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**Dalmia**  
Bharat Sugar

nawthinki

DBSIL-N /Distillery/ EC COMP. /20/ 2217

15<sup>th</sup> Jan. ,2020

The Chief Conservator of Forests ( 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 2019 to September 2019) 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. CSR activities- Photo graph attached: (I) World Env. day Celebration, (II) Health Camp. Etc.  
Annex.- 3. Environmental Statement (2018-19)

- 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 2019, to September 2019

**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. 33337/UPPCB/Bareilly(UPPCBRO)/CTO/air/SHAHJAHANPUR/2018 & 33341/UPPCB/Bareilly(UPPCBRO)/CTO/water/SHAHJAHANPUR/2018 dated 06.11.2018. 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 dispersed through stack	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

	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
(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 discharge 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,	Presently no such residue has been generated. However,

	shall be sent to cement industries. ETP sludge, process inorganic & evaporation salt shall be disposed off to the TSDF.	in process to have a contract with TSDF authorized recycles to disposed 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 have 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>  I. We have done metering of all required points ant control major to minimize waste. II. Slop obtained from MEE plant is being re use as Fuel in incineration boiler. III. Control measures done to minimize spillage. IV. We had installed close feed system in all tanks. V. We had installed such venting equipment. VI. We are using Hydro jet pumps for cleaning to Reduce waste water generation.

(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" data-bbox="679 450 1398 846"> <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. Few photographs Details already provided in previous compliance.</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 installation 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 37 members of unit up to September 2019 clearly indicates that none of the individual is suffering from Any infectious disease.
(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 are strictly adhering 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 use the same water for the process activities of the project to conserve fresh water. We have also adapted 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.
(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) World Environment Day Celebration in Village - Kudinna. on 5 <sup>th</sup> June 2019. (II) Independence Day Celebration in Village - Hasaua. In 15 <sup>th</sup> August 2019. (III) Health Camp.in Village Hasaua. In 03.08.2019.



	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.	<p>A) Provision of funds as capital cost -- Rs.- 31.00 Lakh</p> <p>B) Invested as capital cost Rs 6. 0 Lac.</p> <p>C) Recurring expenditure done to implement the conditions of MoEF &amp; State Govt. Rs. 25.0 Lac</p>
(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, 2019, has been submitted . Copy attached . Annexe -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.	

Signature & Seal

*K. K. K. K.*



*[Handwritten signature]*