

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 (October,2023 to March,2024) 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.

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 2023
- 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 2023 to March 2024

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 167418/UPPCB/Bareilly(UPPCBRO)/CTO/b oth/SHAHJAHANPUR /2022 dated 08/11/2022, valid till 31/12/2024 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"> <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</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 60 employees of unit during October-23 to Mar-24 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 (i)	Other generic Conditions 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.

	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.	
(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 stations 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	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

	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 storms 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 setup to control Environmental parameters. Annexure -6 attached.
(xi)	The company shall earmark sufficient funds towards capital cost and recurring cost per annual 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.

	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.	
(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	Compliance Report along with monitoring data are being submitted accordingly.

	<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 & CC, 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.</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, 2023 is submitted on 11th of May 23 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 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	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



By Speed Post/Online

F.No. IA-J-11011/315/2017- IA II (I)
Government of India
Ministry of Environment, Forest and Climate Change
(Impact Assessment Division)

Indira Paryavaran Bhawan
Jorbagh Road, New Delhi - 110003

Dated:15th October, 2020

To

M/s Dalmia Chini Mills Nigohi-Distillery Division
(A unit of Dalmia Bharat Sugar and Industries Limited)
Village Kuiyan, Post Areli, Tehsil Tilhar
District Shahjahanpur, Uttar Pradesh

Email: mittal.pradeep@dalmiasugar.com

Sub: Expansion of Molasses based Distillery from 60 KLPD to 110 KLPD by Modernization and enabling usage of B- Heavy Molasses and Cane Juice at Village Kuiyan, Tehsil Tilhar, District Shahjahanpur, Uttar Pradesh by M/s Dalmia Chini Mills Nigohi-Distillery Division (A unit of Dalmia Bharat Sugar and Industries Limited) - Environmental Clearance - reg.

Sir,

This has reference to your proposal No. IA/UP/IND2/168105/2020 dated 14th August 2020, submitting the Form2/PFR report on the above subject matter.

2. The Ministry of Environment, Forest and Climate Change has examined the proposal for environmental clearance to the project for Expansion of Molasses based Distillery from 60 KLPD to 110 KLPD by Modernization and Enabling usage of B- Heavy Molasses and Cane Juice by M/s Dalmia Chini Mills Nigohi-Distillery Division (A unit of Dalmia Bharat Sugar and Industries Limited) in an area of 4.5 ha located at Village Kuiyan, Tehsil Tilhar, District Shahjahanpur, Uttar Pradesh.

3. The details of products and capacity are as under:

S.No.	Unit	Product	Existing	Proposed	Total
1.	Molasses based distillery	Ethanol/RS/Impure Alcohol/ENA	60 KLPD	50 KLPD	110 KLPD
2.	Co-generation power plant	Power	2.5 MW	---	2.5 MW

4. The existing land area is 4.5 ha (45000 sqm). The proposed expansion will be done within the existing plant premises and no additional land is required. Industry will develop greenbelt in an area of 1.5 ha (15000 sqm) covering 33% of total project area. The estimated project cost is Rs. 10.0 crores. Total capital cost earmarked towards environmental pollution control measures is Rs. 5.0 crores (MEE, upgradation in CPU and recycling units) and the recurring cost (O&M) will be about Rs. 10 lakhs per annum. The project will provide employment for 101 persons (permanent 58 & temporary 43) after expansion. The project proponent has allocated Rs. 10 lakhs (@1%) towards Corporate

EC for M/s Dalmia Chini Mills Nigohi

Environment Responsibility.

5. There are no National parks, Wildlife sanctuaries, Biosphere reserves, Tiger/ Elephant Reserves, Wildlife corridors etc., within 10 km from the plant site. Rivers, Kaimua (2.9 km in WNW), Barah (3.0 km in E), Barahi (6km in ESE), Deoha/Garra (6.8 km in SSW) and Katna (7.5 km in W) flows within 10 km from the project site.

6. The total fresh water requirement estimated for 110 KLPD distillery will be 330 KLPD, for 2.5 MW Co- generation power Plant will be 150 KLPD and for domestic usage, greenbelt and others will be 20 KLPD. Thus, total fresh water requirement will be 500 KLPD and will be met from ground water. Effluent of 820 KLPD quantity after expansion will be treated through state of art ETP (Anaerobic, aerobic, Filters, & RO system). There will be no discharge of treated/untreated waste water from the unit, and thus ensuring Zero Liquid Discharge.

Power requirement after expansion will be 1.75 MW Including existing 1.4 MW and will be met from existing 2.5 MW Co-generation Power Plant & DG sets (for emergency). Existing one DG set of capacity 500 KVA, which is used as standby during power failure shall cater to the proposed expansion.

Existing unit has concentrated spent wash & bagasse fired boiler of capacity 24 TPH and no additional boiler will be installed for the expansion. ESP with a stack height of 65 m is installed for controlling the particulate emissions within the statutory limits.

CO₂ generated during the fermentation process will be sold to vendors. Concentrated spent wash will be burnt in boiler along with bagasse. Ash (22 TPD) will be used as manure due to rich potash content or sold to fertilizer manufacturers. Sludge will be dried and given to farmers to be used as soil manure. Used oil generated from the plant machinery/ gear boxes as hazardous waste will be sold out to the CPCB authorized recycler.

7. The project/activity is covered under category A of Item 5 (g) 'Distilleries' of the Schedule to the Environment Impact Assessment Notification, 2006 and requires appraisal at central level by the sectoral Expert Appraisal Committee (EAC) In the Ministry.

8. The proposal has been submitted as per para 7(ii) of the EIA Notification, 2006 requesting exemption from fresh terms of reference (ToR), public hearing and EIA report.

9. The Ministry has earlier issued environmental clearance (EC) vide letter dated 30th May, 2018 to the project for Molasses based distillery of 60 KLPD In favor of M/s Dalmia Chini Mills Nigohi-Distillery Division (A unit of Dalmia Bharat Sugar and Industries Limited). The Ministry's Regional Office at Lucknow vide has provided compliance status of the existing EC conditions after conducting site visit on 10th September, 2019. The project proponent has submitted an undertaking dated 16th September, 2020 stating that, for the proposed expansion, the company has not started any modernization or construction activities till date. The ongoing work in the plant is a part of routine operation and maintenance and not related to this expansion proposal, and no violation has been done by the company at any point of time. It was also informed by the project proponent that there is no litigation pending against the project.

10. The proposal was considered by the Expert Appraisal Committee (Industry-2) In its meeting held on 15-17 September, 2020 in the Ministry, wherein the project proponent and their accredited consultant M/s JM EnviroNet Pvt Ltd presented the EIA/EMP report as per the ToR. The Committee found the EIA/EMP report complying with the ToR and recommended the project for grant of environmental clearance.

11. The Committee noted that the instant proposal has submitted under provisions of para 7 (ii) of the EIA Notification, 2006. The Committee deliberated the compliance status of earlier environmental clearance submitted by project proponent and found in order. The Committee has also deliberated on the justification submitted by the project proponent on the non-complied points and has noted that the reported ongoing work in the plant is a part of routine maintenance and not for the proposed project. It was also noted that there is no litigation pending against the project. There is no major impact envisaged on the environment due to the modernization of the plant.

The EAC, constituted under the provision of the EIA Notification, 2006 and comprising of Experts Members/domain experts in various fields, have examined the proposal submitted by the Project Proponent in desired form along with PFR report prepared and submitted by the Consultant accredited by the QCI/ NABET on behalf of the Project Proponent.

The EAC noted that the Project Proponent has given undertaking that the data and information given in the application and enclosures are true to the best of his knowledge and belief and no information has been suppressed in the PFR report. If any part of data/information submitted is found to be false/ misleading at any stage, the project will be rejected and Environmental Clearance given, if any, will be revoked at the risk and cost of the project proponent.

The Committee noted that the Form 2/PFR report is in compliance of the notification/guidelines/OMs issued by the Ministry for such projects, reflecting the present environmental concerns and the projected scenario for all the environmental components. The compliance of the existing EC conditions found to be satisfactory. The EAC has deliberated the proposal and has made due diligence in the process as notified under the provisions of the EIA Notification, 2006, as amended from time to time and accordingly made the recommendations to the proposal. The Experts Members of the EAC have found the proposal in order and have recommended for grant of Environmental Clearance as per para 7(ii) of the EIA Notification, 2006 exempting ToR, fresh public hearing and EIA report.

12. The environmental clearance granted to the project/activity is strictly under the provisions of the EIA Notification 2006 and its amendments. It does not tantamount/construe to approvals/consent/ permissions etc. required to be obtained or standards/conditions to be followed under any other Acts/ Rules/ Subordinate legislations, etc., as may be applicable to the project. The project proponent shall obtain necessary permission as mandated under the Water (Prevention and Control of Pollution) Act, 1974 and the Air (Prevention and Control of Pollution) Act, 1981, as applicable from time to time, from the State Pollution Control Board, prior to construction & operation of the project.

13. Based on the proposal submitted by the project proponent and recommendations of the EAC (Industry-2), Ministry of Environment, Forest and Climate change hereby accords environmental clearance to the project for **Expansion of Molasses based Distillery from 60 KLPD to 110 KLPD by Modernization and enabling usage of B-Heavy Molasses and Cane Juice by M/s Dalmia Chini Mills Nigohi-Distillery Division (A unit of Dalmia Bharat Sugar and Industries Limited) at Village Kuiyan, Tehsil Tilhar, District Shahjahanpur, Uttar Pradesh**, under the provisions of the EIA Notification, 2006, subject to the compliance of terms and conditions as under:-

- (i). The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the


EC for M/s Dalmia Chini Mills Nigohi

- recommendations made in the EIA/EMP in respect of environmental management, and risk mitigation measures relating to the project shall be implemented.
- (ii). As already committed by the project proponent, Zero Liquid Discharge shall be ensured and no waste/treated water shall be discharged outside the premises. Treated effluent shall be reused in the process/utilities. Treated Industrial effluent shall not be used for gardening/greenbelt development/horticulture.
 - (iii). As proposed, total fresh water requirement shall be 500 cum/day, proposed to be met from ground water source. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time.
 - (iv). The project proponent shall ensure rain water harvesting system in the project area and reduce dependency on ground water.
 - (v). The spent wash/other concentrates shall be incinerated.
 - (vi). CO₂ generated from the process shall be bottled/made solid ice and utilized/sold to authorized vendors.
 - (vii). Occupational health centre for surveillance of the worker's health shall be set up. The health data shall be used in deploying the duties of the workers. All workers & employees shall be provided with required safety kits/mask for personal protection.
 - (viii). Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.
 - (ix). The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.
 - (x). Process organic residue and spent carbon, if any, shall be sent to Cement other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.
 - (xi). The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapour recovery system. (f) Use of high pressure hoses for equipment clearing to reduce wastewater generation.
 - (xii). The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.
 - (xiii). As committed, project proponent shall allocate Rs. 10 Lakhs @1% of total project cost towards Corporate Environment Responsibility as per the Ministry's OM dated 01.05.2018. The CER shall be utilized properly to address the socio-economic and environmental issues in the study area. The CER plan shall be completed within three year of expansion of the project.
 - (xiv). The project proponent shall develop solar power facilities and majority of the lighting facility in the unit shall be met from solar.

- (xv). 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 on public places.
- (xvi). Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.
- (xvii). Continuous online (24x7) monitoring system for stack 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 shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises.
- (xviii). A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.

13.1 The grant of environmental clearance is further subject to compliance of other general conditions as under:-

- (i) No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.
- (ii) The energy source for lighting purpose shall be preferably LED based, or advance having preference in energy conservation and environment betterment.
- (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.
- (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 followed.
- (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. 75 dBA (day time) and 70 dBA (night time).
- (vi) The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and to utilize the same for process requirements.
- (vii) Training shall be imparted to all employees on safety 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.

- (viii) The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented.
- (ix) The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.
- (x) A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.
- (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 conditions stipulated herein. The funds so earmarked for environment management/ 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, ZillaParishad/Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.
- (xiii) The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental 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, the respective Zonal Office of CPCB and SPCB. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the website of the company.
- (xiv) The environmental statement for each financial year ending 31st March in Form-V as is 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 environmental clearance conditions 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 copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at <https://parivesh.nic.in/>. This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.
- (xvi) The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.
- (xvii) This Environmental clearance is granted subject to final outcome of Hon'ble Supreme Court of India, Hon'ble High Court, Hon'ble NGT and any other Court of Law, if any, as may be applicable to this project.

14. The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.

15. Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of the Environment (Protection) Act, 1986.

16. Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.

17. The above conditions shall be enforced, *inter-alia* under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (Protection) Act, 1986, Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 along with their amendments and Rules and any other orders passed by the Hon'ble Supreme Court of India / High Courts and any other Court of Law relating to the subject matter.

18. This issues with approval of the competent authority.

15/10/2020

(Dr. R. B. Lal)
Scientist 'E'/Additional Director
पर्यावरण एवं वन विभाग, उत्तर प्रदेश सरकार
Minist. Environm. & Forests, Govt. of U.P.
आर.बी. लाल, ए.डी.डी. 110001
Lucknow, U.P.

Copy to: -

1. The Deputy DGF (C), MoEF&CC Regional Office (CZ), Kendriya Bhawan, 5th Floor, Sector "H", Aliganj, Lucknow (UP) - 20
2. The Secretary, Department of Environment, Government of Uttar Pradesh, 601, Babu Bhawan, Secretariat, Vidhan Sabha Marg, Lucknow (UP) - 1
3. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, CBD-cum-Office Complex, East Arjun Nagar, Delhi - 32
4. The Member Secretary, Uttar Pradesh Pollution Control Board, Building No. TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow - 10
5. The Member Secretary, Central Ground Water Authority, 18/11, Jamnagar House, Mansingh Road, New Delhi - 11
6. The District Collector, District Shahjahanpur (Uttar Pradesh)
7. Guard File/Monitoring File/Website/Record File

(Dr. R. B. Lal)
Scientist 'E'/Additional Director
Tele-fax: 011-24695362
Email-rb.lal@nic.in



Uttar Pradesh Pollution Control Board
Building, No TC-12V Vibhuti Khand, Gomti Nagar, Lucknow-226010
Phone: 0522-2720828, 2720831, Fax: 0522-2720764, Email: info@uppcb.in, Website: www.uppcb.com

167418/UPPCB/Barcilly(UPPCBRO)/CTO/both/SHAHJAHANPUR /2022

Date: 08/11/2022

To,

M/s

DALMIA BHARAT SUGAR AND INDUSTRIES LIMITED UNIT NIGHOI DISTILLERY DIVISION

Dalmia Bharat Sugar and Industries Limited, Village- Kuiyan, Post- Areli, Tahsil- Tilhar, District- Shahjahanpur, U.P ,SHAHJAHANPUR,242407

Application Id-
18221376

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

CCA is hereby granted to **DALMIA BHARAT SUGAR AND INDUSTRIES LIMITED UNIT NIGHOI DISTILLERY DIVISION** located at **Dalmia Bharat Sugar and Industries Limited, Village- Kuiyan, Post- Areli, Tahsil- Tilhar, District- Shahjahanpur, U.P ,SHAHJAHANPUR,242407**. subject to the provisions of the **Water Act, Air Act** and the orders that may be made further and subject to following terms and conditions :-

1. This CCA **DALMIA BHARAT SUGAR AND INDUSTRIES LIMITED UNIT NIGHOI DISTILLERY DIVISION** granted for the period from **01/01/2023 to 31/12/2024** and valid for manufacturing of following products.

S No	Product	Quantity	Unit
1	Ethanol, ENA and 2.5 MW co-gen	110	Kilo Liters/Day

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

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

Kind of Effluent	Quantity(KLD)	Treatment facility	Discharge point
Domestic	10 KLD	STP	drain
Industrial	ZLD	ETP	ZLD

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

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

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

Industrial Effluent Quality Standard

S.No.	Parameter	Standard
1	Quantity of Discharge	ZLD

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

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

S No.	Parameters	Standards
1	pH	5.5-9
2	BOD (mg/L)	30mg/l
3	TSS (mg/L)	100mg/l

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

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

Air Pollution Source Details

S No.	Air Pollution Source	Type of fuel	Stack no	Control Device	Height of Stack
1	Slop Boiler 24 TPH	bagasse and slop	01	Particulate Matter	Electrostatic Precipitator and stack height of 65 meter
2	DG Set 1000 KVA	Diesel	02	Particulate Matter	6 meter above the roof of nearest building

Emmission Quality Standards

S No.	Stack no	Parameters	Standards
1	01	Particulate Matter	50mg/NM3
2	02	Particulate Matter	As per E(P)Rules 1986

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

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

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

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

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

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

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

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

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

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

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

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

General Conditions:-

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

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

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

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

5. The applicant shall maintain good house keeping. All valves/pipes/sewer/drains etc. must be leak-proof

6. The industry shall provide uninterrupted entry to the STP/ETP inlet and outlet points, Air Pollution Control equipment and stack for smooth sampling/monitoring of efficiency of pollution control systems.

7. The industry shall provide Inspection Book at the time of inspection to the Board's officials.

8. Whenever due to any accident or other unforeseen act or event, such emission occurs or is apprehended to occur in excess of standards laid down, such information shall be reported to the Board's offices and all other concerned offices. In case of failure of pollution control equipment, the production process connected to it shall be stopped with immediate effect.

9. The industry shall operate in a manner so that all emissions be emitted through designated chimney/stack only.

10. In case of any damage to the agriculture productivity, human habitation etc. by the operation of industry, it shall be imperative to stop production in the industry with immediate effect and such information shall be

reported to Board's offices. The industry shall be liable to pay compensation also in such cases as decided by the Competent Authority.

11. The applicant shall apply before the 60 days of expiry of CCA or any change in production types/ production capacity/manufacturing process/capacity enhancement etc. or any change in effluent discharge point or emission point

12. The Board reserves the right to revoke/add/modify any stipulated condition issued along with CCA, as may be necessary.

Specific Conditions:-

1. This Consent to Operate is valid for molasses based distillery with production capacity 110 KLPD by Modernization and enabling usage of B-Heavy Molasses and Cane Juice and production of Ethanol, Extra Neutral Alcohol and Impure Alcohol and 2.5 MW co-generation Power Plant for production whole year.

2. The unit shall dispose the spent wash through MEE concentrated spent wash shall be used as a fuel in the incineration boiler of 24 TPH.

3. Unit must strictly maintain zero liquid discharge of effluent outside premises into drain/river/water body and on land.

4. Unit shall obtain NOC from CGWA / UP Ground Water Authority for ground water extraction of 500 KLD and shall comply with Rule 10/11 of UP Ground Water (Management and Regulation) Act 2019.

5. Unit Shall restrict lined storage capacity to 15 days of spent wash generation.

6. Unit shall install STP for the treatment of domestic sewage.

7. Unit shall identify recipient drains/ rivulets and their u/s & d/s location in consultation with UPPCB and shall carry out monthly monitoring of identified recipient drains at u/s & d/s location through lab recognized under Environment (Protection) Act,1986 and shall submit the analysis report on monthly basis by 10th of every month to CPCB and UPPCB.

8. Unit shall operate and maintain properly the installed flow meter and web camera and shall ensure on line connectivity of flow meter and web camera with server of CPCB and UPPCB.

9. Unit shall develop Green Belt in minimum 33 percent area of Industrial Premises as per the provisions laid down in office order no. H16405/220/2018/02 dated 16-02-2018 of U.P. Pollution Control Board. The copy of said office order is available on the website of U.P. Pollution Control Board www.uppcb.com.

10. Process effluent / any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.

11. Unit shall maintain and operate Air pollution control system i. e. Electrostatic Precipitator and stack height of 65 meter and ensure that stack emissions are within the prescribed norms as stipulated in Environment (Protection) Rules 1986.

12. Unit shall ensure that ambient air quality of nearby areas is not adversely affected due to operation and emissions of the unit.

13. Unit shall Operate and Maintain properly the installed online emission monitoring system at the stack of 24TPH boiler and ensure the connectivity with the servers of CPCB and UPPCB.

14. The overall noise levels in and around area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc, on all sources of noise generation. The ambient noise level shall confirm to the standards under the Environment (Protection) Act 1986.

15. Unit shall make temporary storage facility for storage of hazardous waste in the premises before it will send to TSDF as per the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016

16. Unit shall comply the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016 and shall obtain authorization for disposal of hazardous waste.

17. Unit shall install the board showing daily environmental statement ie chemicals used in the treatment of effluent, flow meter reading, hazardous waste generated and send to TSDF etc.at the main gate of the unit

18. Unit shall comply the provisions of Water (Prevention and Control of Pollution) Act 1974 as Amended and Environment (Protection) Act 1986, and direction issued by Hon'ble National Green Tribunal, New Delhi in Order dated 13.07.2017 in OA no. 200/2014, M.C. Mehta v/s Union of India.

19. Unit shall submit ground water quality monitoring report done by MoEF & CC approved laboratory in every 3 months.

20. This Consent order shall automatically become invalid on issuance of Closure Order by C.P.C.B / UPPCB and further on Revoking of Closure order, the Consent order shall become valid.

AJAY KUMAR SHARMA
Digitally signed by AJAY KUMAR SHARMA
Chief Environment Officer
Date: 2022.11.10 18:58:44 +05'30'

Copy to:

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

AJAY KUMAR SHARMA
Digitally signed by AJAY KUMAR SHARMA
Chief Environment Officer
Date: 2022.11.10 18:59:10 +05'30'



UTTAR PRADESH POLLUTION CONTROL BOARD

TC-12V, Vibhuti Khand, Gomti Nagar, Lucknow-226010

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

Ref. No : 19363/UPPCB/Bareilly(UPPCBRO)/HWM/SHAHJAHANPUR /2023

Dated :30/01/2023

To,

M/s DALMIA BHARAT SUGAR AND INDUSTRIES LIMITED UNIT NIGOHI DISTILLERY
DIVISION

Dalmia Bharat Sugar and Industries Limited, Village- Kuiyan, Post- Areli, Tahsil- Tilhar,
District- Shahjahanpur, U.P ,SHAHJAHANPUR,242407

Tehsil :Shahjahanpur

District :SHAHJAHANPUR

Sub :- Authorisation issued under the provisions of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016

1. Number of authorization and date of issue 19363 and 30/01/2023 .
2. Reference of application (No. and date) 19377751 and 22/01/2023 .
3. Mr KULDEEP KUMAR of M/s DALMIA BHARAT SUGAR AND INDUSTRIES LIMITED UNIT NIGOHI DISTILLERY DIVISION is hereby granted an authorization based on the enclosed signed inspection report for generation, collection, utilization, storage and disposal or any other use of hazardous or other wastes or both on the premises situated at Village- Kuiyan, Post- Areli, Tilhar, Shahjahanpur .

Details of Authorisation

S No.	Category of Hazardous Waste as per the Schedules I,II and III of these rules	Authorised mode of disposal or recycling or utilization or co-processing, etc.	Quantity(ton/annum)
1	Schedule I(Category 5.1) Waste Oil	TSDF/ Authorised Recyclers	0.5 Ton per annum

1. The authorization shall be valid for a period of 29/01/2028 from the date of issue of this letter .
2. The authorization is subject to the following general and specific conditions (please specify any conditions that need to be imposed over and above general conditions, if any) .

A General Conditions of Authorization -

1. The authorised person shall comply with the provisions of the Environment (Protection) Act, 1986, and the rules made there under .
2. The authorisation or its renewal shall be produced for inspection at the request of an officer authorised by the State Pollution Board .
3. The person authorized shall not rent, lend, sell, transfer or otherwise transport the hazardous and other wastes except what is permitted through this authorization .
4. Any unauthorized change in personnel, equipment or working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorisation .

ABHISHEK
TRIPATHI

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ABHISHEK TRIPATHI
Date: 2023.03.03
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5. The person authorised shall implement Emergency Response Procedure (ERP) for which this authorisation is being granted considering all site specific possible scenarios such as spillages, leakages, fire etc. and their possible impacts and also carry out mock drill in this regard at regular interval of time .
6. The person authorised shall comply with the provisions outlined in the Central Pollution Control Board guidelines on Implementing Liabilities for Environmental Damages due to Handling and Disposal of Hazardous Waste and penalty .
7. It is the duty of the authorised person to take prior permission of the State Pollution Control Board to close down the facility .
8. The imported hazardous and other wastes shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation .
9. The record of consumption and fate of the imported hazardous and other wastes shall be maintained .
10. The hazardous and other waste which gets generated during recycling or reuse or recovery or pre-processing or utilisation of imported hazardous or other wastes shall be treated and disposed of as per specific conditions of authorisation .
11. The importer or exporter shall bear the cost of Import or export and mitigation of damages if any
12. An application for the renewal of an authorisation shall be made as laid down under these Rules .
13. Any other conditions for compliance as per the Guidelines issued by the Ministry of Environment, Forest and Climate Changes or Central Pollution Control Board from time to time .
14. Annual return shall be filed by June 30th for the period ensuring 31st March of the year .
15. The Unit will file the renewal application at least 2 months prior to the expiry of this Order.

B Specific Conditions of Authorization

1. Unit shall ensure compliance of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.
2. Unit shall comply with the provisions of Rule 19 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and send copy of Form 10 regarding Manifest for Hazardous and Other Wastes.
3. Unit shall comply with the provisions of Rule 20 of The Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 and submit Annual Returns to State Board in Form IV.

ABHISHEK
TRIPATHI
(Authorized Signatory)

Digitally signed by ABHISHEK TRIPATHI
Date: 2023.03.03 17:46:08
+05'30'

UTTAR PRADESH POLLUTION CONTROL BOARD

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

ABHISHEK
TRIPATHI
CEO/EE, I/C Circle _____

Digitally signed by ABHISHEK TRIPATHI
Date: 2023.03.03 17:46:17
+05'30'



CIN: U73100MP2002PTC015352

GSTIN: 23AAECA91881178

Approved: by Occupational Health & Safety Management (ISO45001:2018)
 Approved: by National Accreditation Board for Testing and Calibration Laboratories
 Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)



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 aetrl2016@gmail.com, aetrlcenter@gmail.com
 Web: www.aetrl.com

TEST REPORT

Company Name: Dalmia Bharat Distillery and Industries Ltd.	Date of Issue: 27/03/2024
Distillery Unit- Nigohi	Monitoring Date :19/03/2024
Address: Vill- Kuiyan Po.- Areli ,Shahjahanpur, UP	
Nature of Sample: Flue gas emission of Boiler	Sampling Done By: Sampling Staff
Location Point : Boiler Stack	Lab. ref. No: AETRL/200324ST0001
Stack Height: 65.0 Mtr.	Diameter of Stack:3.0 Mtr.
Type of fuel used : Bagasse	Pollution Control Devices : ESP
Height of Sampling Location:35.0 Mtr.	Material of Construction :RCC
Capacity : 140 Ton	

PHYSICAL OBSERVATIONS

Ambient temperature °C	:	29.0
Flue gas temperature °C	:	138.0
Velocity of flue gas m/s	:	12.6
Sampling flow rate (LPM)	:	11.48

TEST RESULT

S.No.	Parameter	Pollutant Concentration (on the bases of 12 % CO ₂)	Limits
1	Particulate Matter mg/Nm ³	93.46	150
2	Sulphur Dioxide (SO ₂) mg/Nm ³	13.58	NOT SPECIFIED
3	Oxides of Nitrogen (NO ₂) mg/Nm ³	12.78	NOT SPECIFIED

(Authorized Signatory)

Advanced Environmental Testing And Research Lab P. Ltd



CIN: U73100MP2002PTC015352

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

Approved: by National Accreditation Board for Testing and Calibration Laboratories

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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, aetrl2016@gmail.com, aetrlcenter@gmail.com

Web: www.aetrl.com



TEST REPORT

Company Name: Dalmia Bharat Distillery and Industries Ltd. Distillery Unit- Nigohi	Date of Issue: 27/03/2024
Address: Vill- Kuiyan Po.- Areli, Shahjahanpur, UP	Monitoring Date: 19/03/2024
Nature of Sample: Ambient Air Monitoring	Qty of sample: 30ml
Lab. ref. No: AETRL/200324A0001	Sample bottle: Plastic packing
Sample Location: Near Admin Office	Sampling Done By: Sampling Staff
Monitoring Duration: 24 Hrs	Equipment used: Respirable Dust Sampler (APM 460BL) PM 2.5 (APM 550)

TEST RESULT

S. No.	Parameters	Protocol	Unit	Result	Standards
1.	Sulphur Dioxide (SO ₂)	IS 5182:Part2:2001	µg/m ³	16.25	80/Day
2.	Nitrogen Dioxide (NO ₂)	IS 5182:Part6:2006	µg/m ³	20.45	80/Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg/m ³	87.20	100/Day
4.	Particulate matter (less than 2.5 µm)	USEPA CFR40 (50), Appendix L	µg/m ³	42.30	60/Day
5.	Ozone (O ₃)	IS 5182:Part9:1974	µg/m ³	7.85	100/8*Hours
6.	Lead (Pb)	IS 5182:Part22:2004	µg/m ³	0.036	1.0/Day
7.	Carbon Mono Oxide (CO)	IS 5182:Part10:1999	mg/m ³	0.25	02/8*Hours
8.	Ammonia (NH ₃)	APHA 401 (Indophenol)	µg/m ³	13.60	400/Day
9.	Benzene (C ₆ H ₆)	IS 5182:Part 11:2006	µg/m ³	<1.2	05/Annual
10.	Benzo (a) Pyrene (BaP) Particulate Phase only	IS 5182:Part12:2004	ng/m ³	ND*	01/Annual
11.	Arsenic (As)	IS 5182:Part22:2004	ng/m ³	ND	06/Annual
12.	Nickel (Ni)	IS 5182:Part22:2004	ng/m ³	0.35	20/Annual

*ND- Not Detectable

(Authorized Signatory)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

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

Registered Office: 63/1, Kallash Vihar, Near Income Tax Office, City Center-II
 Gwalior-474 011, M.P., India

☎0751-3566867, 2232177

Email: aelgwalior@gmail.com aetri2016@gmail.com, aetricenter@gmail.com

Web: www.aetri.com



TEST REPORT

Company Name: Dalmia Bharat Distillery And Industries Limited, Distillery Unit- Nigohi	Date of Issue: 27/03/2024
Address: Vill- Kuyyan Po.- Areli, Shahjahanpur, UP	Monitoring Date : 19/03/2024
Nature of Sample: Noise Monitoring	Sampling Done By: Sample Collection in presence of lab represented.
Lab. ref. No: AETRL/200324N0001	
Monitoring Duration : 24 Hrs	

TEST RESULT

S. No.	Location	Noise Level in dB(A)	
		Day	Night
1.	Distillation Unit	73.0	65.5
2.	TG Area	65.5	56.0

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	76	72
Commercial Area	66	58
Residential Area	56	46
Silence Zone	52	41

*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)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

GSTIN: 23AAICA9188L1Z8

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

Approved: by National Accreditation Board for Testing and Calibration Laboratories

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

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TEST REPORT

Company Name: Dalmia Bharat Distillery And Industries Limited, Distillery Unit- Nigohi	Date of Issue: 27/03/2024
Address: Vill- Kuiyan Po.- Areli, Shahjahanpur, UP	Monitoring Date :19/03/2024
Nature of Sample: Effluent Sample	Sampling Done By: Sample Collection in presence of lab represented.
Lab. ref. No: AETRL/200324W0004	
Sample Location :Slop	

TEST RESULT

S. No.	PARAMETER	UNIT	PROTOCOL	RESULTS
1	pH	...	APHA 4500 H+B	6.38
2	Suspended Solids(SS)	Mg/l	APHA 4500 H+B	4245.0
3	Total Dissolved Solids(TDS)	Mg/l	APHA-2540(C)	11446.0
4	Total Solid (TS)	Mg/l	APHA -2540B	15691.0
5	Bio-Chemical Oxygen Demand (BOD-3days at 270C)	Mg/l	APHA 4500 (D)	47716.0
6	Chemical Oxygen Demand (COD)	Mg/l	APHA 4500 (B)	98470.0
7	Oil & Grease (O&G)	Mg/l	APHA 4500 (B)	Nil
8	Gross Calorific Value*	K Cal/Kg	IS:1320-2	3070

(Authorized Signatory)



CIN: U73100MP2002PTC015352 GSTIN: 23AAECA91881178
 Approved: by Occupational Health & Safety Management (ISO45001:2018)
 Approved: by National Accreditation Board for Testing and Calibration Laboratories
 Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)
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 Web: www.aetri.com



TEST REPORT

Company Name: Dalmia Bharat Distillery and Industries Ltd. Distillery Unit- Nigohi	Date of Issue: 26/03/2024
Address: Vill- Kuyian Po.- Areli, Shahjahanpur, UP	Monitoring Date :19/03/2024
Nature of Sample: Ambient Air Monitoring	Qty of sample: 30ml
Lab. ref. No: AETRL/200324A0002	Sample bottle: Plastic packing
Sample Location: Near RO Plant	Sampling Done By: Sampling Staff
Monitoring Duration: 24 Hrs	Equipment used: Reparable Dust Sampler (APM 460BL) PM 2.5 (APM 550)

TEST RESULT

S. No.	Parameters	Protocol	Unit	Result	Standards
1.	Sulphur Dioxide (SO ₂)	IS 5182:Part2:2001	µg/m ³	19.78	80/Day
2.	Nitrogen Dioxide (NO ₂)	IS 5182:Part6:2006	µg/m ³	17.40	80/Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg/m ³	65.59	100/Day
4.	Particulate matter (less than 2.5 µm)	USEPA CFR40 (50), Appendix L	µg/m ³	32.46	60/Day
5.	Ozone (O ₃)	IS 5182:Part9:1974	µg/m ³	7.65	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	0.45	02/8*Hours
8.	Ammonia (NH ₃)	APHA 401 (Indophenol)	µg/m ³	6.7	400/Day
9.	Benzene (C ₆ H ₆)	IS 5182:Part 11:2006	µg/m ³	<0.8	05/Annual
10.	Benzo (a) Pyrene (BaP) Particulate Phase only	IS 5182:Part12:2004	ng/m ³	ND*	01/Annual
11.	Arsenic (As)	IS 5182:Part22:2004	ng/m ³	ND	06/Annual
12.	Nickel (Ni)	IS 5182:Part22:2004	ng/m ³	0.46	20/Annual

*ND- Not Detectable

(Authorized Signatory)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

GSTIN: 23AAICA9188L178

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

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

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Web: www.aetrl.com



IC-127-0

TEST REPORT

Company Name: Dalmia Bharat Distillery And Industries Limited, Distillery Unit- Nigohi	Date of Issue: 27/03/2024
Address: Vill- Kuyian Po.- Areli, Shahjahanpur, UP	Monitoring Date :19/03/2024
Nature of Sample: Effluent Sample	Sampling Done By: Sampling Staff
Lab. ref. No: AETRL/200324WW0001	
Sample Location : Outlet of ETP	

TEST RESULT

S. No.	PARAMETER	UNIT	PROTOCOL	RESULTS	Standard (CPCB)
1	pH	...	APHA 4500 H+B	7.78	5.5 -8.5
2	Suspended Solids(SS)	Mg/l	APHA 4500 H+B	26.00	30
3.	Total Dissolved Solids(TDS)	Mg/l	APHA -2540C	640.00	2100
4.	Total Solid (TS)	Mg/l	APHA -2540B	666.00	-
5.	Bio-Chemical Oxygen Demand (BOD-3days at 27°C)	Mg/l	APHA 4500 (D)	28.00	30
6.	Chemical Oxygen Demand (COD)	Mg/l	APHA 4500 (B)	150.00	250
7.	Oil & Grease (O&G)	Mg/l	APHA 4500 (B)	BDL*	10

*Blow detective limit

(Authorized Signatory)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

GSTIN: 23AAECA91SSU178

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

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

Gwalior-474 011, M.P., India

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Web: www.aetri.com



TC-12748

TEST REPORT

Company Name: Dalmia Bharat Distillery And Industries Limited, Distillery Unit- Nigohi	Date of Issue: 26/03/2024
Address: Vill- Kuyian Po.- Areli, Shahjahanpur, UP	Monitoring Date: 19/03/2024
Nature of Sample: Effluent Sample	Sampling Done By: Sampling Staff
Lab. ref. No: AETRL/200324WW0002	
Sample Location: Inlet of ETP	

TEST RESULT

S. No.	PARAMETER	UNIT	PROTOCOL	RESULTS
1	pH	.....	APHA 4500 H+B	7.45
2	Suspended Solids (SS)	Mg/l	APHA 4500 H+B	86.00
3.	Total Dissolved Solids(TDS)	Mg/l	APHA -2540C	998.00
4.	Total Solid (TS)	Mg/l	APHA -2540B	1084.00
5.	Bio-Chemical Oxygen Demand (BOD-3days at 27°C)	Mg/l	APHA 4500 (D)	470.00
6.	Chemical Oxygen Demand (COD)	Mg/l	APHA 4500 (B)	1090.00
7.	Oil & Grease (O&G)	Mg/l	APHA 4500 (B)	1.5

(Authorized Signatory)

Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

GSTIN: 23AAICA9188E178

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

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

Gwalior-474 011, M.P., India

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Web: www.aetrl.com



TEST REPORT

Company Name: Dalmia Bharat Distillery And Industries Limited, Distillery Unit- Nigohi	Date of Issue: 27/03/2024
Address: Vill- Kuyian Po.- Areli, Shahjahanpur, UP	Monitoring Date: 19/03/2024
Nature of Sample: Drinking Water	Sampling Done By: Sample Collection in presence of lab represented.
Lab. ref. No: AETRL/200324W0001	
Sample Location: Bore Well Near RO Plant	

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 (P-8)	Agreeable	Agreeable	No Relaxation
3	Turbidity	....	APHA-2130(B)	<1	5.0 max.	10 max.
4	pH	.....	APHA- 4500 H+B	7.78	6.5 -8.5	No Relaxation
5	Total Hardness	mg/l	APHA-2340(C)	278.0	300 max.	600 max.
6	Iron as Fe	mg/l	APHA-3111(B)	0.30	0.3 max.	1.0 max.
7	Chloride as Cl	mg/l	APHA-4500(B)	28.35	250 max.	1000 max.
8	Residual Free Chlorine (RFC)	mg/l	APHA-4500(B)	Nil	0.2 min.	No Relaxation
9	Total Dissolve Solids	mg/l	APHA-2540(C)	265.0	500 max.	2000 max.
10	Calcium as Ca	mg/l	APHA-3500(B)	62.30	75 max.	200 max.
11	Magnesium as Mg	mg/l	APHA-3500 Mg(B)	26.78	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)	24.80	200 max.	400 max.
15	Nitrate as NO ₃	mg/l	APHA-4500 NO ₃ (B)	1.6	45 max.	100 max.
16	Fluorides as F	mg/l	APHA-4500(D)	0.45	1.0 max.	1.5 max.
17	Mercury as Hg	mg/l	APHA-3112(B)	Not deducted	0.001 max.	No Relaxation

(Authorized Signatory)

Advanced Environmental Testing And Research Lab P. Ltd.



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IC-12750

18	Cadmium as Cd	mg/l	APHA-3111(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-3111(B)	<0.01	0.05 max.	No Relaxation
22	Zinc as Zn	mg/l	APHA-3111(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-B	<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)	184.0	200 max.	600 max.
29	Aluminium as Al	mg/l	APHA-3500(B)	<0.02	0.03 max.	0.2 max.
30	Barium as (Ba)	mg/l	APHA-4500(B)	<0.05	0.1 max.	No Relaxation
31	Total Coliform (MPN)	No./100 ml	APHA-9215 (A,B)	Absent	Absent	No Relaxation
32	Malybdenium (Mo)	mg/l	APHA-3111(D)	<0.02	0.07	No Relaxation
33	Nickel (Ni)	mg/l	APHA-3111(B)	Absent	0.02	No Relaxation
34	Bromoform	mg/l	APHA-3111(B)	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-Coll	-----	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 Signatory)

Advanced Environmental Testing And Research Lab P. Ltd

CIN: U73100MP2002PTC015352

GSTIN: 23AAECA9188L178

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TEST REPORT

Company Name: Dalmia Bharat Distillery And Industries Limited, Distillery Unit- Nigohi	Date of Issue: 27/03/2024
Address: Vill- Kuiyan Po.- Areli, Shahjahanpur, UP	Monitoring Date: 19/03/2024
Nature of Sample: Effluent Sample	Sampling Done By: Sample Collection in presence of lab represented.
Lab. ref. No: AETRL/200324WW0003	
Sample Location: Raw Spent Wash	

TEST RESULT

S. No.	PARAMETER	UNIT	PROTOCOL	RESULTS
1	pH	...	APHA 4500 H+B	6.30
2	Suspended Solids(SS)	Mg/l	APHA 4500 H+B	217480
3	Total Dissolved Solids(TDS)	Mg/l	APHA-2540(C)	86560
4	Total Solid (TS)	Mg/l	APHA -2540B	304040
5	Bio-Chemical Oxygen Demand (BOD-3days at 27°C)	Mg/l	APHA 4500 (D)	2090
6	Chemical Oxygen Demand (COD)	Mg/l	APHA 4500 (B)	47745


(Authorized Signatory)

Health Surveillance Report-Period-Oct-2023 To March-2024									
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	Sr. Manager	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	Ramkishor .	Manager	7-Jan-1981	1-Apr-2021	Medical Test Report Found OK		
3	0009796	Mukesh Singh Chauhan	S/O NATTHU SINGH CHAUHAN	Asstt Manager	07-06-1980	03-08-2019	Medical Test Report Found OK		
4	10005815	Mahesh Kumar Gangwar	Beche Lal Gangwar	Warehouse Clerk	21-Mar-1987	27-May-2021	Medical Test Report Found OK		
5	400052	Ajay Kumar Sharma	S/O SURAJ PAL SHARMA	Warehouse Operator	03-08-1970	26-12-2019	Medical Test Report Found OK		
6	10006182	Ajayraj Raghuvanshi	Surendra Singh	Warehouse Operator	30-Aug-1990	1-Oct-2022	Medical Test Report Found OK		
7	1041201	Abhay Kumar Srivastava	Pramod Kumar Srivastava	Sr. Shift Chemist	2-Jul-1984	15-Mar-2023	Medical Test Report Found OK		
8	1041239	Ismrit Pandey	Virendra Kumar Pandey	Sr. Shift Chemist	11-Aug-1998	15-Mar-2023	Medical Test Report Found OK		
9	0010033	Anuj Yadav	S/O MAHESH CHAND YADAV	Shift Chemist	16-11-1995	17-10-2019	Medical Test Report Found OK		
10	0010160	Jai Bharat Singh	S/O RAM MOHAN SINGH	Shift Chemist	08-09-1991	07-12-2019	Medical Test Report Found OK		
11	0010272	Ajay Kumar Gautam	S/O LATE SHYAM LAL	shift Engineer	01-06-1982	15-01-2020	Medical Test Report Found OK		
12	400002	Bhupendra Kumar	S/O SUNDER LAL VERMA	Distillation Operator	03-07-1984	05-09-2018	Medical Test Report Found OK		
13	10005840	Anuj	Jai Beer	Distillation Operator	4-Nov-1996	14-Aug-2021	Medical Test Report Found OK		
14	10006008	Anil Kumar	Pawan Kumar	Distillation Operator	10-Dec-1993	28-Dec-2021	Medical Test Report Found OK		

Max

Dr. Rajendra Prasad
Dalmia Bharat Sugar & Industries Ltd.
Sugarcane Unit, Nigohi
Shahjhanpur (U.P.) 242 407



Sr.No	E Code	Employee Name	Father Name	Designation	Date of Birth	Date of Joining	Medical Report	Remark
15	10006080	Sanjay Kumar	Suresh Kumar	Distillation Operator	18-Jun-1990	13-Apr-2022	Medical Test Report Found OK	Examination conducted Vision, Chest, Spleen Liver, Skin, Blood Sugar, Blood Pressure, Personal Hygiene
16	10006161	Anshuman Pandey	Dev Sharma Pandey	Distillation Operator	1-Jul-1995	5-Sep-2022	Medical Test Report Found OK	
17	400004	Anuj Kumar	S/O RAM PRATAP	Fermentation Operator	30-12-1989	07-09-2018	Medical Test Report Found OK	
18	10005841	Arvind Singh Rawat	Matwar Singh	Fermentation Operator	28-Jul-1992	14-Aug-2021	Medical Test Report Found OK	
19	10006330	Jagdish Prasad	Ganesh Prasad	Fermentation Operator	22-Jul-1975	19-Dec-2022	Medical Test Report Found OK	
20	400013	Govind Singh	S/O JAIVEER SINGH	Fermentation Helper	01-11-1987	28-02-2007	Medical Test Report Found OK	
21	400007	BANWARI LAL	S/O SHRI SHIVRAM	Molasses Pumpman	10-07-1969	19-10-1994	Medical Test Report Found OK	
22	400008	RAM BHAJAN	S/O GANGU	Molasses Pumpman	11-03-1975	18-01-1995	Medical Test Report Found OK	
23	400001	Prem Pal	S/O RAM RATAN	SENIOR ELECTRICIAN	15-03-1972	20-08-2018	Medical Test Report Found OK	
24	400039	Narendra Kumar Tiwari	S/O R P TIWARI	Electrician	05-07-1980	28-11-2019	Medical Test Report Found OK	
25	400005	Dheeraj Gupta	S/O SUSHIL KUMAR GUPTA	Electrician Helper	12-07-1978	01-02-1995	Medical Test Report Found OK	
26	10005624	Indrajeet Kumar	Pramod Kumar Singh	INSTRUMENT TECHNICIAN	15-Feb-89	24-Aug-20	Medical Test Report Found OK	
27	10004636	Kamlesh Kumar	Sh.Prabhu Nath Ram	INSTRUMENT TECHNICIAN	7-Feb-1983	1-Oct-2020	Medical Test Report Found OK	
28	400026	Narendra Pal	S/O NANHE LAL	INSTRUMENT TECHNICIAN	15-03-1987	22-10-2018	Medical Test Report Found OK	
29	400015	Harindra Dwivedi	S/O SATYAPRIYA DWIVEDI	Auxiliary Operator	26-03-1968	31-10-2006	Medical Test Report Found OK	

M. M. M. M.

Dr. Nishant Gurjar
Reg. No. 65710
Dalmia Bharat Sugar and Industries Ltd.
Sugar Unit-Nigohi
Shahjhanpur (U.P.) 242 407



Sr.No	E Code	Employee Name	Father Name	Designation	Date of Birth	Date of Joining	Medical Report	Remark
30	400016	Sandeep Kumar Srivastava	S/O M.L.SRIVASTAVA	Auxiliary Operator	07-06-1982	13-08-2007	Medical Test Report Found OK	Examination conducted Vision, Chest, Spleen Liver, Skin, Blood Sugar, Blood Pressure, Personal Hygiene
31	400021	Devvrat Singh	S/O OMPRAKASH SINGH	TURBINE OPERATOR	01-04-1986	11-10-2018	Medical Test Report Found OK	
32	400022	Om Prakash Yadav	S/O RAM TAPESHWAR YADAV	TURBINE OPERATOR	04-03-1985	15-10-2018	Medical Test Report Found OK	
33	10006082	Ramesh Chandra	Itwari Lal	TURBINE OPERATOR	4-Sep-1974	29-Apr-2022	Medical Test Report Found OK	
34	400029	Ravi Kumar Vishwakarma	S/O AWADH BIHARI	BOILER ATTENDANT	17-09-1972	12-11-2018	Medical Test Report Found OK	
35	400036	Balendra Kumar	S/O SHARAJ SINGH	Senior Boiler Attendant	19-02-1982	01-11-2019	Medical Test Report Found OK	
36	400038	Upendra Kumar Gupta	S/O MEVALAL SHAH	BOILER ATTENDANT	31-01-1984	27-11-2019	Medical Test Report Found OK	
37	400054	Virendra Kumar	S/O CHARAN SINGH	CPU Operator	01-07-1987	26-12-2019	Medical Test Report Found OK	
38	10006020	Adarsh Kumar	Munendra Pal	CPU Operator	15-Jan-1988	27-Jan-2022	Medical Test Report Found OK	
39	400047	Durvish Kumar Verma	S/O SOHAN LAL VERMA	SENIOR FITTER	15-12-1967	26-12-2019	Medical Test Report Found OK	
40	400050	Ravindra Yadav	S/O RAMAKANT YADAV	FITTER	18-05-1980	26-12-2019	Medical Test Report Found OK	
41	400049	Ramashankar Kushwaha	S/O RAMDEV KUSHWAHA	WELDER	03-07-1989	26-12-2019	Medical Test Report Found OK	
42	400046	Shambhu Prasad Gupta	S/O OM PRAKASH GUPTA	FIREMAN	01-03-1976	26-12-2019	Medical Test Report Found OK	

M. Mahesh

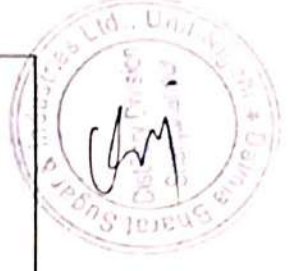
Dr. Mahesh Gurjar
Reg. No.: 55719
Dalmia Bharat Sugar And Industries Ltd.
Sugar Unit-Nigohi
Shahjhanpur (U.P.) 242 407



Health Surveillance Report-Period-Oct-2023 To March-2024

Sr.No	E Code	Employee Name	Father Name	Designation	Date of Birth	Date of Joining	Medical Report	Remark
43	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
44	10006328	Gyanendra Pratap Singh	Virendra Bahadur Singh	FIREMAN	5-Nov-1980	7-Dec-2022	Medical Test Report Found OK	
45	10006380	Vikas Aarya	Hardev Singh	Microbiologist	01-Jan-98	19-Apr-23	Medical Test Report Found OK	
46	10006388	Samarjeet Singh	Ram Briksh Yadav	CPU Operator	17-Oct-90	07-Jun-23	Medical Test Report Found OK	
47	10006389	Tarun Pamt	Damodar Pant	Fermentation Operator	15-Apr-86	14-Jun-23	Medical Test Report Found OK	
48	10006417	Pukhraj Singh		Fermentation Operator	18-Aug-84	10-Aug-23	Medical Test Report Found OK	
49	10006430	Aswani Kumar	Vijay Bahadur	Fermentation Operator	04-Jul-71	18-Aug-23	Medical Test Report Found OK	
50	10006432	Sunil Kumar	Inder Pal	EVAPORATOR OPERATOR	03-Aug-97	19-Aug-23	Medical Test Report Found OK	
51	10006438	Indra Pal	Ram Kumar	FITTER I	10-May-81	19-Sep-23	Medical Test Report Found OK	
52	10006443	Jajwalyaman Awasthi	Vigya Sharma Awasthi	Electrician	15-Jul-75	28-Sep-23	Medical Test Report Found OK	
53	10006560	Dushyant Kumar	Vinod Kumar	Distillation Operator	01-Apr-98	30-Dec-23	Medical Test Report Found OK	
54	5894	ANIL KUMAR CHAURASIA	Dinanath Chaurasia	Senior Manager	08-08-1968	30-08-2016	Medical Test Report Found OK	

Mahesh
Dr. Mahesh Gujjar
Reg. No: 55719
Dalmia Bharat Sugar And Industries Ltd.
Sugar Unit-Nigohi
Shahjhanpur (U.P.) 242 407



Dalmia Bharat Sugar & Industries Ltd. Nigohi Distillery, Shahjhanpur

Health Surveillance Report-Period-Oct-2023 To March-2024

Sr.No	E Code	Employee Name	Father Name	Designation	Date of Birth	Date of Joining	Medical Report	Remark
55	1026708	Robin Malik	Rishipal Singh	Executive	29-07-1993	20-11-2020	Medical Test Report Found OK	Examination conducted Vision, Chest, Spleen Liver, Skin, Blood Sugar, Blood Pressure, Personal Hygiene
56	1040205	Sunil Krishna Yadav	Krishna Yadav	BX_Graduate Engineer Trainee	01-05-1997	01-08-2023	Medical Test Report Found OK	
57	1040298	Anurag Kaushik	Pawan Kumar	Executive	26-12-1995	09-12-2022	Medical Test Report Found OK	
58	1041511	Subhash Chandra	Angan Lal	Shift Incharge	01-01-1983	18-04-2023	Medical Test Report Found OK	
59	1042906	Gagan Kumar Mounya	Nem Singh	BX_Graduate Engineer Trainee	16-12-1997	01-08-2023	Medical Test Report Found OK	
60	1043968	Sunil Dutt	Ramanand	Executive	10-07-1998	02-12-2023	Medical Test Report Found OK	

M. Nigohi

Gurjar

Dr. M. Nigohi

No. 12/55719

Dalmia Bharat Sugar & Industries Ltd.

Distillery

Sugar Unit-Nigohi

Shahjhanpur (U.P.) 242 407



Dalmia Bharat Sugar & Industries Ltd, Unit- Nigohi**CSR Annual Report****Financial Year -2023-24**

CSR activities undertaken in FY 2023-24 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, Livelihood Skill Development, Social Infrastructure Development. 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

1. Climate Action-**A. Water Initiative:**

The installation of an underground water pipeline aimed at improving access to irrigation water for 327 farmers in the region.

Improved Access to Irrigation Water: The initiative resulted in improved access to irrigation water, leading to increased agricultural productivity and income for farmers, thereby promoting agricultural sustainability and economic development in the region.

**B. Soil Fertility Improvement:**

Distribution of 1000 vermi beds and handover of 872 Farm Yard Manure (FYM) pits aimed at enhancing soil fertility and productivity. Each Vermi bed has capacity to produce yield manure 1 ton per annum which is applicable for 1 acer land and Capacity of one pit to produce yield is 10 metric ton which is applicable for 1 Htr land.

Enhanced Soil Fertility: The distribution of vermi beds and FYM pits led to enhanced soil fertility and productivity, resulting in improved crop yields and increased income for farmers, thereby promoting agricultural sustainability and economic growth.



2. Livelihood-

A. Gram Parivartan-

A series of livelihood trainings were conducted to empower local farmers and households, focusing on skill enhancement and capacity building in various sectors.

I. Azolla Cultivation:

Lead farmers were trained in azolla cultivation, with the aim of improving fodder availability for livestock and enhancing dairy productivity. Additionally, 250 beneficiaries were equipped with knowledge and skills in azolla cultivation.

Knowledge Empowerment: Lead farmers and beneficiaries were empowered with knowledge and skills in azolla cultivation, leading to increased fodder availability and potentially boosting dairy productivity.

Improved Livestock Nutrition: Azolla cultivation offered improved feed quality, leading to healthier livestock and increased milk production, thereby contributing to enhanced economic outcomes for dairy farmers.



II. Zari Zardozi:

Forty-two households were covered under the Zari Zardozi training program, aimed at empowering women through skill development in traditional handicrafts.

Women Empowerment: Skill development in traditional handicrafts empowered households, especially women, leading to income generation and economic independence, thus contributing to poverty alleviation and gender equality.



III. Sugarcane Farmers Training through Audio-Visual:

Training sessions were organized for 10180 Farmers from command area villages, focusing on enhancing agricultural practices among sugarcane farmers.

Improved Agricultural Practices: The training sessions facilitated the adoption of improved agricultural practices among sugarcane farmers, potentially leading to increased



yields and income, thereby contributing to agricultural sustainability and improved economic outcomes.

IV. PM Vishwakarma Scheme:

A total of 521 beneficiaries were enrolled in the PM Vishwakarma Scheme, aimed at facilitating skill development and employment generation through vocational training.

Skill Development and Employment Generation: The scheme provided opportunities for skill development and employment generation, thereby enhancing employability and contributing to economic growth at both individual and community levels.



V. Livelihood Support:

Various livelihood support initiatives were implemented, including the distribution of Azolla pits 250 nos, Swing machines 30 nos, and support for micro-enterprises 18 nos. Additionally, stalls were established under the One Station One Product Scheme, benefiting 251 womens.

Diversification of Income Sources: The distribution of various support schemes and micro-enterprises facilitated income diversification, particularly for women, leading to poverty alleviation and economic development in the community.



(Azolla cultivation)



(Sewing machine distribution)



(Key handover ceremony of E-Rickshaw)



(One Station One Product Stall)

B. Dalmia Institute of Knowledge & Skill Harnessing (DIKSHa)-



DIKSHa is an initiative of Dalmia Bharat Foundation to create mile stone in the field on livelihood & Skill Development Sector. We are running three trades in our location area known as 1. General Duty Assistant, 2. Assistant Electrician, 3. Domestic Data Entry Operator and provide off form sector training to eligible youths and support to them for getting jobs as per NSDC norms.

In the FY 2023-24 we are trained 452 youths in all the running trades and 324 trainees were placed or self employed.

For the support in self employment we are distributed 55 electrician tool kits to Assistant Electrician passout trainees.

C. Dairy Development through AI:

In the pursuit of fostering sustainable rural development and enhancing agricultural productivity, a comprehensive project was implemented in Nigohi during the financial year 2023-24. The project encompassed various interventions aimed at improving dairy development through artificial intelligence (AI), providing livelihood trainings, enhancing social infrastructure support, and organizing impactful events to empower the local community. This report provides a detailed analysis of the socio-economic impact of each intervention, highlighting the strides made towards sustainable development and economic empowerment in the region.

The implementation of AI techniques in dairy development yielded significant improvements in breeding practices and animal health management. A total of 1675 conventional AI procedures and 386 shorted AI procedures were conducted, resulting in AQ the birth of 445 calves, including 253 female calves. These interventions not only enhanced livestock productivity but also ensured the economic sustainability of dairy farming in the region. By treating 867 animals through infertility camps, the project addressed critical health concerns, thereby enhancing the overall well-being and productivity of dairy animals.



Improved Livestock Productivity: Adoption of AI techniques led to improved breeding practices, resulting in increased livestock productivity and milk yield.

Enhanced Economic Sustainability: The birth of female calves signifies future potential for milk production, ensuring economic sustainability for dairy farmers.

Animal Health Improvement: Treatment of animals addressed health concerns, leading to improved well-being and productivity, thereby enhancing the livelihoods of farmers.

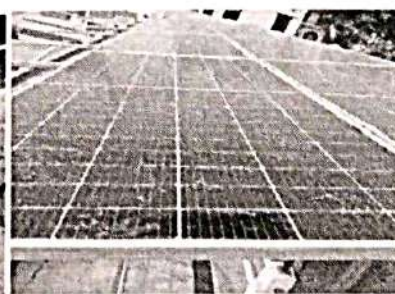
3. Social Infrastructure Support:

Installation of handpumps and solar off-grid systems-05kw aimed at improving access to basic amenities like water and electricity for 700 beneficiaries. Additionally, dual desk benches were provided to a primary school, benefiting 42 students.

A. Improved Access to Basic Amenities: The installation of handpumps and solar off-grid systems improved access to basic amenities, thereby enhancing the quality of life for beneficiaries and promoting human development and well-being. Additionally, support for education through the provision of dual desk benches contributed to the overall development of the community.



(Handpump)



(Solar Off-grid system)



(School Infrastructure)

B. Nutritional kit distribution to TB patients:

We are distributed 300 nutritional kit to 50 TB patients up to 06 months in this FY. For nutritional support of them.

Also received Nikshay Mitra award for continuous nutritional support to TB patients.



4. Photo Gallery



(Health ATM Inuguration ceremony)



(DIKSHA- Certificate distribution)



(E-rickshaw)



(Sarayan & SHG product stall inuguration)



(Flag off- Publicity van for farmers trg)



(International womens day celebration)



(Solar lamp support)



(Award- Nikshay Mitra)



(Sport kit handover ceremony)

Annexure - 04


Dalmia
Bharat Sugar

newthink! cement! sugar! refractories! power!

DBSIL/DISTILLERY/EHS/2023/S 2

11 May 2023

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

Sub: Environmental Statement 2022-23

Dear Sir,

As per Environment (Protection) Rule No.14 (Amended) of the Environment (Protection) Act 1986, the Environmental statement for the financial year 2022-23 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 and Industries Limited, Distillery Unit Nigohi
Village - Kuiyan, Post - Areli, Teshil-Tilhar, District - Shahjahanpur-242 407, Uttar Pradesh, India
t 05841-275538 f 05841-275540, w www.dalmiasugar.com, CIN : L26942TN1951PLC000640
Registered Office : Dalmiapuram, Dist. Tiruchirapalli, Tamil Nadu-621 651, India
A Dalmia Bharat Group company, www.dalmiabharat.com

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, 2023

ENVIRONMENTAL STATEMENT

For

THE FINANCIAL YEAR 2022-2023
(1st April, 2022 to 31st March, 2023)

For

Dalmia Bharat Sugar & Industries Ltd.
Distillery Unit
Village – Kulyan Post – Aroll
District - SHAHJAHANPUR (U.P.)

11.05.2023

TO WHOM IT MAY CONCERN

This is to certify that the environmental statement for the financial year 2022-23 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.


(Authorized Signatory)

CONTENTS
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Sl. No.	Particulars	Pages
1	CERTIFICATE	
2	NOTIFICATION	1-3
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5	PART 'C'	6
6	PART 'D'	7
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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.

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 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. : 11.05.2022

Part – B

Water and Raw Material Consumption

Total Water Consumption	: 268.80	KL/day
• For Process	: 181.10	KL/day
• For Cooling	: 85.20	KL/day
• For Domestic	: 2.50	KL/day

Process Water Consumption per unit product output

Name of Product	During the previous financial year (2021-22)	During the previous financial year (2022-23)
Industrial Alcohol	3.16 KL / KL of Product	2.72 KL / KL of Product

Raw Material Consumption

Name of Material	Name of Product	During the previous financial year (2021-22)	During the previous financial year (2022-23)
Molasses/Cane juice Syrup	Industrial Alcohol	3.09 T / KL of Product	3.208 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 (2021-22)	During the current financial year (2022-23)
1	From Process	Nil	Nil
2	From Pollution Control Facilities	Slop - 49400.00 MT FlyAsh -13058.58 MT	Slop - 59713.00 MT FlyAsh -7861.50 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 (2022-23)
A	Process	Nil
B	From Pollution Control Facility	
	- Fly Ash	7861.5 MT
	- Slop	59713.00 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.

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.



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	Company Name	DBSIL Nigohi, Distillery Unit
Designation पद	Deputy Executive Director	कंपनी का नाम	
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	
Location Particulars			
District	Shahjahanpur	Block	NIGOHI
Plot No./Khasra No.	92,97,254,256,257	Municipality/Corporation	N/A
Ward No./Holding No.			N/A
Particular of the Existing Well and Pumping Device			
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

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 / 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 / information furnished by the applicant in his application for issuance of this permit is found to be incorrect during verification at any subsequent stage, this permit is liable for cancellation.
-
- **SPECIFIC CONDITIONS:**
- **(A) For Industrial User:** No Objection Certificate for ground water extraction by industries shall be granted subject to the following specific conditions:
 - i) No Objection Certificate shall be granted only in such cases where local government water supply agencies are not able to supply the desired quantity of water.
 - ii) All industries shall be required to adopt latest water efficient technologies so as to reduce dependence on ground water resources.
 - iii) All industries abstracting ground water in excess of 100 m³/d shall be required to undertake annual water audit through Confederation of Indian Industries (CII)/ Federation Indian Chamber of Commerce and Industry (FICCI)/ National Productivity Council (NPC) 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 m³ /day of ground water and. Monitoring of water level shall be done by the project proponent. The piezometer (observation well) shall be constructed at a minimum distance of 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 m³ /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 EXTRACTION DETAIL (F.Y.2023-2024)	
MONTH	READING IN M3
APRIL	5613
MAY	6410
JUNE	6769
JULY	8058
AUGUST	7147
SEPTEMBER	7381
OCTOBER	5889
NOVEMBER	3080
DECEMBER	0
JANUARY	0
FEBRUARY	110
MARCH	263
TOTAL	50720



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 -Environment	B.Sc., P.G.Diploma in Enviromental Scince (NSI Kanpur)
4	Ismit Pandey	Senior Executive	B.sc, Difat
5	Subash chandra	Shift Incharge	B.sc, Difat
6	Abhay Kumar	Senior Executive	B.sc, Difat
7	Gagan maurya	Executive -Environment	B.Sc., P.G.Diploma in Enviromental Scince (NSI Kanpur)
8	Samarjeet	CPU Operatar	B.sc
9	Adarsh kumar	CPU Operatar	Diploma
10	Virendra Singh	CPU Operatar	Diploma

