

Name of Project: 60 KLPD Distillery Unit by M/s Dalmia Chini Mills Nigohi – Distillery Division at Village Kuiyan, Post-Areli, Tehsil-Tilhar, District Shahjahanpur in Uttar Pradesh.

Project Proponent: Dalmia Chini Mills Nigohi, Distillery Division (A Unit of Dalmia Bharat Sugar and Industries Limited)

Period of Compliance: Oct, 2018 to March, 2019

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

S.No.	Conditions	Compliance Status
Specific Conditions given in EC letter dated 30th May, 2018		
(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/U PPCB/Bareilly (UPPCBRO)/CTE/SHAHJAHANPUR/2018 dated 29.05.2018 Consent to Operate vide ref. No. 33337/U PPCB/Bareilly(U PPCBRO)/CTO/air/SHAHJAHANPUR/2018 & 33341/U PPCB/Bareilly(U PPCBRO)/CTO/water/SHAHJAHANPUR/2018 dated 06.11.2018. have been obtained from U PPCB.
(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 . No discharge is ensured. Water balance chart attached.
(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 attached as Annexure- 1 . 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 Annexure- 2 .

	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. 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 into high COD/TDS and low 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 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 arresters 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. However, in process to have a contract with TSDF authorized recyclers to disposed off the process organic residue.
(j)	The company shall strictly comply with the rules and guidelines under Manufacture, Storage and import of	We have strictly comply the rules and guidelines under storage of hazardous chemicals and transportation of hazardous chemical.

	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.	
(k)	<p>The company shall undertake waste minimization measures as below-</p> <p>(i) Metering and control of quantities of active ingredients to minimize waste</p> <p>(ii) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</p> <p>(iii) Use of automated filling to minimize spillage.</p> <p>(iv) Use of close feed system into batch reactors.</p> <p>(v) Venting equipment through vapour recovery system.</p> <p>(vi) Use of high pressure hoses for equipment cleaning to reduce waste water generation.</p>	<p>Complied with.</p> <p><u>Applicable steps have been taken to minimize waste generation as below:-</u></p> <ol style="list-style-type: none"> I. We have done metering of all required points and 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 pump 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"> <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>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>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 nd year	1500	1.0	5 m	3.	3 rd year	1500	1.0	5 m	4.	4 th year	1500	1.0	5 m	5.	5 th year	750	0.5	5 m		Total	6750	4.5	
S.no	Planning Schedule	No. of Saplings	Area (Ha.)	Width of green belt																																	
1.	1st year	1500	1.0	5 m																																	
2.	2 nd year	1500	1.0	5 m																																	
3.	3 rd year	1500	1.0	5 m																																	
4.	4 th year	1500	1.0	5 m																																	
5.	5 th year	750	0.5	5 m																																	
	Total	6750	4.5																																		
(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.	<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 attached as Annexure-3</u>																																			
(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 as per the norms.	Automatic Fire hydrant system has been installed and Portable Fire Extinguishers are kept as per norms.																																			
(q)	Occupational health surveillance of the workers shall	Occupational health surveillance conducted for 37 members of unit up to March 2019 clearly																																			

	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.	
(iii)	The locations of ambient air quality monitoring stations shall be decided in consultation with the State Pollution Control Board (SPCB) and it shall be ensured that at least one station each is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Ambient air quality monitoring stations have already been set up to monitor ambient air quality. We have conducted Advanced Environmental 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 th November, 2009 shall be complied with.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 are being complied with. Monitoring reports attached - Annexure- 2.
(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 silencers and acoustic enclosures on all sources of noise generation Maintained within limit. Reports attached as - Annexure- 2.
(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

	be done on a regular basis and records maintained as per the Factories Act.	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 emissions 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 ₂ generated from the process shall be bottled and sold to authorized vendors.	We are planning and exploring possibilities for the same.
10.1	Other generic Conditions	
(i)	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and/or any other statutory authority.	We 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	Desired approval will be taken prior to further expansion or modification.

(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 annually.
(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 overall improvement of the environment.	We are running CSR activities in different near by villages, the activities include sanitation, Education, Drinking water facilities etc.
(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	a) Provision of funds as capital cost--Rs.- 31.00 Lakh b) Invested as capital cost Rs 6.0Lac c) Recurring expenditure done to implement the conditions of MOEF & State Govt. Till 31.03.2019 Rs. 25.0 Lac

	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, 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 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.	Compliance Report along with monitored data are being submitted accordingly.
(xiv)	The environmental statement for each financial year ending 31 st 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	Environmental Statement for the financial year ending 31 st March, 2019, has been submitted.

	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 at http://moef.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.	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





U.P. Pollution Control Board

CONSENT ORDER

**Ref No. -
33337/UPPCB/Bareilly(UPPCBRO)/CTO/air/SHAHJAHANPUR
/2018**

Dated : 06/11/2018

To ,

Shri KULDEEP KUMAR

M/s M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION

M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION (A UNIT OF DALMIA BHARAT SUGAR AND INDUSTRIES LTD.), VILL.-KUIYAN, PO-ARELI, TAHSIL.-TILHAR, DISTT-SHAHJAHANPUR, SHAHJAHANPUR, 242407

SHAHJAHANPUR

Sub : Consent under section 21/22 of the Air (Prevention and control of Pollution) Act, 1981 (as amended) to M/s. M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION

Reference Application No. 3149865

Dated : 06/11/2018

1. With reference to the application for consent for emission of air pollutants from the plant of M/s M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION. under Air Act 1981. It is being authorised for said emissions, as per the standards, in environment, by the Board as per enclosed conditions .
2. This consent is valid for the period from 29/10/2018 to 31/12/2019 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 21 (6) of the Air (Prevention and Control of Pollution) Act, 1981 as amended.
This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Chief Environment Officer

**Enclosed : As above
(condition of consent):**

Copy to: Regional Officer UPPCB Bareilly for information and to ensure the compliance of the conditions imposed in the consent order.

Chief Environment Officer

U.P. Pollution Control Board

Dated : 06/11/2018

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of 60 KLD (Ethanol, Extra Neutral Alcohol and Impure Alcohol) and 2.5 MW Co-generation Power Plant.
- 2(a). The maximum rate of emission of flue gas should not be more than the emission norms for the stacks.

Air Pollution Source Details					
S.No	Air Pollution Source	Type of Fuel	Stack No.	Parameters	Height
1	boiler 24 TPH	Slop and baggase	1	Particulate Matter	ESP as APCS and stack height of 65 meter from ground level
2	DG set 1000 KVA	diesel	2	Particulate Matter	as per standards stipulated in E(P)Rules 1986

- 2(b). The emissions by various stacks into the environment should be as per the norms of the Board .

Emission Quality Details Detail			
S.No	Stack No	Parameter	Standard
1	1	Particulate Matter	As per Rule 59 of E(P)Rules 1986
2	2	Particulate Matter	as per standards stipulated in E(P)Rules 1986

3. Quantity of other pollutants should also be as per the norms prescribed by the Board/MOEF & CC/or otherwise mandatory .
4. The equipment for air pollution control system and monitoring ,as proposed by the industry and approved by the Board should be installed in their premises itself .
5. The modification or installation in the existing pollution control equipments should be done only by prior approval of Board .
6. The operation of air pollution control system and maintenance be done in such a way that the quantity of pollutants should be in accordance with the standards prescribed by the Board/MoEF & CC/or otherwise mandatory .
7. Unit should do provisions for fugitive emissions chimney/stack as per the norms of the Board/MOEF & CC/or otherwise mandatory .
8. The unit should submit the stack emissions monitoring report within one month from issuance of consent order along with the point wise compliance report of the consent order . Further quarterly monitoring report should be submitted .

Specific Conditions:

- 1.This consent is valid for molasses-based distillery 60 KLD (Ethanol, Extra Neutral Alcohol, Rectified Spirit and Impure Alcohol) and 2.5 MW Co-generation Power Plant. Operation of the unit shall be 330 days in a year.
- 2.Unit shall ensure compliance of the conditions of Environmental Clearance issued vide letter dated 30.5.2018 of MoEF&CC, Government of India.
- 3.Unit shall ensure compliance of the conditions of Consent to Establish, issued by UPPCB, vide letter dated 29.5.2018.
- 4.Spent wash shall be concentrated in MEE and used as fuel in 24 TPH capacity Boiler equipped with ESP as Air Pollution Control System and stack height of 65 meters from GL. There shall be no discharge of treated/untreated waste water from the unit, thus ensuring zero liquid discharge.
- 5.Unit shall ensure regular operation of web camera with night vision capability and flow meters in the channel /drain carrying effluent within premises.
- 6.Unit shall maintain and operate Air pollution control system i. e. ESP regularly and ensure that stack emissions are within the prescribed norms.
- 7.Unit shall ensure regular operation of 24x7 Continuous online monitoring system for stack emissions and data be transmitted to CPCB and UPPCB server.
- 8.Unit shall ensure that ambient air quality of nearby areas is not adversely affected due to operation and emissions of the unit.
- 9.D.G set of 1000 KVA capacity shall only be used with acoustic enclosure and adequate stack height as per the norms of Environment (Protection) Act,1986.
- 10.Unit shall use concentrated spent wash :press mud ratio of 1:1 and shall provide documentary proof support for procurement/ availability of press mud, sale of compost and compost quality on monthly basis by 10th of every month to CPCB and UPPCB.
- 11.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.
- 12.Unit shall provide arrangements for odor control and to control the mosquitoes in the bio compost yard.
- 13.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 conform to the standards under the Environment (Protection) Act 1986.
- 14.Unit shall ensure compliance of the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016.
- 15.Unit shall comply the provisions of Air (Prevention and Control of Pollution) Act 1981 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.
- 16.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

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

Chief Environment Officer



U.P. Pollution Control Board

CONSENT ORDER

**Ref No. -
33341/UPPCB/Bareilly(UPPCBRO)/CTO/water/S
HAHJAHANPUR /2018**

Dated : 06/11/2018

To ,

Shri KULDEEP KUMAR

M/s M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION

M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION (A UNIT OF DALMIA
BHARAT SUGAR AND INDUSTRIES LTD.), VILL.-KUIYAN, PO-ARELI, TAHSIL.-TILHAR, DISTT-
SHAHJAHANPUR,SHAHJAHANPUR,242407

SHAHJAHANPUR

**Sub : Consent under Section 25/26 of The Water (Prevention and control of Pollution) Act, 1974
(as amended) for discharge of effluent to M/s. M/s DALMIA CHINI MILLS, NIGOHI-
DISTILLERY DIVISION**

Reference Application No :3150295

Dated :06/11/2018

1. For disposal of effluent into water body or drain or land under The Water (Prevention and control of Pollution) Act,1974 as amended (here in after referred as the act) M/s. M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION is hereby authorized by the board for discharge of their industrial effluent generated through ETP for irrigation/river through drain and disposal of domestic effluent through septic tank/soak pit subject to general and special conditions mentioned in the annexure ,in refrence to their foresaid application .
2. This consent is valid for the period from 29/10/2018 to 31/12/2019 .
3. In spite of the conditions and provisions mentioned in this consent order UP Pollution Control Board reserves its right and powers to reconsider/amend any or all conditions under section 27(2) of the Water (Prevention and Control of Pollution) Act, 1974 as amended .

This consent is being issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board

Chief Environment Officer

**Enclosed : As above
(condition of consent):**

Copy to: Regional Officer UPPCB Bareilly for information and to ensure the compliance of the conditions imposed in the consent order.

Chief Environment Officer

U.P. POLLUTION CONTROL BOARD, LUCKNOW

Annexure to Consent issued to M/s.M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION vide

Consent Order No. 3150295/ Water

Dated : 06/11/2018

CONDITIONS OF CONSENT

1. This consent is valid only for the approved production capacity of molasses based distillery and the production of 60 KLD (Etahnol, Extra Neutral Alcohol and Impure Alcohol) and 2.5 MW Co-generation Power Plant.

2. The quantity of maximum daily effluent discharge should not be more than the following :

Effluent Discharge Details			
S.No	Kind of Effulant	Maximum daily discharge,KL/day	Treatment facility and discharge point
1	Domestic	10 KLD	Septic Tank
2	Industrial	360 KLD (ZLD)	ETP

3. Arrangement should be made for collection of water used in process and domestic effluent separately in closed water supply system. The treated domestic and industrial effluent if discharged outside the premises, if meets at the end of final discharge point, arrangement should be made for measurement of effluent and for collecting its sample. Except the effluent informed in the application for consent no other effluent should enter in the said arrangements for collection of effluent. It should also be ensured that domestic effluent should not be discharged in storm water drain .

4 a. The domestic effluent should be treated in treatment plant so that the should be in conformity with the following norms dated treated effluent .

Domestic Effulant		
S.No	Parameter	Standard
1	Total Suspended Solids	100 mg/l
2	BOD	30 mg/l
3	COD	250mg/l
4	Oil & Grease	10mg/l
5	Quantity of Discharge	10 KLD

4 b. The industrial effluent should be treated in treatment plant so that the treated effluent should be in conformity with the following norms. .

Industrial Effulant		
S.No	Parameter	Standard
1	Quantity of Discharge	ZLD

5 . Effluent generated in all the processes, bleed water, cooling effluent and the effluent generated from washing of floor and equipments etc should be treated before its disposal with treated industrial effluent so that it should be according to the norms prescribed under The Environment (Protection) Act,1986 or otherwise mandatory .

6 . The other pollutant for which norms have not been prescribed, the same should not be more than the norms prescribed for the water used in manufacturing process of the industry .

7 . The method for collecting industrial and domestic effluent and its analysis should be as per legal Indian standards and its subsequent amendments/standards prescribed under The Environment (Protection) Act, 1986.

8 . The treated domestic and industrial effluent be mixed (as per the provisions of Condition No. 2) and disposed of on one disposal point. This common effluent disposal point should have arrangement for flow meter/V Notch for measuring effluent and its log book be maintained .

Specific Conditions:

1. This consent is valid for molasses-based distillery 60 KLD (Ethanol, Extra Neutral Alcohol, Rectified Spirit and Impure Alcohol) and 2.5 MW Co-generation Power Plant. Operation of the unit shall be 330 days in a year.
2. Unit shall ensure compliance of the conditions of Environmental Clearance issued vide letter dated 30.5.2018 of MoEF&CC, Government of India.
3. Unit shall ensure compliance of the conditions of Consent to Establish, issued by UPPCB, vide letter dated 29.5.2018.
4. Spent wash shall be concentrated in MEE and used as fuel in Boiler. Total effluent 1051 KLD shall be treated in the Condensate Polishing Unit, Reverse Osmosis Plant and shall be used in process. There shall be no discharge of treated/untreated waste water from the unit, thus ensuring zero liquid discharge.
5. Filtered sludge shall be mixed with press mud for bio composting.
6. Total fresh water requirement to be met from ground water shall not exceed 360 cubic meter per day.
7. Unit shall ensure regular operation of web camera with night vision capability and flow meters in the channel /drain carrying effluent within premises.
8. Spent wash shall be stored in impervious RCC lagoons with proper lining with HDPE and shall be kept in proper condition to prevent ground water pollution. The storage of spent wash shall not exceed 30 days capacity.
9. Domestic sewage shall be discharged through STP.
10. 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.
11. Unit shall use concentrated spent wash :press mud ratio of 1:1 and shall provide documentary proof support for procurement/ availability of press mud, sale of compost and compost quality on monthly basis by 10th of every month to CPCB and UPPCB.
12. 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.
13. Unit shall provide arrangements for odor control and to control the mosquitoes in the bio compost yard.
14. Process effluent / any waste water shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.
15. Unit shall comply to the conditions imposed in the NOC of CGWA for ground water extraction.
16. 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 conform to the standards under the Environment (Protection) Act 1986.
17. Unit shall ensure compliance of the provisions of Hazardous and Other Waste (Management and Transboundary Movement) Rules 2016.
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.

Issued with the permission of competent authority .

For and on behalf of U.P. Pollution Control Board .

Chief Environment Officer



UTTAR PRADESH POLLUTION CONTROL BOARD

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

Ref. No : 5247/UPPCB/Bareilly(UPPCBRO)/HWM/SHAHJAHANPUR /2018 Dated: 02/02/2019

To,

M/s DALMIA CHINI MILLS NIGOHI DISTILLERY DIVISION

M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION (A UNIT OF DALMIA BHARAT SUGAR AND INDUSTRIES LTD.), VILL.-KUIYAN, PO-ARELI, TAHSIL.-TILHAR, DISTT-SHAHJAHANPUR, SHAHJAHANPUR, 242407

Tehsil : Jalalabad

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 5247 and 02/02/2019 .
2. Reference of application (No. and date) 3273468 and 05/10/2018 .
3. Mr KULDEEP KUMAR of M/s DALMIA CHINI MILLS 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 M/s DALMIA CHINI MILLS, NIGOHI-DISTILLERY DIVISION .

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 1- cat-5.1(Used Oil)	TSDF/ Authorized recyclers	1KL?Annum

1. The authorization shall be valid for a period of 02/02/2023 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 .
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 .

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.

4- Waste oil shall be disposed through authorized TSDF and recyclers only.

(**Authorized Signatory**)

UTTAR PRADESH POLLUTION CONTROL BOARD

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

CEO/EE, I/C Circle _____



CIN: U73100MP2002PTCO15352

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

Regional Office: BMS Business Center, 10 PVR Plaza Complexes Connaught Circus,
New Delhi-110 001, India

☎011-4151 3601, 3606 Fax: 011-2331 0093

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

Gwalior-474 011, M.P., India

☎0751-223 2177, 4099916

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



TEST REPORT

Company Name: DalmiaChini Mills Distillery Unit- Nigohi

Address: VIII- Kuiran 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.TC7405-19-0-0000U135P

Date of Issue:31/01/2019

Monitoring Date :25/01/2019

URL NO.:TC4705-19-0-0000U657P

Sampling Done By: Sampling Staff

Lab. ref. No: AETRL2019/CHEM/ST/S65

Diameter of Stack:2.5 Mtr.

Pollution Control Devices : ESP

Material of Construction :RCC

PHYSICAL OBSERVATIONS

Ambient temperature °C : 19.0
Flue gas temperature °C : 153.0
Velocity of flue gas m/s : 12.4
Sampling flow rate (LPM) : 16.09

TEST RESULT

S.No.	Parameter	Pollutant Concentration (on the bases of 12 % CO ₂)	Limits
1	Particulate Matter mg/Nm ³	87.26	150
2	Sulpher Dioxide (SO ₂) mg/Nm ³	16.26	NOT SPECIFIED
3	Oxides of Nitrogen (NO ₂) mg/Nm ³	11.16	NOT SPECIFIED

(Authorized Signatory)



CIN: U73100MP2002PTC015352

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

Regional Office: BMS Business Center, 10 PVR Plaza Complexes Connaught Circus,

New Delhi-110 001, India

☎ 011-4151 3601, 3606 Fax: 011-2331 0093

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

Gwalior-474 011, M.P., India

☎ 0751-223 2177, 409 9916

Email: aetgwalior@gmail.com, aetrcenter@gmail.com, www.aetrl.com



OHSAS
18001:2007

TEST REPORT

Company Name: Dalmia Chini Mills
Distillery Unit- Nigohi
Address: Vill- Kuyyan Po.- Areli, Shahjahanpur, UP
Nature of Sample: Ambient Air Monitoring
Lab. ref. No: AETRL2019/CHEM/AA/0353
Sample Location: Near Admin
Sampling Duration: 24 Hrs

Date of Issue: 31/01/2019

Monitoring Date : 25/01/2019

Qty of sample: 30ml

Sample bottle: Plastic packing

Sampling Done By: Sampling Staff

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

URL NO. TC7405-19-0-0000U136P

TEST RESULT

S. No.	Parameters	Protocol	Unit	Result	Standards
1.	Sulphur Dioxide (SO ₂)	IS 5182:Part2:2001	µg/m ³	12.36	80 / Day
2.	Nitrogen Dioxide (NO ₂)	IS 5182:Part6:2006	µg / m ³	18.26	80 / Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg / m ³	65.26	100 / Day
4.	Particulate matter (less than 2.5 µm)	USEPA CFR40 (50), Appendix L	µg / m ³	29.26	60 / Day
5.	Ozone (O ₃) *	IS 5182:Part9:1974	µg / m ³	13.26	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	0.19	02 / 8*Hours
8.	Ammonia (NH ₃) *	APHA 401 (Indophenol)	µg / m ³	18.26	400 / Day
9.	Benzene (C ₆ H ₆) *	IS 5182:Part 11:2006	µg / m ³	<0.1	05 Annual
10.	Benzo (a) Pyrene (BaP) Particulate Phase only*	IS 5182:Part12:2004	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	0.36	20 Annual





CIN: U73100MP2002PTC015352
 Approved: by Ministry of Environment, Forest and Climate Change (MoEF&CC)
 Regional Office: BMS Business Center, 10 PVR Plaza Complexes Connaught
 Circus,
 New Delhi-110 001, India
 ☎ 011-4151 3601, 3606 Fax: 011-2331 0093
 Registered Office: 63/1, Kailash Vihar, Near Income Tax Office, City Center-II
 Gwalior-474 011, M.P., India
 ☎ 0751-223 2177, 409 9916
 Email: aetgwalior@gmail.com, aetrlcenter@gmail.com, www.aetrl.com



OHSAS
18001:2007

TEST REPORT

Company Name: Dalmia Chini Mills
 Distillery Unit- Nigohi
Address: Vill- Kuiyan Po.- Areli ,Shahjahanpur, UP
Nature of Sample: Ambient Air Monitoring
Lab. ref. No: AETRL2019/CHEM/AA/0354
Sample Location: Near Fermentation Unit
Sampling Duration: 24 Hrs

Date of Issue: 31/01/2019

Monitoring Date : 25/01/2019

Qty of sample: 30ml

Sample bottle: Plastic packing

Sampling Done By: Sampling Staff

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

URL NO. TC7405-19-0-0000U137P

TEST RESULT

S. No.	Parameters	Protocol	Unit	Result	Standards
1.	Sulphur Dioxide (SO ₂)	IS 5182:Part2:2001	µg/m ³	15.26	80/Day
2.	Nitrogen Dioxide (NO ₂)	IS 5182:Part6:2006	µg/m ³	18.26	80/Day
3.	Particulate matter (less than 10 µm)	IS 5182:Part23:2006	µg/m ³	69.26	100/Day
4.	Particulate matter (less than 2.5 µm)	USEPA CFR40 (50), Appendix L	µg/m ³	30.26	60/Day
5.	Ozone (O ₃) *	IS 5182:Part9:1974	µg/m ³	7.9	100/8Hours
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	0.14	02/8*Hours
8.	Ammonia (NH ₃) *	APHA 401 (Indophenol)	µg/m ³	15.64	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	0.29	20/Annual



Advanced Environmental Testing And Research Lab P. Ltd.



CIN: U73100MP2002PTC015352

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

Regional Office: BMS Business Center, 10 PVR Plaza Complexes Connaught Circus,

New Delhi-110 001, India

☎ 011-4151 3601, 3606 Fax: 011-2331 0093

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

Gwalior-474 011, M.P., India

☎ 0751-223 2177, 409 9916

Email: aetlgwalior@gmail.com, aetrlcenter@gmail.com, www.aetrl.com



OHSAS
18001:2007

TEST REPORT

Company Name: Dalmia Chini Mills Distillery Unit- Nigohi	Date of Issue: 31/01/2019
Address: Vill- Kuiyan Po.- Areli ,Shahjahanpur, UP	Monitoring Date : 25/01/2019
Nature of Sample: Noise Monitoring	Sampling Done By: Sampling Staff
monitoring Duration : 24 Hrs	Lab. ref. No: AETRL/2019/CHEM/N/0408
URL NO.:TC7405-19-0-0000U191P	

TEST RESULT

S.No.	Location	Noise Level in dB(A)	
		Day	Night
1.	Near Distillation Unit	65.7	62.1
2.	Near Fermentation Unit	66.4	60.5

Noise Work area- Factory Act-1948

Area Code Leq	Category of area	Limit in dB (A)
A	Industrial Area	85

Ambient Noise Standards

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

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

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

Day and Night time shall mean from 6.00 a.m. to 10.00 p.m. and 10.00 p.m. to 6.00 a.m. respectively

(Authorized signature)