

DBSIL/ MOEF & CC- EC Comp. / 8407/ 2023-24

Date 19. 12.2023

To,
The Regional Officer (West Central Zone),
Ministry of Environment Forest & Climate Change,
New Secretariat Building,
Nagpur-440001.

Sub. : Point wise Compliance report for Environment Clearances for the period from
1st April 2023 to 30th September 2023 reg.

Ref : 1. EC vide letter No. J -11011/277/2013-IA II (I) dated 04th February, 2015.
2. EC vide letter No. J -11011/305/2016-IA II (I) dated 10th August, 2017.
3. EC vide letter No. J -11011/305/2016-IA II (I) dated 04th August, 2021.

Respected Sir,

With reference to the above subject please find attached the point wise compliance report
for Environment Clearances for the period from **1st April 2023 to 30th September 2023** for -
1. Expansion of Sugar Mill (From 4800 TCD to 7500 TCD) and Co-Generation Power Plant
(From 14.5 MW to 30 MW) and setting up of 60 KLPD Molasses based Distillery .
2. Expansion of Molasses Based Distillery (60 KLPD to 75 KLPD), Sugar Mill (7500 TCD to 9000
TCD) and Co-Generation Power Plant (30 MW to 32 MW) .
3. Expansion of Molasses based Distillery from 75 KLPD to 120 KLPD using molasses / Sugar
Cane Juice/Sugar Cane Syrup.

This is for your kind information and record please.

Thanking you,

For Dalmia Bharat Sugar & Industries Ltd ,
Asurle-Porle Dist. Kolhapur.


Authorized Signatory

Encl : EC Compliance report for the period from 1st April 2023 to 30th September 2023.
C.C to : The Regional Officer MPCB Kolhapur.

EC Compliance Report

As per the conditions stipulated in the Environmental Clearances,

1. EC vide letter No. J -11011/277/2013-IA II (I) dated 04th February, 2015.
2. EC vide letter No. J -11011/305/2016-IA II (I) dated 10th August, 2017.
3. EC vide letter No. J -11011/305/2016-IA II (I) dated 04th August, 2021.

For

1. Expansion of Sugar Mill (From 4800 TCD to 7500 TCD) and Co-Generation Power Plant (From 14.5 MW TO 30 MW) and setting up of 60KLPD Molasses based Distillery.
2. Expansion of Molasses Based Distillery (60 KLPD to 75 KLPD), Sugar Mill (7500 TCD to 9000 TCD) and Co-Generation Power Plant (30 MW to 32 MW).
3. Expansion of Molasses based Distillery from 75 KLPD to 120 KLPD using molasses /Sugar Cane Juice/Sugar Cane Syrup.

Compliance Period : From 1st April 2023 to 30th September 2023.

At

M/s Shri Datta Sakhar Karkhana,

(A Unit of M/s Dalmia Bharat Sugar and Industries Ltd)

Village Asurle- Porle, Taluka Panhala, District Kolhapur, Maharashtra.

EC Compliance Report for

Name of Project: M/s Shri Datta Sakhar Karkhana, (A Unit of M/s Dalmia Bharat Sugar and Industries Ltd) Village Asurle - Porle, Taluka Panhala, Dist. Kolhapur, Maharashtra.

1.Expansion of Sugar Mill (From 4800 TCD to 7500 TCD) and Co-Generation Power Plant (From 14.5 MW TO 30MW) and setting up of 60KLPD Molasses based Distillery.

2.Expansion of Molasses Based Distillery (60 KLPD to 75 KLPD), Sugar Mill (7500 TCD to 9000 TCD) and Co-Generation Power Plant (30 MW to 32 MW) .

3.Expansion of Molasses based Distillery from 75 KLPD to 120 KLPD using molasses /Sugar Cane Juice/Sugar Cane Syrup.

Period of EC Compliance: From 1st April 2023 to 30th September 2023.

Ref:1.EC vide letter No. J -11011/277/2013-IA II (I) dated 04th February, 2015.

2. EC vide letter No. J -11011/305/2016-IA II (I) dated 10thAugust, 2017.

3. EC vide letter No. J -11011/305/2016-IA II (I) dated 04thAugust, 2021.

Point wise compliances of conditions stipulated in Environmental Clearances are given as under:

1.Compliance status of Environmental Clearance No. J -11011/277/2013-IA II (I) dated 04th February, 2015 for Expansion of Sugar Mill (From 4800 TCD to 7500 TCD) and Co-Generation Power Plant (From 14.5 MW TO 30 MW) and setting up of 60 KLPD Molasses based Distillery.

Sr. No	Specific Conditions	Compliance Status
i	Environment Clearance accorded is forMolasses based Distillery unit (60 KLPD) and no grain-based distillery unit shall be operated without prior permission from the ministry.	Complied. No Grain based distillery unit is installed.
ii	Bag filter / ESP along with stack of adequate height shall be provided to Bagasse fired boiler to control particulate emissions within50 mg/NM3. At no time, the emission levels shall go beyond the prescribed standards. In the event of failure of any pollution control system adopted by the unit, the respective unit shall not be started until the control measures are rectified to achieve the	Complied. ● ESP is installed to each Stack along with the adequate Stack height and ensured Particulate emissions are within the limit of 50 mg / Nm3. Pollution control systems are interlocked with production process. Latest Stacks monitoring results are enclosed as Annexure – 1.

	desired efficiency.	<ul style="list-style-type: none"> ● Continuous Online Monitoring System for Stack emissions has already been installed by the company. The Online data is connected to the MPCB & CPCB Server by the company. The photographs of the same have been incorporated as Annexure – 1.
iii	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling and conveyance of chemicals/materials, multi cyclone separator & water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw material storage area, etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits imposed by Maharashtra Pollution Control Board (MPCB.)	<p>Complied</p> <ul style="list-style-type: none"> ● Provided necessary control measures for checking fugitive emissions from all the vulnerable sources like: - ● Water sprinkling system at Bagasse & Coal yard. ● Water Tankers are used for Water spray for dust suppression. ● Covered conveyors for transporting Bagasse and for Coal storage. ● Storage of finished goods in covered sheds. Fugitive emissions are being monitored at Bagasse yard, Distillation House, Cane yard & Sugar Godown. As per monitoring data the emission levels found to be within prescribed limits. Water sprinkling systems, Closed Storage, covered fuel handling System is in place. Photographs are enclosed as Annexure 2
iv	The gaseous emissions from D.G set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the D.G. sets to mitigate the noise pollution.	<p>Complied.</p> <p>D.G. Set is used for rare emergency purpose only. DG set is installed with adequate stack height as per CPCB guidelines. Acoustic enclosure has also been provided to DG set.</p>
v	The Company shall upload the status of compliance of the stipulated environmental clearance, including results of monitored data on its website and shall update the same periodically. It shall simultaneously be sent to the regional office of MoEF & CC . The respective Zonal office of CPCB and the MPCB. The levels of PM10, PM2.5, SO2, NOx, CO, HC (Methane) in ambient air shall be monitored and displayed at a convenient location near the main gate and at important public places.	<p>Complied</p> <p>We uploaded on regular basis the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data on our website.</p> <p>The Ambient Air Quality monitoring for PM 2.5, PM10, SO2, NOX, VOC, HC (Methane) & CO has been carried out at four locations within the plant.</p> <p>AAQM Monitoring results are enclosed as Annexure 3. Air quality levels displayed at main gate of the company.</p>

vi	Company shall follow good management practices viz collection of waste yeast sludge from fermentation section in a closed system & proper disposal, reduced volume of effluent by adopting strategic approaches, closed drains carrying Spent Wash to the treatment units, minimization of fugitive emissions, anaerobic treatment, minimum retention treated & untreated Spent Wash in the lagoons, and greenbelt development with suitable plantation in & around the treatment units to mitigate odor from the distillery unit.	<p>Complied</p> <ul style="list-style-type: none"> Waste sludge and spent wash are transported through closed pipelines. Anaerobic treatment is not required due to incineration route is adopted. Spent wash is being concentrated in MEE and incinerated in Incineration Boiler. Spent lees and condensate water after treatment in CPU is being recycled back in the process. Concentrated spent wash used directly into the boiler as fuel with minimum retention time. 33% greenbelt / plantation developed all around the plant boundary helps in reducing the Odor, Noise level, arresting dust and improves the environment in surrounding.
vii	Pucca approach road to site shall be constructed prior to commencing constructing activity of main distillery to avoid fugitive emissions	Complied
viii	Total fresh water requirement from Kasari river for Distillery and Sugar Unit along with Co-generation shall not be exceed 1250 m ³ /day. Prior permission for the drawl of 1250 m ³ /day water shall be obtained from the competent authority and submitted to the MoEF & CC Regional office.	<p>Complied.</p> <p>We have recycled back our CPU treated water in the process hence fresh water consumption is reduced by 30%.</p>
ix	Spent Wash generation for Molasses shall not exceed 8 KL/KL of alcohol produced (i.e 480 m ³ per day). The spentwash from molasses-based distillery should be concentrated in MEE followed by incineration in incineration boiler to achieve Zero Discharge. Spent lease and condensate water after treatment will be recycled back in process. Spent wash shall be stored in impervious puccalagoons with proper lining HDPE and shall be kept in proper condition to prevent groundwater pollution in the storage of spent wash shall not exceed 5 days capacity.	<p>Complied.</p> <ul style="list-style-type: none"> Spent wash generation from molasses has not exceeded 8 KL/ KL of Alcohol production. The spent wash from molasses-based distillery is being concentrated in MEE and incinerated in incineration boiler. Spent lees and condensate water after treatment is being recycled back in to the process and makeup of cooling towers water. <p>No effluent is being / will be discharged outside the distillery plant premises and Zero Effluent Discharge condition is being followed.</p> <p>Impervious RCC lagoon with HDPE lining has been provided, having spent wash storage capacity not more than 5 days.</p> <p>Photographs has been attached as Annexure - 04.</p>
x	Waste water generation from the sugar unit shall not exceed 100 lit per Ton of crushed that is 750 m ³ /day. Effluent from sugar unit shall be treated in the Effluent Treatment Plant (ETP). Water quality of treated effluent shall be monitored regularly.	<p>Complied</p> <p>1. Waste water generation from the sugar unit is not exceed 100 lit per Ton of crushed. All the Effluent from Sugar Unit & Co-generation Power Plant is treated in ETP and treated effluent water is recycled / reused in the process, greenbelt development and Irrigation purpose. Treated effluent quality</p>

		Monitoring results are enclosed as Annexure 5.
	In any case, no waste water/ treated effluent shall be discharged into river/ natural stream. Domestic effluent shall be treated in Treatment plant.	<p>2. Online monitoring system for Water quality of treated effluent has already been installed and data is connected to MPCB & CPCB Server.</p> <p>3. ETP Flow chart and Photographs of Online monitoring system & ETP has been attached as Annexure-05.</p> <p>4. As per the monitoring carried out by MPCB treated effluent quality found to be within the limits prescribed in consent granted by MPCB.</p> <p>5. Domestic Effluent is being treated in Septic tank & Soak pits and reused for gardening. No any no waste water/ treated effluent shall be discharged into river/ natural stream.</p>
xi	Adequate numbers of groundwater quality monitoring stations by providing Piezometer around the project area shall be setup. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to SPCB and this ministry. The groundwater quality monitoring for pH, COD, chloride, sulphate and total dissolved solids (TDS) shall be monitored. Sampling and trend analysis monitoring must be made in monthly basis and report submitted to the ministry's Regional office in Bhopal /Nagpur and MPCB.	<p>Complied</p> <ul style="list-style-type: none"> ● No ground water withdrawal in the plant premises. ● Installation of modern integrated Evaporation (MEE) system followed by Incinerator Boiler to consume all generated spent wash. Hence no spillage is ensured. ● Construction of pucca RCC lagoon in sugar plant for avoiding any spillage. <p>Ground water analysis report of Well water sample collected nearby the plant is attached as Annexure- 6.</p>
xii	As proposed, no effluent from Sugar, Distillery and Co-generation Power Plant shall be discharged outside the premises and Zero Effluent Discharge concept shall be followed.	<p>Complied.</p> <ul style="list-style-type: none"> ● Treated effluent from Sugar Plant is used in process, irrigation and green belt development. ● Treated effluent from Co- generation Power Plant is being recycled into the process. ● No effluent is being discharge from Distillery. No effluent is being / will be discharged outside the plant premises and Zero Effluent discharge condition is being followed.

xiii	<p>Bagasse storage should be done in such a way that it does not get air borne or fly around due to wind. Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water direct exposure of workers to fly ash & dust shall be avoided.</p>	<p>Complied.</p> <ul style="list-style-type: none"> • Sugar Plant is a seasonal industry and does not operate in rainy season. • Storage of Bagasse is maintained scientifically with the adoption of water sprinkling system along with covered conveying system. • Fly Ash is being stored separately as per CPCB guidelines. • Ash from the Boiler is utilized in in-house for Brick manufacturing facility and balance given to the Brick manufacturers. <p>Photographs has been attached as Annexure - 07.</p>
xiv	<p>Firefighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for the firefighting shall be made to control fire from the alcohol storage tank.</p>	<p>Complied.</p> <p>Full-fledged firefighting / Fire Hydrant system is installed to cover complete Distillery, Sugar & Co-generation power plant.</p> <p>Photographs has been attached as Annexure - 08.</p>
xv	<p>Risk assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to ministry and its regional office at Bhopal within 6 months.</p>	<p>Complied.</p> <p>The company has already taken measures towards Alcohol storage and drawing is approved from Petroleum and Explosive Safety organization. Letter of approved drawing has been attached as Annexure 09.</p>
xvi	<p>Occupational health surveillance program should be undertaken as regular exercise for all the employee. The first aid facility in the occupational health Centre should be strengthened and the regular medical test records of each employee should be maintained separately.</p>	<p>Complied.</p> <p>Company regularly conducts Occupational Health surveillance program once in year for all the employees. First Aid facilities in the Occupational Health center is available with trained manpower. Medical records are being maintained at the plant. Sample Health reports have been attached as Annexure 10.</p>
xvii	<p>Dedicated parking facility for loading and unloading of material shall be provided in the factory premises. Unit shall develop and implement good traffic management system for their incoming and outgoing vehicles to avoid congestion on the public road.</p>	<p>Complied.</p> <p>Dedicated parking facility has already provided in the factory premises for loading & unloading of materials. The first IN and first OUT system is ensured by the way of digitization</p>

xviii	Green belt over 33% of the total project area should be developed within plant premises with at least 10 m wide green belt on all sides along the periphery of the project area, in downward direction, along roadsides etc. selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	<p>Complied</p> <p>Out of the total plant area of 34.9 Ha, 11.53 Ha (i.e. 33%) has already been developed as Greenbelt/ plantation.</p> <p>Greenbelt developed and its maintenance along with the road & plant boundary will attenuate Noise level, arrest dust level and improve the environment in surrounding. Native plant species has been planted in consultation with DFO. Photographs has been attached as Annexure - 11.</p>
xix	All the commitment made the during the public hearing/ public consultation meeting held on 30 th July 2014 should be satisfactorily implemented and adequate budget provision should be made accordingly.	<p>Complied</p> <p>Public Hearing issues are compiled.</p>
xx	At least 5% of the total cost of the project should be year marked towards the Enterprise social commitment (ESC) based on local need and action planes with financial and physical breakup/ details should be prepared and submitted to the ministry's regional office at Bhopal. Implementation of such program should be insured accordingly in a time bound manner.	<p>Complied</p> <p>5 % of the total cost of the project is earmarked towards the Enterprise Social Commitment (ESC) based on need assessment of the nearby villages.</p> <ul style="list-style-type: none"> ● Socio- Economic development activities being carried out by the company along with the expenditure incurred attached as Annexure-12. ● Expenditures on ESC activities during the Period 1st April 2023 to 30th September 2023 is Rs 12,15,800/- <p>The Photographs & details are attached as Annexure-12.</p>
xxi	Provision shall be made for the housing for the construction labor within the site with all necessary infrastructure & facilities such as fuel for cooking, mobile toilets, mobile sewage treatment plants, safe drinking water, medical health care, etc. The housing may be in the form of temporary structure to be removed after completion of the project. All the construction waste shall be managed so that there is no impact on the surrounding environment.	<p>Completed.</p> <p>Construction work is over.</p>

Sr. No	General Condition	Compliance Status
i	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.	Agreed for Compliance. Strict adherence to the stipulations made by the Maharashtra 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 and Forests. 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.	Agreed for compliance. No further expansion or modifications should be carried out in the plant without prior approval of the Ministry of Environment and Forest and Climate & Change.
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.	The locations of Ambient Air Quality monitoring stations have been decided in consultation with the MPCB officer & monitoring is being done regularly by MPCB. As per Monitoring data the Air Quality levels found to be within prescribed limits. AAQM monitoring reports are attached as Annexure No. 03
iv	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Agreed and Complied AAQM monitoring reports are attached as Annexure No. 03
v	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Acoustic enclosures have been provided. Noise level monitoring during day and night time was carried out and the reports have been attached as Annexure 13
vi	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied. Rain water from the roof tops of the buildings and stormwater drains is being stored in storage tanks and the same water is used for the process activities of the plant to conserve fresh water.
vii	Training shall be imparted to all employees on safety and health aspects of chemicals handling-employment and routine periodical medical examinations for all employees shall undertake on regular basis. Training to all employees on handling of chemicals shall be imparted.	Completed Periodically training to all employees on Safety & Health aspects is given. The safety implementing under the supervision of Safety department and safety Committee. The photographs are attached as Annexure No.14.

viii	The company shall also 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 relating to the project shall be implemented.	Completed ESP has been provided for the stack of Co-gen plant and Incineration Boiler. MEE has been provided for reducing the spent wash. Effluent Treatment Plant with Online Effluent Quality Monitoring System is in place. Green belt has been developed Water sprinkle system has been provided for controlling the fugitive emissions. Air Cooled condensers have been provided for reducing the water requirement. Regular Environmental quality monitoring is being done.
ix	The company shall undertake all relevant measures for improving the Socio-- economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Completed 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on need assessment of the nearby villages. ● Socio- Economic development activities being carried out by the company along with the expenditure incurred attached as Annexure-12 . Expenditures on ESC activities during the Period Period 1st April 2023 to 30 th October 2023 is Rs 12,15,800/- The Photographs & details are attached as Annexure-12 .
x	The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.	Plantation in nearby villages to be undertaken under eco-development measures.
xi	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Completed. Separate Environmental Management Cell equipped with full-fledged laboratory facilities to carry out the Environmental Management & Monitoring functions has been set up.
xii	The company shall earmark sufficient funds towards capital cost and recurring cost per Annum to implement the conditions stipulated by the Ministry of Environment and Forests 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.	The funds earmarked for Environmental protection measures are kept in a separate account and never spend on other purposes.

xiii	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 to concerned Panchayat, Zila Parishad/Municipal corporation Urban Local Body & the local NGO has been submitted.
xiv	The project proponent shall also submit Six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF &CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and Six-monthly compliance status report shall be posted on the website of the company.	We have submitted regularly six-monthly compliance reports along with monitoring results to the concerned authorities, and same will also be posted on the website of the company.
xv	The Environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF & CC by e- mail.	We have submitted the Environmental Statement Form-V report for each financial year on 31st March, to the Maharashtra Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. The Sugar Unit & Distillery Unit Environmental Statement reports are enclosed as Annexure – 17 .
xvi	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 two local newspapers. Maharashtra Times on dated 03.09.2017 and Punyanagari on dated 04.09.2017 Annexure – 18 .
xvii	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied.

8	The Ministry revoke or suspend the clearances, if implementation of any of the above condition is not satisfactory	Noted and agreed for the same.
9	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions	Noted and agreed for the same
10	The above conditions will be enforced, inter-alga under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air Prevention & Control of Pollution) Act,1981, The Environment (Protection) Act, 1986, The Hazardous Waste (Management, Handling and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.	Noted and agreed for the same
11	Environment Clearance is issued for Expansion of Sugar Mill (From 4800 TCD to 7500 TCD) and Co-Generation Power Plant (From 14.5 MW TO 30 MW) and setting up of 60KLPD Molasses based Distillery .	Noted and agreed for the same



2.Compliance status of Environmental Clearance No.J-11011/305/2016-IA II (I) dated 10th August 2017of expansion of Molasses based Distillery (60 KLPD to 75 KLPD), Sugar Mill (7500 TCD to 9000 TCD) and Co-Generation Power Plant (30 MW to 32 MW).

Sr. No	Specific Conditions	Compliance Status
i	All the conditions of the existing Environmental Clearance shall be followed	Complied.
ii	10-Meter-wide green belt of perennial trees around periphery of the plant shall be provided.	Complied. We have maintained 10 Meters wide greenbelt of perennial trees around the periphery of the plant. Photographs showing latest and old greenbelt development are attached as Annexure 11.
iii	Green belt shall be developed in 33 % i.e., 11.53 Ha out of 34.9 Ha of area of the project.	Complied. Greenbelt has already been developed in 33% of the total project area and same has been maintained.
iv	No additional fresh water shall be used for proposed expansion.	Complied No additional fresh water is used for the expansion.
v	No additional steam shall be used for proposed expansion.	Complied. No additional steam is used for the expansion in distillery unit (60 KLPD to 75 KLPD).
vi	At least 2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) and shall be used only for installation of RO plant for drinking water supply and solar panel in nearby villages. Implementation of such program shall be ensured accordingly in a time bound manner. Following activities shall be undertaken under ESC activities	2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on need assessment of the nearby villages. ● Socio- Economic development activities being carried out by the company along with the expenditure incurred attached as Annexure-12. ● Expenditures on ESC activities during the Period 1st April 2023 to 30th September 2023 is Rs 12,15,800 /- The Photographs & details are attached as Annexure-12.
vii	RO plants shall be installed in nearby villages to ensure safe drinking water availability. The expenditure on maintenance on these RO plants will be owned by the Project proponent.	Complied. RO plants are installed and working in nearby villages to ensure safe drinking water availability. The photographs of the same have been incorporated as in Annexure -12.

a	5000 trees/ year shall be planted in nearby villages with the consultation of the villagers. Survival rate of plants shall be reported to RO, MoEF &CC in 6 monthly compliance reports.	Complied. 5000 trees per year have been planted In nearby villages with the consultation of the villagers. The survival rate is 66 %.
b	A regular Environment Manager having post graduate qualification in Environmental Sciences/ Environmental Engineering shall be appointed for looking after the Environmental Management activities of the proposed plant.	Complied Environment Manager is appointed for looking after the Environmental Management activities of the plant.
viii	No effluent shall be discharge outside the plant premises.	The plant is completely based on Zero Effluent Discharge system. No discharge outside the plant premise is ensured.
ix	Continuous online (24x7) monitoring shall be installed for flow measurement and measurement of pollutants within the treatment unit. Data shall be uploaded on company's website and provided to the respective RO of MEF&CC, CPCB and SPCB.	Continuous Online Monitoring System has been already installed, commissioned to ETP and all Stacks. The Online data is connected to the MPCB & CPCB Server by the company. The photographs of the same have been incorporated as Annexure -01.
x	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	As a part of Risk Assessment & Management, the unit has made arrangements for protection of possible Fire hazards. Firefighting / fire Hydrant system is installed and in operation as per the norms.
xi	Occupational Health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Occupational Health surveillance of the workers is conducted on a regular basis and records are maintained as per the Factories Act. Sample Health checkup report is attached as Annexure -10
B	General Condition	Compliance Status
i	The project authorities must strictly adhere to the stipulations made by the state Pollution Control Board (SPCB), State Government and any other statutory authority.	Agreed for Compliance. Strict adherence to the stipulations made by the Maharashtra 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 and Forests. 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.	Agreed for compliance. No further expansion or modifications should be carried out in the plant without prior approval of the Ministry of Environment and Forest and Climate & Change.

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.	The locations of Ambient Air Quality monitoring stations have been decided in consultation with the MPCB officer & monitoring is being done regularly by MPCB . As per Monitoring data the Air Quality levels found to be within prescribed limits. AAQM monitoring reports are attached as Annexure No. 03
iv	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16th November, 2009 shall be followed.	Agreed and Completed AAQM monitoring reports are attached as AnnexureNo. 03
v	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Complied. Acoustic enclosures have been provided. Noise level monitoring during day and night time was carried out and the reports have been attached as Annexure 13.
vi	The Company shall harvest rainwater from the roof tops of the buildings and storm water drains to recharge the ground water and use the same water for the process activities of the project to conserve fresh water.	Complied. Rain water from the roof tops of the buildings is being stored in storage tank and the same water is used for the process activities of the plant to conserve fresh water.
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 undertake on regular basis. Training to all employees on handling of chemicals shall be imparted.	Completed We have periodically arranged the trainings to all employees on Safety & Health aspects like Chemical handling, use of PPEs etc. The safety implementing under the supervision of Safety department and safety Committee. The Safety Trainings photographs are attached as Annexure 14. We have conducted the periodical medical examination of all employees is carried out . Employee Health reports are attached as Annexure 10.

viii	The company shall also 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 relating to the project shall be implemented.	<p>Complied</p> <ul style="list-style-type: none"> ● ESP has been provided for all the Stack of Co-gen plant and Distillery Incineration Boiler. ● MEE has been provided for reducing the spent wash quantity. ● We have provided Effluent Treatment Plant and Condensate Polishing Unit with Online Monitoring System. ● Green belt has been developed in and around the plant. ● Water sprinkle system has been provided for controlling the fugitive emissions. ● Air Cooled condensers have been provided for reducing the water requirement. ● Regular Environmental quality monitoring is being done.
ix	The company shall undertake all relevant measures for improving the Socio-economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	<p>Complied</p> <p>An amount of Rs. 12,15,800 /- has been spent towards CSR activities during 1ST April 2023 to 30th September 2023.</p> <p>Details are attached as Annexure-12.</p>
x	The company shall undertake eco developmental measures including community welfare measures in the project area for the overall improvement of the environment.	<ul style="list-style-type: none"> ● Plantation in nearby villages to be undertaken under eco-development measures. ● Rainwater harvesting program is implemented in nearby villages.
xi	A separate Environmental Management Cell equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	<p>Completed.</p> <p>Separate Environmental Management Cell equipped with full-fledged laboratory facilities to carry out the Environmental Management & Monitoring functions has been set up.</p>
xii	The company shall earmark sufficient funds towards capital cost and recurring cost per Annum to implement the conditions stipulated by the Ministry of Environment and Forests 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>The funds earmarked for Environmental protection measures are kept in a separate account and never spend on other purposes.</p>

xiii	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 to concerned Panchayat, Zila Parishad / Municipal corporation Urban Local Body & the local NGO has been submitted.
xiv	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF& CC, the respective Zonal office of CPCB and SPCB. A copy of Environmental Clearance and Six-monthly compliance status report shall be posted on the website of the company.	We have submitted regularly Six-monthly compliance reports along with monitoring results to the concerned authorities, and same will also be posted on the website of the company.
xv	The Environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF & CC by e-mail.	We have submitted the Environmental Statement report for each financial year on 31 st March, Form-V to the Maharashtra Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. The Sugar Mill & Distillery Environmental Statement reports are enclosed as Annexure – 15.
xvi	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 accordances of Environmental Clearance in two local newspapers. Maharashtra Times on dated 03.09.2017 and Punyanagari on dated 04.09.2017 Newspaper copies are attached as Annexure – 16.

xvii	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	We are submitting the Environmental Statement report for each financial year on 31st March, Form-V to the Maharashtra Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. Sugar with Cogen & Distillery Environmental Statement reports are enclosed as Annexure – 15 .
11	The Ministry revoke or suspend the clearances, if implementation of any of the above condition is not satisfactory	Noted and agreed for the same.
12	The Ministry reserves the right to stipulate additional conditions, if found necessary. The company in a time bound manner will implement these conditions	Noted and agreed for the same
13	The above conditions will be enforced, inter-alga under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air Prevention & Control of Pollution) Act,1981, The Environment (Protection) Act, 1986, The Hazardous Waste (Management, Handling and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.	Noted and agreed for the same



III. Compliance Status of Environmental Clearance No. J-11011/305/2016-I A II (I) Dated 04.08.2021 for Expansion of Molasses based Distillery from 75 KLPD to 120 KLPD using molasses /Sugar Cane Juice / Sugar Cane Syrup.

Sr. No	Specific Conditions	Compliance Status
i	The capacity additional under the instant EC i.e 45 KLPD shall be utilized fully for contributing to Ethanol Blending Program (EBP).	Complied.
ii	The company shall also 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 relating to the project shall be implemented.	Complied. <ul style="list-style-type: none"> ● All the Environmental protection measures and safeguards proposed in the documents submitted to the Ministry are implemented. ● All the recommendations made in the EIA / EMP in respect of Environmental management, Risk mitigation measures and public hearing relating to the project have been implemented.
iii	The Project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises	Complied The plant is completely based on Zero Liquid Discharge system (ZLD). All the effluent generated in the plant is treated and reused in process. No discharge of any waste or treated water outside the plant premise is ensured.
iv	Total fresh water requirement after expansions will be reduced to 1140 KLPD during season and 974 KLPD during off season which will be meet from Kasari river. Prior permissions shall be obtained from the concern regulatory authority / CGWA in this regard and renewed from time to time . No ground water recharge shall be permitted within the premises. Rain water shall be collected in storage ponds and utilized for plant activities. Ground water monitoring shall be regularly and report isto be submitted to concerned authorities regularly.	Complied. No additional fresh water is required for the expansion. As per the EC condition water extraction is restricted to 1140 KLPD during season and 974 KLPD during off season which is meet from Kasari River. Prior permissions is obtained from the concern regulatory authority i.e. Irrigation Dept. Govt. of Maharashtra and renewed from time to time. The River water lifting agreement copy have been attached as Annexure 17 .
v	The spent wash / other concentrated shall be incinerated. Ash shall be utilized within plant premises in brick manufacturing plant.	Complied. The spent wash / other concentrated effluent is incinerated in Incineration Boiler. Ash is utilized within plant premises for Brick manufacturing . Photographs area attached as Annexure No.07
vi	CO2 generated from the process shall be bottled /made solid ice and utilized/sold to authorized vendors	Noted for compliance.

vii	Occupational Health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Complied. Company regularly conducts Occupational Health surveillance program once in year for all the employees & First Aid facilities in the occupational health center is strengthened with proper record. Records are being maintained at the plant. Sample Health reports have been attached as Annexure 10.
viii	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. Training is 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 is imparted. Safety training photographs are attached as Annexure 14.
ix	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Fire fighting system shall be as per the norms.	Complied. Full-fledged firefighting system is installed to cover complete Distillery, Sugar & Co-generation power plant.
x	Process organic residue and spent carbon, if any shall be sent to Cement or other suitable industries for its incineration .ETP sludge, process inorganic & evaporation salts shall be disposed of to the TSDF.	Agreed for Compliance.
xi	The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste; (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of Close Feed system into batch reactors. (e) Venting equipment through vapor recovery system. (f) Use of high-pressure hoses for equipment clearing to reduce waste water generation	Complied

xii	The green belt of at least 5- 10 Mtrs width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the State Forest Department. Records of tree canopy shall be monitored through remote sensing map.	Complied. The company maintains 10 Mtrs. wide greenbelt of perennial trees around periphery of the plant. Photographs showing latest and old Greenbelt development has been attached as Annexure 11 . Out of the total plant area of 34.9 Ha, 11.69 Ha (i.e.33%) has already been developed as Greenbelt/plantation. Greenbelt developed and its maintenance along with the road & plant boundary will attenuate Noise level, arrest dust level and improve the environment in surrounding. Native plant species has been planted in consultation with DFO.
xiii	As per the Ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the Socio- Economic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/ support in nearby village's schools, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights, battery, solar panel etc., in the nearby villages. The action plan shall be completed within time as proposed.	Complied A plan is carried out in consultation with local bodies to understand the local needs and accordingly CSR expenditures are attached as Annexure 12 and Photographs of CSR Activity have been attached as Annexure 12 .
xiv	There shall be 20% parking space out of total area of plant site which shall be earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places.	Complied Dedicated parking facility has already been provided in the factory premises for Raw material and finished products loading & unloading of materials and first in and first out system is ensured by the way of digitization. No parking to be allowed outside on public places.
xv	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	Complied Storage of finished goods in covered sheds to prevent dust pollution and other fugitive emissions.

xvi	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.	Complied Continuous Online (24 x7) Monitoring System for all Stacks (03 Nos) and ETP has been already installed, commissioned and connected to the MPCB & CPCB Server by the company. The photographs of the same have been incorporated as Annexure -1
xvii	A separate Environmental Management Cell (having qualified person with Environmental Science/Environmental Engineering/specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry out the Environmental Management and Monitoring functions.	Complied. We have established the separate Environmental Management Cell with qualified persons in Environmental Science / Environmental Engineering / specialization. Also, ETP Lab with well-equipped and full-fledged laboratory facilities is set up to carry out the Environmental Management and Monitoring functions.
B	General Condition:	
i	No further expansion or modifications in the plant, other than mentioned in the EIA Notification, 2006 and its amendments, shall be carried out without prior approval of the Ministry of Environment, Forest and Climate Change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this Ministry for clearance, a fresh reference shall be made to the Ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Agreed for compliance. No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests and Climate Change.
ii	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment.	Complied
iii	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. to all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment(Protection) Act, 1986 Rules, 1989 viz. 75dBA (day time) and 70 dBA (night time).	Acoustic enclosures have been provided to equipment's. Noise level monitoring during day and night time is carried out and which is with the limit. The Noise monitoring report is attached as Annexure -13.

iv	<p>The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco- developmental measures including community welfare measures in the project area for the overall improvement of the environment.</p>	<p>Agreed for compliance.</p> <p>2.5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on need assessment of the nearby villages.</p> <p>② Socio-economic development activities being carried out by the company along with the expenditure incurred as Annexure-12.</p> <p>② Expenditures on ESC activities during the period 1st April 2023 to 30th September 2023 is Rs 12,15,800/-</p> <p>② The Photographs are Attached as Annexure-12 .</p>
v	<p>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>	<p>Complied.</p> <p>The funds earmarked for Environmental protection measures are kept in a separate account and never spend on other purposes.</p>
vi	<p>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.</p>	<p>Complied</p>
vii	<p>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.</p>	<p>Complied</p> <p>We have already published the accordance of Environmental Clearance in Three local newspapers. Times Of India in English and Daily Sakal & Daily Lokemat "in Marathi on dated 18.08.2021. The advertisement copies are attached as Annexure – 16.</p>

viii	The environmental statement for each financial year ending 31st March in Form-V as is mandated shall be submitted to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional offices of MoEF &CC by e-mail.	Complied We are submitting regularly Six monthly compliance reports along with monitoring results to the concerned authorities, and same will also be posted on the website of the company.
ix	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry and at https://parivesh.nic.in/ . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional Office of the Ministry.	Complied A copy of the clearance letter to concerned Panchayat, Zila Parishad / Municipal corporation Urban Local Body & the local NGO has been submitted. We have already published the accordance of Environmental Clearance in Three local newspapers. Times Of India in English and Daily Sakal & Daily Lokemat "in Marathi on dated 18.08.2021. The advertisement copies are attached as Annexure – 16 .
x	The project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Complied We have submitting the Environmental Statement Form-V report for each financial year on 31st March, to the Maharashtra Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. The Environmental Statement reports of Sugar and Cogen Plant and Distillery plant are enclosed as Annexure – 15 .
xi	This Environmental clearance is granted subject to final outcome of Honorable Supreme Court of India, Honorable High Court, Honorable NGT and any other Court of Law, if any, as may be applicable to this project.	Noted & Agreed for compliance.

20	The Ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implementation of any of the above conditions is not found satisfactory.	Noted & Agreed for compliance.
21	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (Protection) Act, 1986.	Noted & Agreed for compliance.
22	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within a period of 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	Noted & Agreed for compliance.
23	The above conditions will be enforced, inter-alia under the provisions of the Water (Prevention & Control of Pollution) Act, 1974, the Air Prevention & Control of Pollution Act, 1981, the Environment (Protection) Act, 1986, The Hazardous Waste (Management, Handling and Trans boundary Movement) Rules, 2016 and the Public Liability Insurance Act, 1991 read with subsequent amendments therein.	Noted & Agreed for compliance.
24	This issues with the approval of competent authority.	Noted.



Dalmia Bharat Sugar & Industries Ltd.


Photographs showing Existing Air Pollution Control Measures & with Online Monitoring System



Stack Monitoring Report -Sugar & Cogen Boiler

A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed,
Dist. Pune-410501. Mob+ 9545084620, 8421385421 CIN No. : U74900PN2013PTC149666
E-mail : envirosafotyeng@gmail.com, gesecc12@gmail.com | www.greenenvirosafe.co.in

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)
and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No	GESEC/PRO/ST/2023-24/04/1148	Report Date	18/04/2023	
Sample ID	GESEC/PRO/ST/2023-24/04/1148			
Name & Address of the Customer	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle – Porle, Tal- Panhala, Dist- Kolhapur.			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
12/04/2023	13/04/2023	13/04/2023	18/04/2023	
Instrument Details				
Name of Instrument	SE/SMK-02	Date of Calibration	23/12/2022	
Calibration Certificate No.	TECH/CAL/2022/31.F/1/2/3/4/5	Due Date of Calibration	22/12/2023	
Stack Details				
Stack No/ID	Stack Attached to	Sampling done by		
01	Co- Gen 120 TPH	M/s SAHYADRI ENVIROCORE		
Shape	Round	Fuel Used	Bagasse	
Diameter/ Dimensions (m)	3.8	Pressure	760	
Height (m)	75			
Temperature (°C)	141	Velocity (m/s)	5.8	
Gas Volume (Nm ³)	170026.02			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter	IS 11255 (Part 1) 2019	Mg/Nm ³	150	45
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	Kg/Hr	266	12.7
Remarks-				
<ul style="list-style-type: none"> > All above results are well within MPCB Limit. > BDL- below Detectable limit. 				
		 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By		



Page 1 of 1


Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date: 18/02/2022 to 29/02/2024.

Stack Monitoring Report -Distillery Boiler

A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoja, Tal. Khed,
Dist. Pune-410501. Mob+ 9945084620, 8421365421. CIN No. : U74900PN2013PTC140866
E-mail : envirosafeyeng@gmail.com, gseec12@gmail.com | www.greenenvirosafe.co.in

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No	GESEC/PRO/ST/2023-24/09/2044	Report Date	21/09/2023	
Sample ID -	GESEC/PRO/ST/2023-24/09/2044			
Name & Address of the Customer:	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurie - Parle, Tal- Panhala, Dist- Kolhapur.			
Sample Details				
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/09/2023	16/09/2023	16/09/2023	21/09/2023	
Instrument Details				
Name of Instrument	SE/SMK-02	Date of Calibration	23/12/2022	
Calibration Certificate No.	TECH/CAL/2022/31.F/1/2/3/4/5	Due Date of Calibration	22/12/2023	
Stack Details				
Stack No/ID	Stack Attached to		Sampling done by	
01	Distillery 21 TPH		M/s SAHYADRI ENVIROCARE	
Shape	Round	Fuel Used	Spent Wash / Coal	
Diameter/ Dimensions (m)	2.5	Pressure	760	
Height (m)	62			
Temperature (°C)	138	Velocity (m/s)	5.3	
Gas Volume (Nm ³)	67738.35			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter	IS 11255 (Part 1) 2019	Mg/Nm ³	150	48
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	Kg/Hr.	N.S	3.1
Remarks-				
➤ All above results are well within MPCB Limit.				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	



Page 1 of 1

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- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

Photographs Showing Fugitive Emission Control Measures



Photographs Showing Fugitive Emission Control Measures



Ambient Air Quality Monitoring Reports

A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed,
Dist. Pune-410501 Mob + 9545084620, 8421365421 CIN No. : U74900PN2013PTC140686
E-mail : envirosafetyeng@gmail.com, geseec12@gmail.com | www.greenenvirosafe.co.in

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB)
and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No	GESEC/PRO/ST/2023-24/09/2044	Report Date	21/09/2023	
Sample ID -	GESEC/PRO/ST/2023-24/09/2044			
Name & Address of the Customer	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurie - Porle, Tal- Panhala, Dist- Kolhapur.			
Sample Details				
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
15/09/2023	16/09/2023	16/09/2023	21/09/2023	
Instrument Details				
Name of Instrument	SE/SMK-02	Date of Calibration	23/12/2022	
Calibration Certificate No.	TECH/CAL/2022/31.F/1/2/3/4/5	Due Date of Calibration	22/12/2023	
Stack Details				
Stack No./ID	Stack Attached to		Sampling done by	
01	Distillery 21 TPH		M/s SAHYADRI ENVIROCARE	
Shape	Round	Fuel Used	Spent Wash / Coal	
Diameter/ Dimeters (m)	2.5	Pressure	760	
Height (m)	62			
Temperature (°C)	138	Velocity (m/s)	5.3	
Gas Volume (Nm ³)	67738.35			
Parameters	Method	Unit	Limit	Result
Total Particulate Matter	IS 11255 (Part 1) 2019	Mg/Nm ³	150	48
Sulphur Dioxide (SO ₂)	IS 11255 (Part 2) 2019	Kg/Hr.	N.S	3.1
Remarks-				
➤ All above results are well within MPCB Limit.				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	

Page 1 of 1

Terms and conditions

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- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From date: 16/02/2022 to 29/02/2024.

Ambient Air Quality Monitoring Reports

A-72/C-11, Capital City, Tarwade - Chakan Road, Chakan MIDC, PH-IV, Village Nigroje, Tal. Khed,
Dist. Pune-410601. Mob-> 9545384620, 8421385421 CIN No. : U74000PN2013FTC148686
E-mail : envirosafeyng@gmail.com, gesec12@gmail.com | www.greenenviroSAFE.co.in

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No: -	GESEC/PRO/AAQM/2023-24/09/2042	Report Date	03/10/2023	
Sample ID: -	GESEC/PRO/AAQM/2023-24/09/2042			
Name & Address of the Customer	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle - Porle, Tal- Panhala, Dist- Kolhapur.			
Ambient Air Sample Details				
Type	Sampling Location	Sampling done by		
Ambient Air	Cogen Office area	M/s SAHYADRI ENVIROCARE		
Sampling Time				
Start Time	Stop Time	Total Hrs.		
09.45 am	17.45 pm	8 Hrs.		
Metrological Data/Environmental Conditions				
Ambient Temperature °C	30	Wet Bulb Temperature °C	24	
Dry Bulb Temperature °C	30	Relative Humidity % RH	61	
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
27/09/2023	28/09/2023	28/09/2023	03/10/2023	
Name of Instrument	ADS - SE/ADS-01	Date of Calibration	03/09/2023	
Calibration Certificate No.	TECH/CAL/2023/09.C/01/02/03/04	Due Date of Calibration	02/09/2024	
Name of Instrument	HVS- SE/HVS-01	Date of Calibration	03/09/2023	
Calibration Certificate No.	TECH/CAL/2023/09.C/05/06	Due Date of Calibration	02/09/2024	
Parameters	Method	Unit	NAAQ Standards	Result
Sulphur Dioxide (SO ₂)	IS:5182 (PART 2):2017	µg/m ³	≤ 80	15.6
Nitrogen Dioxide (NO ₂)	IS:5182 (PART 6):2018	µg/m ³	≤ 80	22.8
Particulate Matter PM ₁₀	IS:5182 (PART 4):2019	µg/m ³	≤ 100	53
Particulate Matter PM _{2.5}	IS:5182 (PART 24):2019	µg/m ³	≤ 60	32
Remark-	> All above results are within National Ambient Air Quality standards.			
		Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By		

Page 1 of 1

Terms and conditions

- The report is refer only to the sample tested and not applies to the bulk.
- The results shown in this test report may differ based on various factors including temperature, humidity, pressures, retention time etc.
- The test report cannot be reproduced wholly or in part and cannot be used for promotional or publicity purpose without the written consent of laboratory, GESEC.
- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
- NAAQ approved Lab by Govt. of India. From date, 16/02/2022 to 28/02/2024.

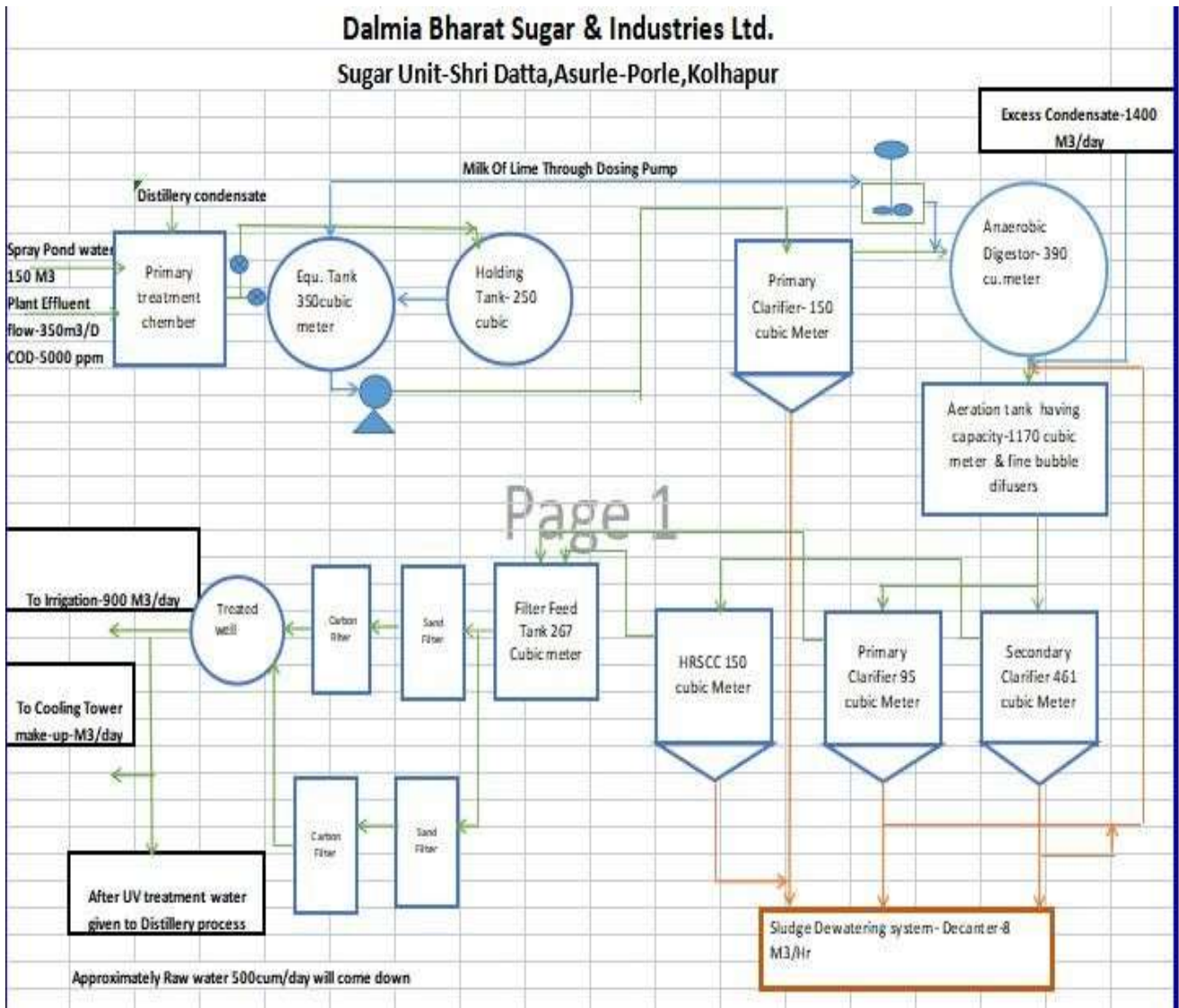
Five days RCC Spent wash storage tank at Distillery



Condensate Polishing Unit & Effluent Treatment Plant



ETP & CPU Flow Diagram



EFFLUENT TREATMENT PLANT and CONDENSATE POLISHING UNIT



Annexure No. 05

ETP Online monitoring system Display

Probe for online monitoring of Treated water quality



ETP inlet Effluent Flow meter

ETP Outlet flow meter



ETP OUTLET REPORT



GREEN ENVIROSAFE
Engineers & Consultant Pvt Ltd.

A-7/2/C-11, Capital City, Telavade - Chakan Road, Chakan MIDC, Ph-IV, Wagle Righton, Tal. Khed,
Dist. Pune-410501. Mob-+ 9645084620, 8421069421. CIN No. : U74900PN2013FTC149668
E-mail : envirosafetying@gmail.com, gsec12@gmail.com | www.greenenvirosafe.co.in

Recognised by Ministry of Environment and Forests (MoEF) | Central Pollution Control Board Govt. of India (CPCB)
and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No: GESEC/PRO/WW/2023-24/04/1149	Report Date	18/04/2023		
Sample ID : GESEC/PRO/WW/2023-24/04/1149	Sample Details	ETP Outlet		
Name and Address Of the Customer: M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle - Porle, Tal- Panhala, Dist- Kolhapur.	Type of Sample	Treated Water		
	Volume Of Sample	1 Lit plastic bottle		
	Sample Status	Sealed		
	Sample Collected By	M/s SAHYADRI ENVIROCARE		
	Date of Sample Collection	12/04/2023		
	Sample Receipt Date	13/04/2023		
	Analysis start Date	13/04/2023		
	Analysis End Date	18/04/2023		
Parameters	Results	MPCB Limit	Unit	Standard Method
pH	7.30	5.5-9.0	—	APHA 4500 H+ B 23rd Edition, 2017
Suspended Solid	14	<100	mg/l	APHA 2540 D 23 rd ED-2017
Total Dissolved Solid	835	<2100	mg/l	APHA 2540, C, 23rd Edition, 2017
Chemical Oxygen Dissolved (COD)	58	<250	mg/l	IS 3025 (Part 58) , 2019
Biological Oxygen Dissolved (BOD) at 27°C for 3 days	23	<100	mg/l	IS 3025 (Part 44), 2019
Oil & Grease	Nil	<10	mg/l	IS 3025 (Part 39), 2019
Chloride as Cl	212	<600	mg/l	APHA 4500 Cl- B, 23rd Edition, 2017
Sulphate as SO ₄ ²⁻	362	<1000	mg/l	APHA 3025 (Part 24) ,2019
Remark:				
➤ All parameters are within the MPCB limit.				



Handwritten Signature
Mr. Vinod Hande
(Technical Manager)
Reviewed & Authorized By

Page 1 of 1

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- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
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- Samples will be retained for a period of seven (7) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
- MoEF approved Lab by Govt. of India. From Date: 16/01/2022 to 31/03/2024.



A-72/C-11, Capital City, Telwade - Chakan Road, Chakan MIDC, PH-V, Village Nigroje, Tal. Khed, Dist. Pune-410511. Mob + 9646094630, 8421365421 | CIN No. : U74900PH2013PTC149668
E-mail : envirosafeyeng@gmail.com, gesecc12@gmail.com | www.greenenvirosafe.co.in

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) and ISO/IEC 17025:2017 (NABL), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT			
Test Report No: GESEC/PRO/W/2023-24/08/1064	Date of Reporting	31/08/2023	
Sample ID : GESEC/PRO/W/2023-24/08/1064	Sample Details	Well Water (Mr. Vishnu Lad near Lagoon area)	
Name & Address of the Customer - M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle – Porle, Tal- Panhala, Dist- Kolhapur.	Type of Sample	Water	
	Volume Of Sample	2 Lit. Plastic Can	
	Sample Status	Sealed	
	Sample Collected By	M/s SAHYADRI ENVIROCARE	
	Date of Sample Collection	25/08/2023	
	Date of Sample received in lab	26/08/2023	
	Analysis start Date	26/08/2023	
	Analysis End Date	31/08/2023	
WATER ANALYSIS REPORT			
Parameter	Result	Unit(s)	Standard Method
Physical Parameter			
Turbidity	<0.1	NTU	IS:3025(part10)-2019
TDS	152	mg/lit	IS :3025(part 16):2017
Color	<5	Hazen	IS:3025 (part 4):2021
Conductivity	386	µmhos/cm	IS – 3025(Part 14)
Odour	Agreeable	-	IS :3025 (Part 05)
Chemical Parameter			
pH	7.2	-	APHA 4500, 23 rd Edition:2017
Total Hardness	132	mg/lit	IS-3025 Part-21-2019
Total Alkalinity	82	mg/lit	IS-3025 Part-23-2019
Sulphate	71	mg/lit	IS-3025 Part-24-2019
Chloride	50	mg/lit	IS-3025 Part-32-2019
Calcium (as Ca)	37	mg/lit	IS-3025 Part-40-2019
Magnesium (as Mg)	21	mg/lit	APHA 3500- Mg, B, 23 rd Edition:2017
Elemental Analysis			
Iron as Fe	<0.2	mg/lit	IS:3025(part 2)-2019
Manganese as Mn	0.5	mg/lit	IS:3025 Part-59-2019
Fluorides	BDL	mg/lit	IS:3025 Part-60-2019
Remark(s): ➤ - BDL – Below Detectable Limit.			



V. Hande
Mr. Vishod Hande
(Technical Manager)
Reviewed & Authorized By

Terms and conditions

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- The test report cannot be reproduced whole or in part and cannot be used for promotional or publicize purpose without the written consent of laboratory, GSECC.
- Sample will be retained for a period of seven (7) days after completion of analysis. Larger retention periods can be arranged, on request of the customer.
- We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not reveal to third party unless required by the statutory or legal requirement.
- Staff approved/ab by Govt. of India. From date - 16/05/2022 to 30/05/2024.

Annexure No. 07

ASH BRICK MANUFACTURING UNIT

The ash generated in the plant is utilized in in-house brick manufacturing facility and balance given to brick manufacturers units.



Annexure No. 08

Dalmia **OCCUPATIONAL SAFETY MEASURES AT PLANT SITE** **JM**



Aster
AADHAR HOSPITAL
We'll Treat You Well
OUT PATIENT DEPARTMENT



Date 18/08/2023
O.W.No.162/08/2023

MEDICAL CERTIFICATE

This is to certify that **Mr. Arvind Gunda Vaghamare**, Age 33 Yrs, Male (UHID No.200449383) has been examined by me on OPD basis.

Based on his clinical examinations and investigations, he is fit for the mentioned job

**FOR PRERANA HOSPITAL LTD
(ASTER AADHAR HOSPITAL)**

DR.AVI UMBHAR

**N REQUEST OF THE APPLICANT
OR ANY OTHER PURPOSE AND FOR**


NASH K
MBBS, DNB (FAMILY MEDICINE)
Dr. Avinash Kumbhar
M.B.B.S.D.N.B.(Family Medicine)
Reg. No. 2006/11/3395

**THIS CERTIFICATE ISSUED ON THE WRITTE
FOR THE PURPOSE OF OFFICE SUBMISSION.
THIS CERTIFICATE IS NOT MEANT F
JUDICIAL/ EXECUTIVE WORK**

Prerana Hospital Ltd
CIN : U85110PN1996PLC104292
Regd Office, R.S. No. 628, 'B' Ward,
Near Shastri Nagar, Kolhapur,
Maharashtra - 416012, India.

Toll Free No: **1800 123 0355**
Emergency No: **+91 9158909090**
T + **91 231 662 255**
Website: www.asteraadhar.com

Aster

We'll Treat You Well

DEPARTMENT OF RADIOLOGY

NAME	Arvind Gunda Vaghmare	STUDY	18-08-2023 10:04:53
AGE/GENDER	33Y 1M 28D / M	UHID	200449383
ACC NO	200101461	MOD	DX
REFERER	Dr. AVINASH	REPORT	18-08-2023 12:11:34

X-RAY CHEST P. A. VIEW

Patient is in rotation.
 Both the lung fields are essentially normal.
 Heart, mediastinum and aorta are normal.
 Both the domes of diaphragm are smooth and convex.
 C.P. angles are well maintained.
 Visualised bony cage appears unremarkable.

IMPRESSION :-

-- No significant abnormality detected.

Suggest : Clinico-pathological correlation.

DR. SANTOSH SARUDKAR
 M.D. (Radiology)
 Reg. No. 2000/01/0047

☐ DIGITAL X-RAY
 ☐ ROUTINE & OBSTETRIC USG

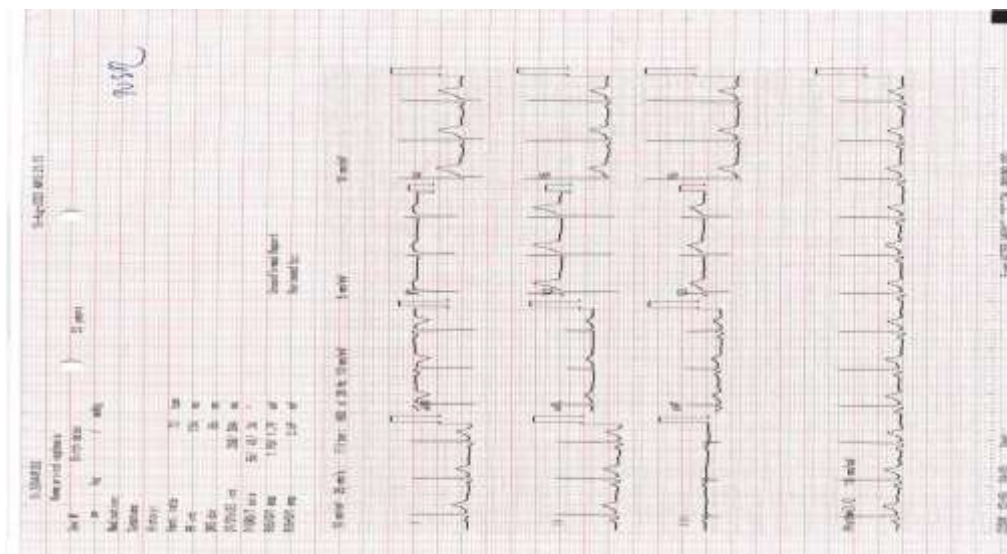
☐ CONVENTIONAL PROCEDURE
 ☐ MULTI SLICE CT SCAN

☐ WHOLE BODY COLOUR DOPPLER
 ☐ INTERVENTIONAL PROCEDURE

* 24 Hours Emergency Service Available. Free Ambulance for CT Scan of IPD Patients.

Prerana Hospital Ltd
 CIN : U85110PN1996PLC104292
 Regd Office, R.S. No. 628, 'B' Ward,
 Near Shastri Nagar, Kolhapur,
 Maharashtra - 416012, India.

Toll Free No: 1800 123 0355
Emergency No: +91 9158909090
T + 91 231 662 255
 Website: www.asteraadhar.com





TEST REPORT

Lab. Id	: AMR75328	Hosp. UHID	: 200448383	Req. Date	: 18-Aug-2023 / 10:00 AM
Name	: SRI. ARVIND DUNDA VACHHARE	Collection	: 18-Aug-2023 / 10:00 AM	Received	: 18-Aug-2023 / 10:00 AM
Age/Gender	: 35Y-1M-20D / Male	Report	: 18-Aug-2023 / 12:27 PM	Print	: 18-Aug-2023 / 13:35 PM
Collected At	: Aster Auditor Hospital	Report Status	: Final		
Referral Dr	: Dr.AVINASH KUMBHAR				
Bed	: OPD				

Haematology

Investigation	Observed Value	Unit	Biological Ref. Interval	Specimen
BLOOD GROUPING , Rh TYPING				
BLOOD GROUP	O			KGEDTA WHOLE BLOOD
Rh TYPING	Negative			KGEDTA WHOLE BLOOD

Verified By: 103741

[Signature]
Dr. Vishram Kulkarni
M.B.B.S.D.C.P

--- End Of Report ---

Important Instructions:

- *Test results released pertain to specimen submitted.
 - *All results are dependent upon the quality of specimen received in the laboratory.
 - *Lab investigation is only a tool to facilitate in concluding a diagnosis, and should be clinically correlated by the referring physician.
 - *Certain tests may require further testing, at an additional cost for derivation of exact value. Kindly submit request with in 2 days, post reporting.
 - *Some test results are accepted on request of Referring Physician with in sample stability period.
 - *Test results may show inter-laboratory variation.
 - *Results are for informational purposes, and not intended to replace the care of medical practitioners, and does not recommend self-diagnosis and/or self-medication.
 - *Aster Clinical Lab LLP does not make any warranties expressed or implied with respect to information herein.
 - *Test results are not valid for medico-legal purposes.
 - *The court/forum of Cochin/Bangalore shall have exclusive Jurisdiction in all disputes/claims concerning the request and/or result of test(s).
 - *Contact customer care @0484395650 for all queries related to test results.
- Patient/Client is advised to contact the laboratory immediately, for any possible remedial action, if test result is alarming or unexpected



TEST REPORT

Lab. ID : AH76328 Hosp. URID : 205449393 Reg. Date : 18-Aug-2023 / 10:00 AM
 Name : Smt. ARVIND GUNDA VACHHANE Collection : 18-Aug-2023 / 10:00 AM
 Age/Gender : 35Y, 1M-2SD / Male Report : 18-Aug-2023 / 10:00 AM
 Collected At : Aster Health Hospital Report : 18-Aug-2023 / 11:07 AM
 Referred By : Dr. AVINASH KUMHAR Report Status : Final Print : 18-Aug-2023 / 11:35 AM
 Bed : OPD

Investigation	Observed Value	Unit	Biological Ref. Interval	Spectrum
LIPID PROFILE				
TOTAL CHOLESTEROL <small>Method: enzymatic (Colorimetric)</small>	182	mg/dl	Optimal: < 200 Borderline High: 200 - 239 High: >= 240	Serum
HDL CHOLESTEROL <small>Method: enzymatic (Colorimetric)</small>	44.1	mg/dl	High Risk: < 40 Low Risk: >= 60	Serum
LDL CHOLESTEROL <small>Method: Directly Measured</small>	115.8	mg/dl	Optimal: 100 Near or above Optimal: 100 - 129 Borderline High: 130 - 159 High: 160 - 189 Very High: >= 190	Serum
TRIGLYCERIDES <small>Method: enzymatic (Colorimetric)</small>	110.8	mg/dl	Normal: < 150 Borderline-high: 150 - 199 High: 200 - 499 Very High: >= 500	Serum
TOTAL CHOLESTEROL/HDL-C RATIO <small>Method: Calculated</small>	4.13		0 - 4.5	Serum
VLDL-C Cholesterol <small>Method: Calculated</small>	22.16	mg/dl	0.0-35	Serum

Remarks:
Ldl calculated

Comments:
This is an initial test to help determine your risk of heart disease and to help make decisions about what to do next. The results of the lipid panel are considered along with other known risk factors of heart disease to develop a plan of treatment. Depending on the results and other risk factors, treatment options may involve lifestyle changes such as diet and exercise, and follow-up medications that lower lipid levels, typically statins. Additionally a lipid panel may be used to monitor whether treatment has been effective in lowering cholesterol levels.

HEA 2018-19 guideline:
1. Non-HDL-C (Calculated as total C - HDL-C) represents the sum of cholesterol carried by all potentially atherogenic lipoproteins (LDL remnants), and chylomicron particles and remnants, including apo B-containing lipoproteins (LDL and Lp(a)), and apo B-containing lipoproteins (remnants of chylomicrons and VLDL-C), termed as apo B lipoproteins. It is a better predictor of ASCVD risk than LDL-C and is recommended for patients with high risk of ASCVD. In patients with high risk of ASCVD, treatment should be based on apo B lipoprotein levels. For patients with high risk of ASCVD, treatment should be based on apo B lipoprotein levels. For patients with high risk of ASCVD, treatment should be based on apo B lipoprotein levels.

lipoprotein particles, including LDL, IDL, and VLDL. An elevated level of cholesterol carried by these particles is a root cause of atherosclerosis.

a) VLDL (including VLDL, IDL, and Lp(a)) is a lipoprotein particle that carries triglycerides and cholesterol. It is the most atherogenic lipoprotein particle and is responsible for the development of atherosclerosis.

LDL-C is a lipoprotein particle that carries cholesterol. It is the most atherogenic lipoprotein particle and is responsible for the development of atherosclerosis.

HDL-C is a lipoprotein particle that carries cholesterol. It is the most protective lipoprotein particle and is responsible for the regression of atherosclerosis.

Triglycerides are a type of fat found in the blood. High levels of triglycerides are associated with an increased risk of heart disease.

LDL-C/HDL-C Ratio is a measure of the relative amounts of LDL-C and HDL-C in the blood. A high ratio is associated with an increased risk of heart disease.

Photographs showing Existing Greenbelt Development





Celebration of “WORLD ENVIRONMENT DAY -2023 “ with Tree Plantation Program



Details of expenditures on ESC/CSR activities during the period 1st April 2023 to 30thSeptember 2023.

CSR Activities Consolidated Expenditure from Dated 01.04.2023 to 30.09.2023			
Sr. No.	Program	Activities	Expenditure (Rs.)
1	Environment (Energy, Soil and Water conservation)	1.Asurle village pond development	378000
		2.Azolla Beds distribution for the farmers for Vermicomposting.	41300
2	Community (Skill training and Livelihood)	1. Garment Training set up 2. Making decorative lights 3. Support Poultry incubator Machine 4. Support spray painting Machine for the painting Clay Idols. Total	1. 112000 2. 64000 3. 25000 4. 13500 <hr/> 214500
3	Social Development	Digital Literacy – HP Computer Training setup in Wow Bus	512000
4	Health	Organized Health Checkup Camps - 02 Nos	070000
		Total	12,15,800



ESC/CSR activities Photographs

Distribution of Vermicomposting beds to nearby villages



Installation of Thirty number of Biodigester Units in nearby villages



Distribution of Cloth Bags for Environment protection



Community Skill training and Livelihood



Digital Literacy – HP Computer Training setup in World On Wheel Bus



Organized Health Checkup Camps -02 Nos to villagers



DALMIA INSTITUTE OF KNOWLEDGE AND SKILL HARNESSING, KOLHAPUR

About Dalmia Bharat Foundation –

Dalmia Bharat Foundation operates within three key areas – Climate Action (Soil & Water Conservation and access to Clean Energy) Livelihood Skill Training and Social Development. These programs combine in-depth, long-term plans and strategies along with medium and short term initiatives and campaigns. Owing to the great differences across locations, DBF has adopted a flexible, multi-intervention approach that allows programs and people to grow together and sustain each other. The three focus areas have been derived from the felt needs of the community and issues material to the business.



Annexure - 13


NOISE LEVEL MONITORING REPORT



GREEN ENVIROSAFE
Engineers & Consultant Pvt Ltd.

A-25/2-C-11, Cyber City, Tower-9, Chhokri Road, Chhokri MIDC Phase-1, Wagle Estate, Tel. Khed,
Dist. Pune-410001, Maharashtra, India. 9045094630, 9421325421 CIN No.: U74900P12010P170149999
E-mail: enviro@greensafe.com, green@greensafe.com, www.greensafe.com

Recognized by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) and ISO/IEC 17025:2017 (NAS), ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

TEST REPORT				
Test Report No. :-	GESEC/PRO/ANLM/2023-24/08/1063	Report Date	31/08/2023	
Sample ID :-	GESEC/PRO/ANLM/2023-24/08/1063			
Name & Address of the Customer	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurda – Porle, Tal- Panhala, Dist- Kolhapur			
Ambient Noise Sample Details				
Type	Ambient Noise			
Sampling done by	M/s SAHRADE ENVIROSAFE			
Standard method	As Per IS: 9889:2020			
Date of Sampling	Sample Receipt Date	Analysis Start Date	Analysis End Date	
25/08/2023	26/08/2023	26/08/2023	31/08/2023	
Name of Instrument	SE/SM-01	Date of Calibration	04/09/2022	
Calibration Certificate No.	TECH/CAL/2022/09.F/11	Due Date of Calibration	03/09/2023	
Test Location	Unit	Average Noise Level Readings		MPCB Standards dB(A)
		Day	Night	
Near Admin Office	dB(A)	56	45	During Day time = 75 dB (A) During Night time= 70dB(A)
Near Mill House	dB(A)	62	48	
Near Godown	dB(A)	51	47	
Near Distillery Boiler	dB(A)	57	52	
Near Distillery Evaporation Section	dB(A)	58	50	
Remarks:-				
<ul style="list-style-type: none"> > All above noise level results are within Central Pollution Control Board Standards Limit. > Day/Night = 75/70 db. 				
			 Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By	
END OF REPORT			Page 1 of 1	

- Terms and conditions**
1. The report is valid only to the sample tested and not applicable to the bulk.
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 3. The test report cannot be reproduced wholly or in part and cannot be used for advertisement or publicity purpose without the written consent of laboratory. (S&S).
 4. Samples will be retained for a period of seven (07) days after completion of analysis. Longer retention periods can be arranged, on request of the customer.
 5. We strictly maintain the confidentiality of all test result of samples (unless by law) required by customer and not reveal to third party unless required by the statutory or legal requirement.
 6. NABL approved Lab by Govt. of India. From date: 16/02/2022 to 31/03/2025

Fire Fighting & Fire Extinguishers Training and demonstrations

We have conducted the firefighting Training programme and demo of how to use Fire Extinguishers for the employees.



Mock Drills are conducted periodically for employees to test the effectiveness of the training program from time to time and the way to react in case of emergency .



Annexure No 15

ENVIRONMENT STATEMENT FORM V FOR DISTILLERY UNIT



FORM V

(See Rule 14)

Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number
MPCB-ENVIRONMENT_STATEMENT-0000062143

Submitted Date
30-09-2023

PART A

Company Information

Company Name Dalmia Bharat Sugar & Industries Ltd., Distillery Unit, Aaurle-Parle	Application UAN number MPCB- CONSENT-0000144104	
Address Dalmia Bharat Sugar and Industries Limited (Distillery unit) Village Aaurle- Parle, Tehsil Parbhata, District Kolhapur Maharashtra PIN 416229.		
Plot no 1764,1765,1852,1855	Taluka Parbhata	Village Aaurle- Parle,
Capital investment (in lakhs) 967.63	Scale L.S.I	City Aaurle- Parle,
Pincode 416229	Person Name Mr. S.Rangaprasad	Designation Unit Head
Telephone Number 02328236115	Fax Number 02328236115	Email gojare.pavln@dalmiasugar.com
Region SRO-Kolhapur	Industry Category Red	Industry Type R60 Distillery (molasses / grain /yeast based)
Last Environmental statement submitted online	Consent Number	Consent Issue Date
yes	Format 1, B/CAC/UAN No. MPCB- CONSENT- 0000144104 /CR/2211000624	2022-11-11
Consent Valid Upto 2025-08-31	Establishment Year 2015	Date of last environment statement submitted Jan 1 1900 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	Consent Quantity	Actual Quantity	UDM
Rectified Spirit / Extra Neutral Alcohol /Ethanol/ Absolute Alcohol	43000	27432	KL/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UDM
-----------------	------------------	-----------------	-----

Annexure No 15

ENVIRONMENT STATEMENT FORM V FOR SUGAR & COGEN UNIT



FORM V
(See Rule 14)
Environmental Audit Report for the financial Year ending the 31st March 2023

Unique Application Number
MPCB-ENVIRONMENT_STATEMENT-0000061282

Submitted Date
29-09-2023

PART A

Company Information

Company Name Dalmia Bharat Sugar and Industries Ltd ,Sugar Unit ,Asurle -Porle Dist.Kolhapur	Application UAN number MPCB-CONSENT-0000141171	
Address Dalmia Bharat Sugar and Industries Ltd ,Sugar Unit ,Asurle - Porle, Dist. Kolhapur pin - 416229		
Plot no 1746,1748 to 1756	Taluka Panhala	Village ,Asurle - Porle
Capital Investment (In lakhs) 3844.72	Scale LSI	City Asurle - Porle
Pincode 416229	Person Name Mr.S.Rangaprasad	Designation Unit Head
Telephone Number 9130099744	Fax Number 2328236115	Email gojare.pravin@dalmiasugar.com
Region SRO-Kolhapur	Industry Category Red	Industry Type R12 Sugar (excluding Khandsari)
Last Environmental statement submitted online yes	Consent Number Format 1.0/CAC/UAN No. MPCB- CONSENT-0000141171 /CR/2211001043	Consent Issue Date 2022-11-14
Consent Valid Upto 2023-07-31	Establishment Year 2013	Date of last environment statement submitted Jan 1 1900 12:00:00:000AM
Industry Category Primary (STC Code) & Secondary (STC Code)		

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Sugar	437400	116529	MT/A
Electricity	32	23	Mwh

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
Molasses	129600	35751	MT/A
Pressmud	129600	24320	MT/A
Bagasse	939600	252951	MT/A

Newspaper advertisements for accordance of Environmental Clearance



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