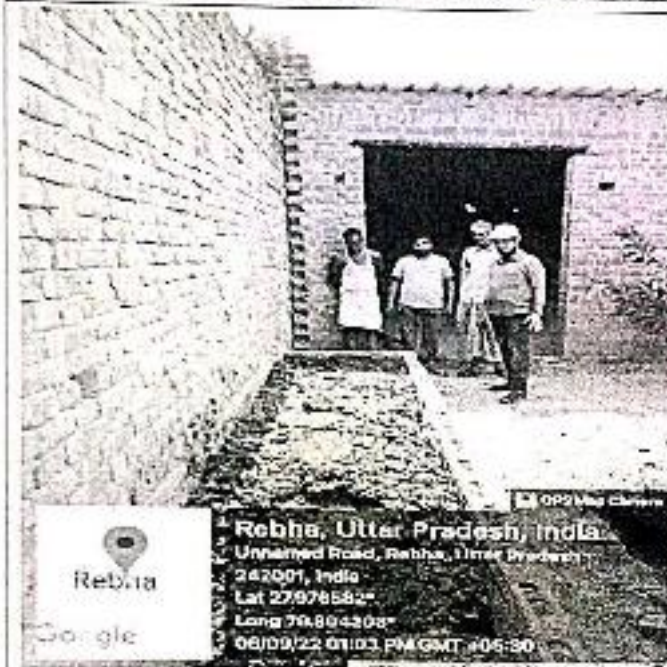
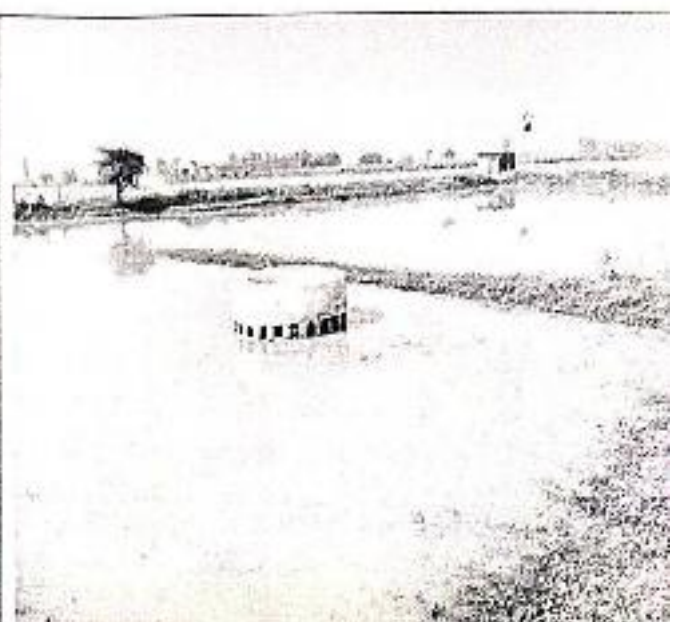
4.	Breed Improvement and Livestock Development with BAIF has promoting and ensuring sustainable livelihood of farmers	Nos	15 villages	1610 households/farmers	Artificial Insemination Cows & Buffaloes Inseminated - 547 Cows & Buffaloes Pregnant - 210 Calves born - 153
5.	Skill development center ensuring employment for	Nos	1	480 Youth	1. 173 Trainees completed their training during the year at 1 Centers of Dalmia Institute of Knowledge and Skill Harnessing (DIKSHA). 2. 130 Trainees were pursuing their training as on 30th Sept. 2022. 3. Over 90% of the passed trainees are gainfully employed and earn a monthly income ranging between INR 6,000 and INR 15,000.
6.	SHG (Self Help Group) formation, training and promotion of IGA (Income Generation Activities)	Nos	25	250 Women	During the FY 22, the 65 SHGs women are gainfully completed their IGA training and get additional income INR 4000/- to 10000/- per month.
Social Infrastructure					
7.	Adopted 50 TB patient in Nigohi Block	Nos	50 Patient	50 Patient	50 TB patients have been adopted in location and distributed nutrition kit for better health & fast recovery for the nutritional management of the patient.
8.	Dual Desk Bench	Nos	227 Bench	681 Childrens	227 Dual desk bench has been provide to the 6 PS & UPS school's in Nigohi Location for better educational environment of the schools.

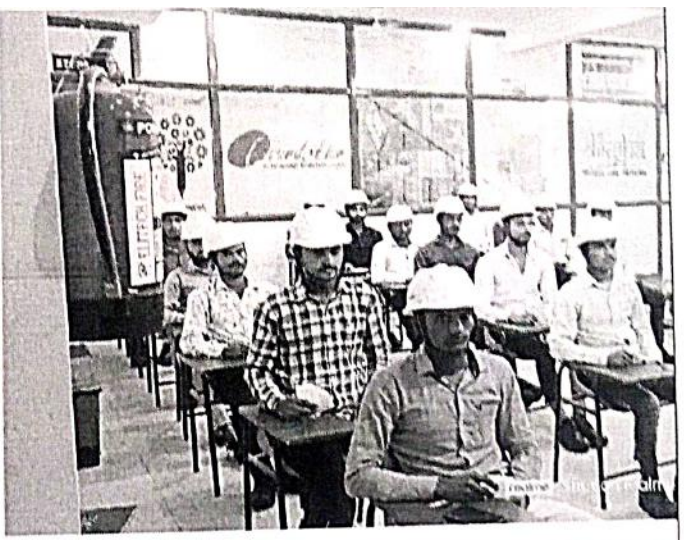
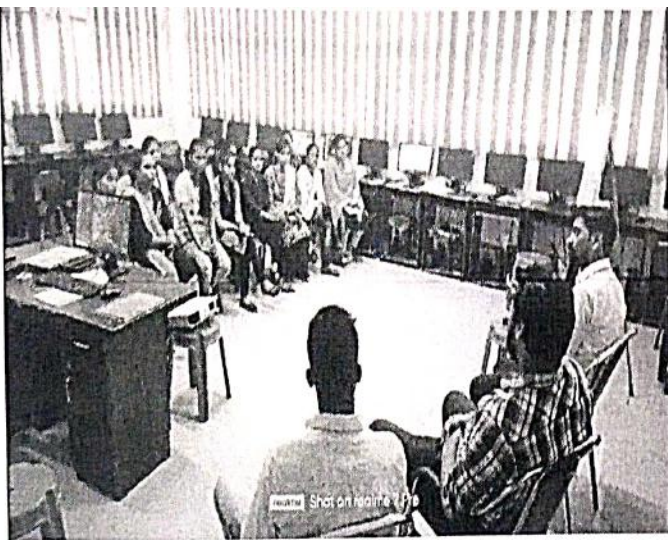
Thanking you

Yours faithfully

For DALMIA BHARAT SUGAR & INDUSTRIES LIMITED
Unit Head, DBSIL, Nigohi

Photographs





DALMIA BHARAT SUGAR & INDUSTRIES LIMITED DISTILLERY UNIT NIGOHI SHAHJAHANPUR			
[Environmental Cell]			
In view of the statutory requirement, we have constituted An Environmental cell on 01.02.2022. 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 Environmental Science (NSI Kanpur)
4	Rahul	Shift Incharge	B.sc, Difat
5	Manmohan	Shift Incharge	B.sc, Difat
6	Abhishek Kumar	Shift Incharge	B.sc, Difat
7	Udai	Micro Biologist	M.sc. Biotec, Difat
8	Arun Kumar	CPU Operator	ITI
9	Monu	CPU Operator	Diploma
10	Virendra Singh	CPU Operator	Diploma