

DBSIL-N /Distillery/ EC COMP. /20/ 346

27.10. 2020

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

**SUB: Compliance Report (April,2020 to September 2020) of Environmental Clearance of 60 KLD Molasses based Distillery & 2.5 MW Co- gen.**

Dear Sir,

As per stipulated condition of Environmental Clearance granted to us for 60 KLD Molasses based Distillery and 2.5 MW co-gen. dated 30.05.2018; 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. Environment Statement of FY Ending March 2020
- Annex.-4. CSR expense details in FY2018-19 & FY 2019-20

- 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:** 60 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:** April 2020, to September 2020

**Ref.:** EC Letter no. J-11011/315/2017-IA II (I) dated 30<sup>th</sup> May, 2018

S.No.	Conditions	Compliance Status
<b>Specific Conditions given in EC letter dated 30<sup>th</sup> May, 2018</b>		
(a)	Consent to 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. 16565/UPPCB/Bareilly (UPPCBRO/CTE/SHAHJAHANPUR/2018 dated 29.05.2018  Consent to Operate vide ref. No. 71749/UPPCB/Bareilly(UPPCBRO)/CTO/air/SHAHJAHANPUR/2019 & 71760/UPPCB/Bareilly(UPPCBRO)/CTO/water/SHAHJAHANPUR/2019 dated 27.02.2020. 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 <b>Zero Liquid Discharge</b> . No discharge is ensured.  Water Balance Chart sent with previous compliance report.
(c)	Necessary authorization required under the Hazardous and Other Wastes(Management and Trans-Boundary Movement)Rules,2016, Solid Waste Management Rules,2018 shall be obtained and the provisions contained in the Rules shall be strictly adhered to.	Authorization obtained ; no. 5247 dated 02.02.19, valid till 02.02.2023 Provisions of the Authorization will strictly 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 meet the prescribed norms and/or the NAAQS. The gaseous emissions shall be	Electrostatic precipitator has already been installed as Air Pollution Control Device to meet out the prescribed norms and/or the NAAQS. Height of stack is 65 meter to control the gaseous emission.  Stack emission reports attached as Annex-1



	dispersed through stack of adequate height as per CPCB/SPCB guidelines.	
(e)	Total fresh water requirement shall not exceed 360 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 obtained NOC from Central Ground Water Authority Delhi. Complied with. NOC No. CGWA/NOC/IND/ORIG/2018/3861 dated 27.07.2018 & renewal of same is under progress.
(f)	Industrial/trade effluent shall be segregated into High COD/TDS and Low COD/TDS effluent streams. High TDS/COD shall be passed through stripper followed by MEE and ATFD(Agitated thin film drier). Low TDS effluent stream shall be treated in ETP followed by RO to meet the prescribed standards.	Industrial effluent is being segregated in to high COD/TDS. High COD /TDS effluent is being concentrated through MEE & feed to Incineration Boiler as fuel and low COD/ TDS effluent evaporated from MEE is being treated through RO, to meet out the prescribed standard and use in the fermentation and cooling tower as make up water.
(g)	Process effluent/any waste water shall not be allowed to mix with storm water. The 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 discharged out side from premises.
(h)	Hazardous chemicals, if any, shall be stored in tanks, tank farms, drums, carboys etc. Flame arresters shall be provided on tank farm and the solvent transfer through pumps.	Hazardous chemical is being stored in drums and flame Arr esters are provided on tank farm and the solvent through pumps.
(i)	Process organic residue	

	and spent carbon, if any, shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	Presently no such residue has been generated. We have a contract with TSDF authorized recycler to dispose off the process organic residue.
(j)	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of Hazardous Chemicals (MSIHC) 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 and guidelines under storage of hazardous chemicals and transportation of hazardous chemical.
(k)	The company shall undertake waste minimization measures as below- (i) Metering and control of quantities of active ingredients to minimize waste (ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (iii) Use of automated filling to minimize spillage. (iv) Use of close feed system into batch reactors. (v) Venting equipment through vapour recovery system. (vi) Use of high pressure hoses for equipment cleaning to reduce waste water generation.	Complied with. <b><u>Applicable steps have been taken to minimize waste generation. As below :-</u></b>  <ol style="list-style-type: none"> <li>I. We have done metering of all required points ant control major to minimize waste.</li> <li>II. Slop obtained from MEE plant is being re used as Fuel in incineration boiler.</li> <li>III. Control measures done to minimize spillage.</li> <li>IV. We have installed close feed system in all tanks.</li> <li>V. We have installed such venting equipment.</li> <li>VI. We are using Hydro jet pumps for cleaning to Reduce waste water generation.</li> </ol>



(l)	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 plant species shall be as per the CPCB guidelines in consultation with the State Forest Department.	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 action plan mentioned below-																																			
		<table border="1"> <thead> <tr> <th>S.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>2<sup>nd</sup> year</td> <td>1500</td> <td>1.0</td> <td>5 m</td> </tr> <tr> <td>3.</td> <td>3<sup>rd</sup> year</td> <td>1500</td> <td>1.0</td> <td>5 m</td> </tr> <tr> <td>4.</td> <td>4<sup>th</sup> year</td> <td>1500</td> <td>1.0</td> <td>5 m</td> </tr> <tr> <td>5.</td> <td>5<sup>th</sup> year</td> <td>750</td> <td>0.5</td> <td>5 m</td> </tr> <tr> <td></td> <td>Total</td> <td>6750</td> <td>4.5</td> <td></td> </tr> </tbody> </table>	S.no	Planning Schedule	No. of Saplings	Area (Ha.)	Width of green belt	1.	1st year	1500	1.0	5 m	2.	2 <sup>nd</sup> year	1500	1.0	5 m	3.	3 <sup>rd</sup> year	1500	1.0	5 m	4.	4 <sup>th</sup> year	1500	1.0	5 m	5.	5 <sup>th</sup> year	750	0.5	5 m		Total	6750	4.5	
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(m)	All the commitments made regarding issues raised during the public hearing/consultation meeting shall be satisfactorily implemented.	Issues raised during the public hearing/consultation meeting are being implemented.																																			
(n)	At 2% of the total project cost shall be allocated for Corporate Environment Responsibility(CER) and item-wise details along with time bound action plan shall be prepared and submitted to the ministry's Regional Office.	<b><u>Company is implementing CSR activity through Dalmia Bharat Foundation and already planned to spend more than Rs. 30 Lakhs on various activities like water conservation, electricity conservation, soil conservation, drip irrigation, skill development, Sanitation and drinking water etc. Expenses details are enclosed herewith.</u></b>																																			
(o)	For the DG Sets, emission limits and the stack height shall be in conformity with the extant regulations and the CPCB guidelines. Acoustic enclosures shall be provided to DG set for 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 fire hazards during manufacturing process in material handling. Fire fighting system shall be	Automatic Fire hydrant system has been installed and Portable Fire Extinguishers are kept as per norms.																																			

	as per the norms.	
(q)	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational health surveillance conducted for 60 employees of unit during April,20 to September,2020 indicates that none of the individual is suffering from any infectious disease. Report attached as annex.-2
(r)	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	We have sufficient space for vehicles of raw materials and finished products inside the premises.
(s)	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	To prevent dust pollution and other fugitive emissions; 99% raw materials will be used through covered conveying system or pipelines. Small quantity are kept in locked and covered drums.
(t)	Continuous 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.	Continuous online ( 24x7 ) monitoring system for stack emission has been installed for measurement of flue gas discharge and the pollutants concentration, and the data are being transmitted to the CPCB and SPCB server. For online continuous monitoring of effluent , the unit had installed web camera with night vision capability and flow meters in the pipeline carrying effluent within the premises.
(u)	CO <sub>2</sub> generated from the process shall be bottled and sold to authorized vendors.	We are planning and exploring possibilities for the same.
<b>10.1</b>	<b>Other generic Conditions</b>	
(i)	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board(SPCB), State Government and/or any other statutory authority.	We strictly adhere to the stipulations made by U.P. Pollution control board and state Government.



(ii)	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change . 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 to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Desired approval will be taken prior to further expansion or modification.
(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 16 <sup>th</sup> November, 2009 shall be complied with.	For National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826 ( E ) dated 16 <sup>th</sup> November, 2009 are being complied with Monitoring report attache as . Annexe -1
(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	For Noise control, we have installed silence and acoustic enclosures on all sources of noise generation Maintained within limit. Reports attached as- Annexe -1

	standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75dBA(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 utilize the same for different industrial operations within the plant.	Rain water from the roof tops of the buildings is being stored in storage tank and used the same water for the process activities of the project to conserve fresh water. We have also adopted ponds for natural recharge.
(vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Pre-employment and routine periodical medical examinations for all employees shall be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied with. Periodic training to all employees on safety & health aspects is prepared & implementing under the supervision of Safety Committee. Periodical medical examination of employees is being carried out half-yearly. (Detail attached)
(viii)	The company shall comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing shall be implemented.	All the environmental protection measures and safe guards of E.I.A. /E.M.P. report are being followed accordingly.
(ix)	The company shall undertake all measures for improving socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villagers, administration and other stake holders. Also eco-developmental measures shall be undertaken for	We are running CSR activities in different near by villages, the activities include, sanitation, Education, Drinking water facilities etc. Annexe -2 (I) Solar Grid Lighting (II) Dairy Development Project (III) Animal Shelter (IV) Specialized health Camp. (V) Ponds digging in Villages. (VI) Sapling Plantation. (VII) DIKSHA Skill Development Centre.



	overall improvement of the environment.	
(x)	A separate Environmental Management Cell equipped with full- fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Environment Management cell having 4 members working accordingly and Laboratory have been setup to control Environmental parameters.
(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.	A) Provision of funds as capital cost -- Rs.- 31.00 Lakh B) Invested as capital cost Rs 6.0 Lac. C) Recurring expenditure done to implement the conditions of MoEF & State Govt. Rs. 25.0 Lac
(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 level panchayat Samiti.
(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	Compliance Report along with monitored data are being submitted accordingly.

	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 the company.	
(xiv)	The environmental statement for each financial year ending 31 <sup>st</sup> 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.	Environmental Statement for the financial year ending 31 <sup>st</sup> March,2020 is submitted on 27 <sup>th</sup> of September and copy of same is attached Annexure-3
(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 at <a href="http://moef.nic.in">http://moef.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least 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	We have already published the accordance of Environmental Clearance in local newspapers. Hindustan Times on dated 06.06.2018 and Rashtriya Sahara on dated 05.06.2018



	forwarded to the concerned Regional office of the Ministry.	



# Advanced Environmental Testing And Research Lab. Annexure-1



CIN : U73100MP2002PTC015352

GSTIN : 23AAECA9188L1Z8

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

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

Ph.: 0751 - 223 2177, 409 9916

Email. aelgwallor@gmail.com, aetri2016@gmail.com, www.aetri.com



## TEST REPORT

**Company Name:** DalmiaBharat Sugar and Industries  
Ltd.DistellaryUnit- Nigohi  
**Address:** Vill- Kuiyan Po.- Areli ,Shahjahanpur, UP  
**Nature of Sample:** Flue gas emission of Boiler  
**Location Point:** BOILER STACK  
**Stack Height:** 65.0 Mtr.  
**Type of fuel used :** Bagasse/Spent Wash  
**Height of Sampling Location:**25.0 Mtr.  
**Capacity :** 24.0 Ton  
**URL No.:** TC4705-20-0-000U1688P

**Date of Issue:**09.10.2020

**Monitoring Date :**30.09.2020


**Sampling Done By:** Sampling Staff  
**Lab. ref. No:** AETRL2020/CHEM/WW/1918  
**Diameter of Stack:**2.5Mtr.  
**Pollution Control Devices :** ESP  
**Material of Construction :**RCC

## PHYSICAL OBSERVATIONS

Ambient temperature °C : 33.0  
Flue gas temperature °C : 120.0  
Velocity of flue gas m/s : 14.16  
Sampling flow rate (LPM) : 19.28

## TEST RESULT

S.No.	Parameter	Pollutant Concentration (on the bases of 12 % CO <sub>2</sub> )	Limits
1	Particulate Matter mg/Nm <sup>3</sup>	94.02	150
2	Sulpher Dioxide (SO <sub>2</sub> ) mg/Nm <sup>3</sup>	14.05	NOT SPECIFIED
3	Oxides of Nitrogen (NO <sub>2</sub> ) mg/Nm <sup>3*</sup>	11.16	NOT SPECIFIED

  
(Authorized signature)



# Advanced Environmental Testing And Research Lab Pvt.



CIN : U73100MP2002PTC015352

GSTIN : 23AAECA9188L1Z8

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

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

Gwallor-474 011 M.P., India

Ph.: 0751 - 223 2177, 409 9916

Email. aelgwallor@gmail.com, aetri2016@gmail.com, www.aetri.com



OHSAS  
18001 : 2007

## TEST REPORT

**Company Name:** Dalmia Bharat Sugar and Industries  
Ltd. Distillery Unit- Nigohi

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

**Nature of Sample:** Noise Monitoring

**monitoring Duration :** 24 Hrs

**URL No.:** TC4705-20-0-000U1689P

**Date of Issue:** 09.10.2020

**Monitoring Date :** 30.09.2020

**Sampling Done By:** Sampling Staff

**Lab. Ref. No:**

AETRL2020/CHEM/WW/1919

## TEST RESULT

S.No.	Location	Noise Level in dB(A)	
		Day	Night
1.	Near Main Plant	70.2	66.4

## Noise Work area- Factory Act-1948

**Area Code**

**Leq**

A

**Category of area**

Industrial Area

**Limit in dB(A)**

85

## Ambient Noise Standards

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

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

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

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

(Authorized signature)

Subject to terms & Condition Overleaf

# Advanced Environmental Testing And Research Lab P. Ltd.



CIN : U73100MP2002PTC015352

GSTIN : 23AAECA9188L1Z8

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

Ph.: 0751 - 223 2177, 409 9916

Email. aelgwalior@gmail.com, aetri2016@gmail.com, www.aetri.com



## TEST REPORT

**Company Name:** Dalmia Bharat Sugar and Industries Ltd.

Distillery Unit- Nigohi

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

**Nature of Sample:** Ambient Air Monitoring

**Lab. ref. No:** AETRL2020/CHEM/WW/1914

**Sample Location:** Near Admin Block

**Sampling Duration:** 24 Hrs

URL No.: TC4705-20-0-000U1684P

**Date of Issue:**09.10.2020

**Monitoring Date :**30.09.2020

**Qty of sample:** 30ml

**Sample bottle:** Plastic packing

**Sampling Done By:** Sampling Staff

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

## TEST RESULT

S. No.	Parameters	Protocol	Unit	Result	Standards
1.	Sulphur Dioxide (SO <sub>2</sub> )	IS 5182:Part2:2001	µg/m <sup>3</sup>	12.24	80/Day
2.	Nitrogen Dioxide (NO <sub>2</sub> )	IS 5182:Part6:2006	µg/m <sup>3</sup>	10.18	80/Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg/m <sup>3</sup>	62.58	100/Day
4.	Particulate matter (less than 2.5 µm)	USEPA CFR40 (50), Appendix L	µg/m <sup>3</sup>	23.77	60/Day
5.	Ozone (O <sub>3</sub> )	IS 5182:Part9:1974	µg/m <sup>3</sup>	10.01	100/8*Hours
6.	Lead (Pb)	IS 5182:Part22:2004	µg/m <sup>3</sup>	ND	1.0/Day
7.	Carbon Mono Oxide (CO)	IS 5182:Part10:1999	mg/m <sup>3</sup>	0.20	02/8*Hours
8.	Ammonia (NH <sub>3</sub> )	APHA 401 (Indophenol)	µg/m <sup>3</sup>	6.7	400/Day
9.	Benzene (C <sub>6</sub> H <sub>6</sub> )	IS 5182:Part 11:2006	µg/m <sup>3</sup>	<0.1	05/Annual
10.	Benzo (a) Pyrene (BaP) Particulate Phase only	IS 5182:Part12:2004	µg/m <sup>3</sup>	ND*	01/Annual
11.	Arsenic (As)	IS 5182:Part22:2004	µg/m <sup>3</sup>	ND	06/Annual
12.	Nickel (Ni)	IS 5182:Part22:2004	µg/m <sup>3</sup>	0.32	20/Annual

(Authorized signature)



Annexure-2

Dalmia Bharat Sugar And Industries Ltd. Distillery Unit-Nigohi  
Distillery Division

Vill- Kuyian, Post- Arell, Shahjahanpur

Summary Report of Employee's Health Surveillance (April-2020 to September 2020)

Sr No	Allsec Code	Employee Name	Desg.	Date of Examination	Medical Report	Medical Checkup
1	10002980	Abdresh Singh	Helper	14.04.2020	Found OK	Examined for vision, hearing, blood pressure, liver & spleen
2	10004796	Prem Pal	Senior Electrician	11	Found OK	
3	10004797	Bhupendra Kumar Verma	Distillation Operator	11	Found OK	
4	10004798	Parvender Kumar	Fermentation Operator	11	Found OK	
5	10004799	Anuj Kumar	Fermentation Operator	11	Found OK	
6	10004800	Jitendra Kumar Singh	Fermentation Operator	11	Found OK	
7	10004806	Roopendra Kumar	Turbine Operator	28.04.2020	Found OK	
8	10004807	Dev Vrat Singh	Turbine Operator	11	Found OK	
9	10004808	Om Prakash Yadav	Turbine Operator	11	Found OK	
10	10004812	Narendra Pal	Instrument Technician	11	Found OK	
11	10004814	Ravi Kumar Vishwakarma	Boiler Attendant	11	Found OK	
12	10004918	Puneet Kumar	Warehouse Clerk	11	Found OK	
13	10005531	Gulbir Singh	Distillation Operator	12.05.2020	Found OK	
14	10005544	Balendra Kumar	Boiler Attendant	11	Found OK	
15	10005570	Upendra Kumar Gupta	Boiler Attendant	11	Found OK	
16	10005571	Narendra Kumar Tiwari	Electrician	11	Found OK	
17	10005573	Dharamveer Singh	Distillation Operator	11	Found OK	
18	10005580	Arun Kumar	Cpu Operator	11	Found OK	
19	10005581	Udai Pratap Singh	Microbiologist	26.05.2020	Found OK	
20	10005582	Ramesh Gaun	Evaporator Operator	11	Found OK	
21	10005583	Abhishek Kumar	Shift Incharge	11	Found OK	
22	10005595	Shambhoo Prasad Gupta	Fireman	11	Found OK	
23	10005584	Durvesh Kumar Verma	Senior Fitter	11	Found OK	
24	10005585	Ramashankar Kushwaha	Welder Cum Fitter	11	Found OK	
25	10005586	Ravindra Yadav	Fitter	11	Found OK	
26	10005596	Ram Ratan Sharma	Cpu Operator	02.06.2020	Found OK	
27	10005587	Ajay Kumar Sharma	Warehouse Operator	11	Found OK	
28	10005597	Avneet Singh	Shift Chemist	11	Found OK	
29	10005588	Virendra Kumar	Cpu Operator	11	Found OK	
30	10005589	Rakesh Kumar Jat	Evaporator Operator	11	Found OK	

Amr Singh  
26/09/2020  
26/09/2020 Singh

**Dalmia Bharat Sugar And Industries Ltd. Distillery Unit-Nigohi**  
**Distillery Division**

Vill- Kuyian, Post- Areli, Shahjahanpur

**Summary Report of Employee's Health Surveillance (April-2020 to September 2020)**

Sr No	Allsec Code	Employee Name	Desg.	Date of Examination	Medical Report	Medical Checkup
31	10005590	Phool Chand	Filter	02.06.2020	Found OK	
32	10005591	Pankaj Singh	Evaporator Operator	//	Found OK	
33	10005592	Yatish Kumar	Warehouse Operator	//	Found OK	
34	10005598	Dhananjay Kumar	Shift Incharge	//	Found OK	
35	10005616	Rahul Kumar	Shift Incharge	23.06.2020	Found OK	
36	10005617	Manmohan Singh	Shift Incharge	//	Found OK	
37	10005624	Indrajeet Kumar	Instrument Technician	//	Found OK	
38	10005630	Deepak Kumar	Electrician	//	Found OK	
39	10005636	Kamlesh Kumar	Instrument Technician	//	Found OK	
40	0008650	Narendra Singh Rawat	Manager	//	Found OK	
41	0008974	Ankit Kumar	Executive	//	Found OK	
42	0009294	Ashu Chauhan	Executive	14.07.2020	Found OK	
43	0009314	Rajneesh Kumar	Executive	//	Found OK	
44	0009767	Brij Mohan Lal	Assistant General Manager	//	Found OK	
45	0009796	Mukesh Singh Chauhan	Senior Executive	//	Found OK	
46	0010033	Anuj Yadav	BX Graduate Engineer Trainee	//	Found OK	
47	0010159	Shivam Pandey	BX Graduate Engineer Trainee	//	Found OK	
48	0010160	Jai Bharat Singh	BX Graduate Engineer Trainee	28.07.2020	Found OK	
49	0010272	Ajay Kumar Gautam	Senior Executive	//	Found OK	
50	1025981	Rajesh Satyadeo Singh	Deputy Manager	//	Found OK	
51	400005	Dheeraj Gupta	Electrician Helper	//	Found OK	
52	400007	Banwari Lal	Molasses Pumpman	//	Found OK	
53	400008	Ram Bhajan	Molasses Pumpman	//	Found OK	
54	400013	Govind Singh	Fermentation Helper	//	Found OK	
55	400015	Harindra Dwiwedi	Auxiliary Operator	//	Found OK	
56	400016	Sandeep Kumar Srivastava	Auxiliary Operator	//	Found OK	
57	400017	Sarvesh Kumar Kashyap	Auxiliary Operator	//	Found OK	
58	400018	Karuna Shankar Awasthi	Fermentation Helper	//	Found OK	

*Amrit Singh*  
**Amrit Singh**  
 201/21/2020  
 Distillery Unit-Nigohi  
 Dalmia Bharat Sugar And Industries Ltd.  
 Nigohi, Dist. Shahjahanpur (U.P.) 242 407





newthink! cement! sugar! refractories! power!

DBSIL/DIST: 232

25-09-2020

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

**Sub: Environmental Statement 2019-20**

Dear Sir,

As per Environment (Protection) Rule No.14 (Amended) of the Environment (Protection) Act 1986, the Environmental statement for the financial year 2019-20 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

*Rajendra Kumar*  
28/09/20

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

**FORM – V**  
**(See Rule-14)**

**ENVIRONMENTAL STATEMENT**

*for*

**THE FINANCIAL YEAR *ending***  
**31<sup>ST</sup> MARCH, 2020**



25.09.2020

**TO WHOM IT MAY CONCERN**

This is to certify that the environmental statement for the financial year 2019-20 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)

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

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**Government of India  
Ministry of Environment and Forest**

**NOTIFICATION**

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

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

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

Government of India  
Ministry of Environment and Forest

**NOTIFICATION**

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

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

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

14. Submission of Environment Audit Report:

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

Government of India  
Ministry of Environment and Forest

**NOTIFICATION**

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

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

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



**Part - A**

- 1 Name and address of owner/occupier of Industry Operation of Process. : Shri Kuldeep Kumar  
Dy. Executive Director  
Dalmia Bharat Sugar & Industries Ltd.  
Distillery Unit - Nigohi,  
District - SHAHJAHANPUR (U.P)
  
- 2 Industry Category : Secondary
  
- 3 Production capacity : 60 KL/day
  
- 4 Year of Establishment : 2018
  
- 5 Date of last environmental statement submitted. : 27.9.2020

## **Part – B**

### **Water and Raw Material Consumption**

Total Water Consumption	: 295.7	KL/day
• For Process	: 162.00	KL/day
• For Cooling	: 132.20	KL/day
• For Domestic	: 1.50	KL/day

### **Process Water Consumption per unit product output**

Name of Product	During the previous financial year (2018-19)	During the previous financial year (2019-20)
Industrial Alcohol	5.51 KL / KL of Product	5.58 KL / KL of Product

### **Raw Material Consumption**

Name of Material	Name of Product	During the previous financial year (2018-19)	During the previous financial year (2018-19)
Molasses	Industrial Alcohol	4.89 T / KL of Product	4.64 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.
<b>A) Water</b>			
<b>Zero Discharge</b>			
- BOD	.....	Nil.....	.....
- COD	.....	Nil.....	.....
- TSS	.....	Nil.....	.....
Effluent water which is generated through the process has been passed through Multi Effect Evaporator and CPU.			
<b>B) Air</b>			
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.			

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**Part-D**

**Hazardous Waste**

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

Sl. No.	Hazardous Wastes	During the previous financial year (2018-19)	During the current financial year (2019-20)
1	From Process	Nil	Nil
2	From Pollution Control Facilities	Nil	Slop- 55569MT Fly Ash-10687MT

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

## **Part-E**

### **Solid Wastes**

<b>Sl. No.</b>	<b>Solid Wastes</b>	<b>During the current financial year (2019-20)</b>
<b>A</b>	<b>Process</b>	<b>Nil</b>
<b>B</b>	<b>From Pollution Control Facility</b>	
	<b>- Fly Ash</b>	<b>10687MT</b>
	<b>- Slope</b>	<b>55569MT</b>
<b>C</b>	<b>1) Quantity Recycled or re-utilized within the Unit</b>	<b>All</b>
	<b>2) Sold Sludge</b>	<b>All (utilized as manure / soil conditioner)</b>
	<b>3) Disposed Fly Ash</b>	<b>Disposed and given to farmers as manure</b>
	<b>4) Sludge</b>	<b>Sludge is disposed / given to farmers / cane growers .</b>
<b>Effluent water which is generated through the process has been passed through CPU &amp; RO, Multi Effect Evaporator. It assures the zero discharge.</b>		

## **Part-F**

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

**1. Fly Ash:**

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

**2. Sludge:**

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



## **Part-G**

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

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

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

## **Part-H**

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

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

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

The Industry has installed capacity of production of 60 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.



Annexure-4

इकाई के सी.एस.आर. से सम्बन्धित विवरण

1- इकाई / कम्पनी का नाम व पता- जालमिया भारत फाउण्डेशन

जालमिया सुगर एण्ड इण्डस्ट्रीज लि०, यूनिट - निगोही, शाहजहांपुर, उ०प्र०

2- इकाई / कम्पनी के सम्पर्क व्यक्ति का नाम / पद नाम व मोबाइल नम्बर-

श्री कुलदीप कुमार, यूनिट हेड  
जालमिया सुगर एण्ड इण्डस्ट्रीज लि०  
यूनिट - निगोही, शाहजहांपुर, उ०प्र०  
मो० न०- 97922 02020

3- इकाई / कम्पनी द्वारा सी.एस.आर. के अन्तर्गत प्राविधानित धनराशि-

क० सं०	वित्तीय वर्ष	वित्तीय वर्ष में सी.एस.आर. के अन्तर्गत प्राविधानित धनराशि (रु० में)
1	वर्ष 2018-19	रु० 25,85,002/-
2	वर्ष 2019-20	रु० 65,68,738/-

4- इकाई / कम्पनी द्वारा सी.एस.आर. के अन्तर्गत कराए गए कार्यों के सम्बन्ध में विवरण-

क० सं०	वित्तीय वर्ष 2018-19	वित्तीय वर्ष में कराए गए कार्यों का विवरण	वित्तीय वर्ष में कराए गए कार्यों की धनराशि (रु० में)	कार्यस्थल
1	2	3	4	5
1	मृदा और जल संरक्षण	टपकन सिंचाई, 25 किसानों के साथ।	2,82,000	ग्राम-दकिया तिवारी, ब्लॉक-निगोही, जनपद-शाहजहांपुर
2	उर्जा संरक्षण	स्वच्छ खाना पकाने की उर्जा तक पहुँच प्रदान करना।	14,400	ग्राम- कुदिरना
3	उर्जा संरक्षण	मिनी ग्रिड परियोजना।	3,30,528	ग्राम-बिछौली



4	आजीविका और कौशल विकास	डेयरी विकास परियोजना।	5,71,469	14 ग्राम
5	सामाजिक विकास	आरओ प्लाट सिस्टम बोरोल / हैमराम	6,52,975	11 ग्राम
6	सामाजिक विकास	सम्पूर्ण स्वच्छता	1,73,254	15 ग्राम
7	सामाजिक विकास	राष्ट्रीय और अंतरराष्ट्रीय दिनों का आयोजन — 6	27,858	6 ग्राम पंचायत व स्कूल स्तर पर
8	सामाजिक विकास	स्वास्थ्य शिविर — 4	45,349	4 ग्रामों में
9	सामाजिक विकास	वर्मी कम्पोस्ट यूनिट	1,46,500	केन एरिया के लगभग 100 ग्रामों में
10	इकाई आकस्मिता परियोजना क्रियान्वयन लागत	रुरल इन्फ्रास्ट्रक्चर कार्य पेशेवर शुल्क, स्टेशनरी और संचार, गांव के स्वयं सेवक इत्यादि।	71,000 2,69,679	
	कुल योग		25,85,002	

इकाई / कम्पनी द्वारा सी.एस.आर. के अन्तर्गत कराए जा रहे कार्यों का विवरण—

क	वित्तीय वर्ष	वित्तीय वर्ष में कराए गए/कराए जाने वाले कार्यों का विवरण	वित्तीय वर्ष में कराए गए/कराए जाने वाले कार्यों की धनराशि (₹0 में)	कार्यस्थल
0	2019-20			
0				
1	2	3	4	5
2	मृदा और जल संरक्षण	तालाबों का सौन्दरीकरण	13,14,455	6 ग्रामों में — ठकिया तिवारी, महमदपुर 1 एवं 2, गिरगिया, उत्तारा दुर्जनपुर 1 व 2



3	मृदा और जल संरक्षण	वर्मी कम्पोस्ट, फार्म गार्ड मेन्चूर, गौशाला केन्द्र	7,86,320	कैन एरिया के लगभग 150 ग्रामों में
4	ऊर्जा संरक्षण	मिनी सोलर ग्रीड परियोजना	17,269	ग्राम - विर्जोली
5	आजीविका और कौशल विकास	डेयरी विकास परियोजना।	6,89,092	14 ग्रामों में
6	रूरल इन्फ्रास्ट्रक्चर	गौ-संरक्षण केन्द्र	4,02,890	ग्राम- सिमरा औरन
7	आजीविका और कौशल विकास	दीक्षा (डालमिया इन्स्टीट्यूट आफ नॉलेज एण्ड रिकल हारनेसिंग) कौशल विकास केन्द्र की स्थापना व संचालन	26,42,353	जलाल नगर बजरिया, बाहर चुंगी, निगोही रोड, शहजहापुर
8	सामाजिक विकास	स्वास्थ्य शिविर — 4	31,442	3 ग्रामों में- कुदिरना, टकिया तिवारी व महमदपुर
9	सामाजिक विकास	राष्ट्रीय और अंतर्राष्ट्रीय स्कूल के दिनों का आयोजन — 6	44,560	6 ग्रामों में
10	सामाजिक विकास	कम्बल वितरण	5,100	उदाया दुर्जन पुर
	सामाजिक विकास	पौधरोपण	12,430	5 तालाबों के किनारे
11	परियोजना क्रियान्वयन लागत	पेशेवर शुल्क, स्टेशनरी और संचार, गांव के स्वयं सेवक इत्यादि।	6,22,827	
	कुल लागत		65,68,738	

