

cement! sugar! refractories! power!

DBSIL/ MOEF & CC- EC Comp. /7094 / 2023-24

Date 30. 05.2023

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 Clearance for the period from 1<sup>st</sup> October 2022 to 31<sup>st</sup> March 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 04<sup>th</sup>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 1<sup>st</sup> October 2022 to 31<sup>st</sup> March 2023 for -

1. Expansion of Sugar Mill (From 4800 TCD to 7500 TCD) ans 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.

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 1<sup>st</sup> October 2022 to 31<sup>st</sup> March 2023. C.C to .: The Regional Officer MPCB Kolhapur.

> Dalmia Bharat Sugar and Industries Limited, Sugar Unit - Shri Datta, Asurle - Porle Village - Asurle - Porle, Post - Porle Tarf Thane, Taluka - Panhala, District Kolhapur - 416 229, Maharashtra, India T + 91 2328 236 115 W www.dalmiasugar.com CIN : L15100TN1951PLC000640 Registered Office : Dalmiapuram, Dist. Truchirapalli, Tamil Nadu-621 651, India A Dalmia Bharat Group company, www.dalmiabharat.com

# **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 10thAugust, 2017.
- 3. EC vide letter No. J -11011/305/2016-IA II (I) dated 04thAugust, 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 October 2022 to 31st March 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 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.

#### Period of EC Compliance: From 1st October 2022 to 31st March 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 Clarence 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 for Molasses based Distillery unit (60 KLPD) and no grain based distillery unit shall be operated without prior permission from the ministry.	
ii	Bag filter / ESP along with stack of adequate height shall be provided to Bagasse fired boiler to control particulate emissions within 50 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 desired efficiency.	adequate Stack height and ensured Particulate emissions are within the limit of 50 mg / Nm3. Pollution control systems are interlocked with

	In plant control measures for checking fugitive	<ul> <li>Continuous Online Monitoring System for Stack emissions has already been installed by the company.The Online data is connected to the MPCB &amp; CPCB Server by the company.The photographs of the same have been incorporated as <i>Annexure – 1</i>.</li> <li>Complied</li> </ul>
	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	<ul> <li>Provided necessary control measures for checking fugitive emissions from all the vulnerable sources like:-</li> <li>Water sprinkling system at Bagasse &amp; Coal yard.</li> </ul>
	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.)	<ul> <li>Covered conveyors for transporting Bagasse and for Coal storage.</li> <li>Storage of finished goods in covered sheds. Fugitive emissions are being monitored at Bagasse yard, Distillation House, Cane yard &amp; 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</li> </ul>
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.	Complied. 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.
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. 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.	We uploaded on regular basis the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data on our website. 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. AAQM

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 odour from the distillery unit.	•
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 <sup>3</sup> /day. Prior permission for the drawl of 1250 m <sup>3</sup> /day water shall be obtained from the competent authority and submitted to the MoEF & CC Regional office.	Complied.
ix	Spent Wash generation for Molasses shall not exceed 8 KL/KL of alcohol produced (i.e 480 m <sup>3</sup> per day). The spent wash from molasses based distillery should be concentrated in MEE followed by incineration in incineration boiler to achieve Zero Discharge. Spentlees and condensate water after treatment will be recycled back in process. Spent wash shall be stored in impervious pucca lagoons 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.	<ul> <li>Complied.</li> <li>Spent wash generation from molasses has not exceeded 8 KL/ KL of Alcohol production.</li> <li>The spent wash from molasses based distillery is being concentrated in MEE and incinerated in incineration boiler. Spentlees and condensate water after treatment is being recycled back in to the process and makeup of cooling towers water.</li> <li>No effluent is being / will be discharged outside the distillery plant premises and Zero Effluent Discharge condition is being followed.</li> <li>Impervious RCC lagoon with HDPE lining has been provided, having spent wash storage capacity not more than 5 days. Photographs has been attached as Annexure - 04.</li> </ul>
X	Waste water generation from the sugar unit shall not exceed 100 lit per Ton of crushed that is 750 m3/day. Effluent from sugar unit shall be treated in the Effluent Treatment Plant (ETP). Water quality of treated effluent shall be monitored regularly.	

shall be discharged into river/ natural stream. Domestic effluent shall be treated in Treatment plant.	<ul> <li>3. ETP Flow chart and Photographs of Online monitoring system &amp; ETP has been attached as <i>Annexure-05.</i></li> <li>4. As per the monitoring carried out by MPCB treated effluent quality found to be within the limits prescribed in consent granted by MPCB.</li> <li>5.Domestic Effluent is being treated in Septic tank &amp; Soak pits and reused for gardening.No any no waste water/ treated effluent shall be discharged into river/ natural stream.</li> </ul>
<ul> <li>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.</li> <li>xii As proposed, no effluent from Sugar, Distillery and Co-generation Power Plant shall be discharged outside the premises and Zero Effluent Discharge conceptshall be followed.</li> </ul>	<ul> <li>No ground water withdrawal in the plant premises.</li> <li>Installation of modern integrated Evaporation (MEE) system followed by Incinerator Boiler to consume all generated spent wash. Hence no spillage is ensured.</li> <li>Construction of pucca RCC lagoon in sugar plant for avoiding any spillage.</li> <li>Ground water analysis report of Well water sample collected nearby the plant is attached as . Annexure 6.</li> <li>Treated effluent from Sugar Plant is used in</li> </ul>

xiii	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.	<ul> <li>Sugar Plant is a seasonal industry and does not operate in rainy season.</li> <li>Storage of Bagasse is maintained scientifically with the adoption of water sprinkling system</li> </ul>
xiv	Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for the fire fighting shall be made to control fire from the alcohol storage tank.	Complied. Full-fledged fire fighting / Fire Hydrant system is installed to cover complete Distillery, Sugar & Co-generation power plant.Photographs has been attached as <b>Annexure - 08</b> .
XV	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.	Complied. 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.
xvi	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.	Company regularly conducts Occupational Health surveillance programme once in year for all the employees .First Aid facilities in the Occupational Health centre is available with trained
xvii	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.	Complied. 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

xviii xix	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. All the commitment made the during the public hearing/ public consultation meeting held on 30 <sup>th</sup> July 2014 should be satisfactorily implemented and adequate budget provision should be made accordingly.	Complied Out of the total plant area of 34.9 Ha, 11.53 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.Photographs has been attached as <b>Annexure - 11</b> . Complied Public Hearing issues are compiled.
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 ministries regional office at Bhopal. Implementation of such program should be insured accordingly in a time bound manner.	Complied 5 % of the total cost of the project is 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 1 <sup>st</sup> October 2022 to 31 <sup>st</sup> March2023 is Rs 3030706 /- The Photographs & details are attached as Annexure-12.
xxi	Provision shall be made for the housing for the construction labour 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.	
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 <b>Annexure No. 03</b>
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 <b>Annexure</b> <b>No. 03</b>
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 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 undertaken 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 <b>Annexure No.14.</b>
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 spentwash.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.	5 % of the total cost of the project shall be earmarked towards the Enterprise Social
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 Parisad/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, 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.	compliance reports along with monitoring results to the concerned authorities, and same will also be

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 31st 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 <b>Annexure – 17.</b>
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.	
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.	
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) ans 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 Clarence No.J-11011/305/2016-IA II (I) dated 10<sup>th</sup> 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	A.Specific Conditions	Compliance Status
i	All the conditions of the existing Environmental Clearance shall befollowed	Complied
ii	10 Meter wide green belt of perennial trees around periphery of the plant shall be provided.	Complied .The company has maintained 10 Meters wide greenbelt of perennial trees around the periphery of the plant. Photographs showing latest and old greenbelt development is attached as <b>Annexure 11.</b>
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 33.5% 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 under taken under ESC activities:	<ul> <li>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.</li> <li>Socio- Economic development activities being carried out by the company along with the expenditure incurred attached as <i>Annexure-12</i>.</li> <li>Expenditures on ESC activities during the Period 1<sup>st</sup> October 2022 to 31<sup>st</sup> March2023 is Rs 3030706 /- The Photographs &amp; details are attached as <i>Annexure-12</i>.</li> </ul>
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 <i>Annexure -12</i> .

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 in 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 (24 x7) 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 <b>Annexure -01.</b>
X	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.	As a part of Risk Assessment & Management, the unit has made arrangements for protection of possible Fire hazards. Fire fighting / 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
В	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 <b>Annexure No. 03</b>
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).	Acoustic enclosures have been provided. Noise level monitoring during day and night time was carried out and the reports have been attached as <i>Annexure 13.</i>
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 undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	•

viii	The company shall also comply with all the	Completed
	environmental protection measures and safeguards proposed in the documents submitted to theMinistry. 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.	<ul> <li>ESP has been provided for the stack of Co-gen plant and Incineration Boiler.MEE has been provided for reducing the spentwash.</li> <li>Effluent Treatment Plant with Online Effluent Quality Monitoring System is in place.</li> <li>Green belt has been developed Water sprinkle system has been provided for controlling the fugitive emissions.</li> <li>Air Cooled condensers have been provided for reducing the water requirement.</li> <li>Regular Environmental quality monitoring is being done.</li> </ul>
ix	The company shall undertake all relevant measures for improving the Socio economicconditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Completed An amount of Rs. <b>3030706</b> /- has been spent towards CSR activities during <b>1<sup>st</sup> October 2022 to</b> <b>31<sup>st</sup> March2023</b> . Details attached as <b>Annexure</b> - <b>12.</b>
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 Parisad/Municipal corporation Urban Local Body & the local NGO hasbeen 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, 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 <sup>st</sup> 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 <b>Annexure – 15.</b>
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 <i>Annexure – 16.</i>
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 <b>Annexure</b> – <b>15</b> .
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 Programme (EBP).	
ii	submitted to the Ministry. All the recommendations made in the EIA / EMP in respect of Environmental management, Risk	All the Environmental protection measures and safeguards proposed in the documents submitted to the Ministry are implemented .
	mitigation measures and public hearing relating to the project shall be implemented.	

111	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	The plant is completely based on Zero Liquid Discharge system (ZLD). All the effluent generated in the plant is treat and reused in process .No discharge of any wa or treated water outside the plant premise 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 is to 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 agreement copy have been attached as <b>Annexure 17</b> .		
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 .		
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 programme once in year for all the employees & First Aid facilities in the occupational health centre 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 been attached as <i>Annexure 14.</i>		

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.	Full-fledged fire fighting system is installed to cover complete Distillery, Sugar & Co-generation power plant.
х	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	<ul> <li>The company shall undertake waste minimization measures as below</li> <li>(a) Metering and control of quantities of active ingredients to minimize waste;</li> <li>(b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes.</li> <li>(c) Use of automated filling to minimize spillage.</li> <li>(d) Use of Close Feed system into batch reactors.</li> <li>(e) Venting equipment through vapour recovery system.</li> <li>(f) Use of high pressure hoses for equipment clearing to reduce waste water generation</li> </ul>	
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. Select:ion 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.	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 <b>Annexure 11</b> . Out of the total plant area of 34.9 Ha, 11.69 Ha
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	Complied A plan is carried out in consultation with loca bodies to understand the local needs and accordingly CSR expenditures are attached as <i>Annexure 12 a</i> nd Photographs of CSR Activity have been attached as <i>Annexure 12</i> .

xiv	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. 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.	
xv	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	be allowed outside on public places. Complied Storage of finished goods in covered sheds to prevent dust pollution and other fugitive emissions.
xvi	installed for measurement of flue gas discharge and the pollutants	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
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.	We have established the separate Environmental Management Cell with qualified persons in Environmental Science / Environmental Engineering / specialization.
В	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	No further expansion or modifications in the plant shall be carried out without prior approval of the

ii	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. The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment	Complied
	betterment. 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. en all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (Protection) Act, 1986 Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	equipments. Noise level monitoring during day and night time is carried out and been attached as <i>Annexure 13.</i>
iv	The company shall undertake all relevant measures for improving the socio-economic 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.	<ul> <li>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.</li> <li>Socio-economic development activities being carried out by the company along with the expenditure incurred as <b>Annexure-12</b>.</li> </ul>
V	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.	protection measures are kept in a separate account and never spend on other purposes.

	A convert the electronic letter shall be cont by	Complied
vi	A copy of the clearance letter shall be sent by the project proponent to concerned	Complied
	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.	
vii	The project proponent shall inform the public	Complied
	that the project has been accorded	We have already published the accordance of
	environmental clearance by the Ministry	
	and copies of the clearance letter are	
	available with the SPCB/Committee and	newspapers. Times Of India in English and Daily
	may also be seen at Website of the Ministry	Sakal & Daily Lockmat "in Marathi on dated
	at http://moef.nic.in. This shall be	18.08.2021 .The advertisement copies are
	advertised within seven days from the date	attached as <b>Annexure – 16.</b>
	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.	
viii	The environmental statement for each	We are submitting regularly six monthly
	financial year ending 31st March in Form-V	compliance reports along with monitoring results
	as is mandated shall be submitted to the	to the concerned authorities, and same will also
	concerned State Pollution Control Board as	be posted on the website of the company.
	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.	
ix	The project proponent shall inform the	
	public that the project has been accorded	Panchayat, Zila Parisad/Municipal corporation
	environmental clearance by the	Urban Local Body & the local NGO has been
	Ministry and copies of the clearance	submitted.
	letter are available with the	We have already published the accordance of
	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	
		allacheu as Annexule - 10.
	two local newspapers that are widely	
1	circulated in the region of which one shall	
	_	
	be in the vernacular language of the locality	
	be in the vernacular language of the locality concerned and a copy of the same shall be	
	be in the vernacular language of the locality	

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.	, report for each financial year on 31st Marc I Form-V to the Maharashtra Pollution Contr Board as prescribed under the Environme			
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-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 & 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, **GREEN ENVIROSAFE** Village Nichole, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421385421 CIN No. : U74900PN2013PTC149866 Engineers & Consultant Pvt Ltd. E-mail: environsafetyeng@gmail.com, gesec12@gmail.com Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) ISO 9001:2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company TEST REPORT **Test Report No** GESEC/PRO/ST/2022-23/12/181 16/12/2022 Report Date Sample ID -GESEC/PRO/ST/2022-23/12/181 Dalmia Bharat Sugar & Industries Ltd. Name & Address of the A/p- Asurle - Porle, Tal- Panhala, Customer Dist-Kolhapur. Sample Details Date of Sampling Sample Receipt Date **Analysis End Date Analysis Start Date** 09/12/2022 10/12/2022 10/12/2022 16/12/2022 Instrument Details Name of Instrument SE/SMK-02 24/12/2021 **Date of Calibration Calibration Certificate No.** TECH/CAL/2021/695/1/2/3/4/5 23/12/2022 **Due Date of Calibration** Stack Details Stack No/ID Stack Attached to Sampling done by 02 Co- Gen 120 TPH M/s SAHYADRI ENVIROCARE Shape Round Fuel Used Bagasse 760 Diameter/ Dimensions (m) 3.8 Pressure Height (m) 75 Velocity (m/s) 5.3 Temperature ( °C) 137 156884 Gas Volume (Nm<sup>3</sup>) Parameters Method Unit Limit Result IS 11255 (Part 1) 2019 Mg/Nm<sup>3</sup> **Total Particulate Matter** 150 40 IS 11255 (Part 2) 2019 Kg/Hr Sulphur Dioxide (SO<sub>2</sub>) 226 11.5 Remarks-All above results are well within MPCB Limit. Þ **BDL- Below Detectable limit.** andi GREEN ENVIS Mr. Vinod Hande (Technical Manager) **Reviewed & Authorized By** Sultant Pat \*\*\*END OF REPORT\*\*\* 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 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. (075FC 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. (075FC 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. Samples will be retained for a period of all set result of sample(s) collected by us? supplied by customer and not revel to third party unless required by the staff. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory 5. or legal requirement. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024. 6 Page 1 of 1



# GREEN ENVIROSAFE

A #2/C 11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob + 9545084620, 8421365421 CIN No. : U74900PN2013PTC149600 E-mail: environsatetyeng@gmail.com, gesec12@gmail.com

Recognised by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) 80 9601: 2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

	TES	T REPOR	т			
Test Report No	GESEC/PRO/ST/2022-2	3/12/182	Rep	ort Date	16/12/2022	
Sample ID -	GESEC/PRO/ST/2022-23					
Name & Address of the Customer	Dalmia Bharat Sugar & A/p- Asurle – Porle, Tal- Dist- Kolhapur.					
	Sam	ple Deta	lls			
Date of Sampling	Sample Receipt Date		Analysis Start	Date	Analysis End Date	
09/12/2022	10/12/2022	1	10/12/2023	2	16/12/2022	
	Instru	ment De	talls			
Name of Instrument	SE/SMK-02		Date of (	alibration	24/12/2021	
Calibration Certificate No.	TECH/CAL/2021/695/1/2	2/3/4/5	Due Date o	f Calibration	23/12/2022	
the second state	Sta	ack Detai	15			
Stack No/ID	Stack A	ttached	to		Sampling done by	
03	40 TH	PH Sugar		M/s	SAHYADRI ENVIROCARE	
Shape	Round		Fuel Used		Bagasse	
Diameter/ Dimensions ( m)	2.3		Pressure	760 -		
Height ( m)	75					
Temperature ( <sup>0</sup> C)	132		Velocity ( m,	/s) 5.6	;	
Gas Volume (Nm <sup>3</sup> )	61476					
Parameters	Method	Uni		Limit	Result	
Total Particulate Matter	IS 11255 (Part 1) 2019	Mg/N	lm²	150	36	
Sulphur Dioxide (SO2)	IS 11255 (Part 2) 2019	Kg/I	łr	157	7.85	
Remarks- > All above results an > BDL- Below Detect	re well within MPCB Limi able limit.	· (Internet	QEEN ENL PUNE PUNE Consultant PV	SAFE	Mr. Vinod Han (Technical Manage Reviewed & Authorized	
	***ENC	O OF REPO	ORT***			
	***ENC					
Terms and conditions The report is refer only to the sample tester The results shown in this test report may di The test report cannot be reproduced whol	iffer based on various factors including liv or in part and cannot be used for pro	Longer rete	ntion periods can be	arranged, on reques	IS OT THE CODEDITIES	
The report is refer only to the sample tester	(ffer based on various factors including ly or in part and cannot be used for pre- ren (7) days after completion of analysis all test result of sample(s) collected by	Longer rete	ntion periods can be	arranged, on reques	IS OT THE COOLDINES.	

# Stack Monitoring Report -Distillery Boiler





GREEN ENVIROSAFE

A-%2/C-11, Capital City, Talwade - Chakan Road, Chekan MIDC, PH-IV, Village Nighoje, Tal. Khed, Diat. Pune 410 501, Maharashtra. Mob + 9545084620, 8421365421 - CIN No. - U74900PN2013PTC149666 E-mail - environsafetyeng@gmail.com, gesec12@gmail.com

Recognized by Ministry of Environment and Forests (MoEF) / Central Pollution Control Board Govt. of India (CPCB) ISO 3001.2015, ISO 45001 : 2018 and ISO 14001 : 2015 Certified Company

		EST REPOR					
Test Report No Sample ID -	GESEC/PRO/ST/2022-	23/12/180	Rej	oort Date		16/12/2022	
A CONTRACTOR OF A CONTRACTOR O	GESEC/PRO/ST/2022-						
Name & Address of the Customer	A/p- Asurle – Porle, Ta Dist- Kolhapur,	Dalmia Bharat Sugar & Industries Ltd. A/p- Asurie – Porie, Tal- Panhala, Dist- Kolhapur.					
	Sa	Sample Details					
Date of Sampling	Sample Receipt Dat	Date Analysis Start Date		Date	ate Analysis I		
09/12/2022	10/12/2022		10/12/202	And and the second s	16/12/2022		
	Instr	ument Det	the state of the s				
Name of Instrument	SE/SMK-02		Date of	Calibration		24/12/2021	
Calibration Certificate No.	TECH/CAL/2021/695/1,	/2/3/4/5	Due Date	of Calibrati	on	23/12/2022	
		ack Details	1				
Stack No/ID	Stack	Attached to	,		Samp	ling done by	
01	Boiler – 2	6 TPH Disti	lery	N		DRI ENVIROCARE	
Shape	Round		Fuel Used		and the second	Wash / Coal	
Diameter/ Dimensions ( m)	2.5		Pressure	760	1		
Height ( m)	62	1		- J.	-		
Temperature ( <sup>o</sup> C)	124		Velocity ( m	/s)	5.8		
Gas Volume (Nm <sup>3</sup> )	76742						
Parameters	Method	Unit		Limit	Limit		
Total Particulate Matter	IS 11255 (Part 1) 2019	Mg/Nn	13	150		32	
Sulphur Dioxide (SO <sub>2</sub> )	IS 11255 (Part 2) 2019	Kg/Hr		40		3.7	
Remarks-	e well within MPCB Limi						
a constances and		Contraction of the second	PUNE	-f	Aver (	Mr. Vinod Hand Technical Manage red & Authorized F	
Terms and conditions port is refer only to the sample tested and not suits shown in this test report may differ base	d an undate factors including tempera	ture humidity		n time etc.			
sorts anown in this test report may direr base streport cannot be reproduced wholly or in p les will be retained for a period of seven (7) da ricitly maintain the confidentiality of all test re- al requirement. approved Lab by Govt. of India. From date. 16	suit of sample(s) collected by us/ supp		r and not revel to		the customer. ss required by	the statutory	

# Photographs Showing Fugitive Emission Control Measures



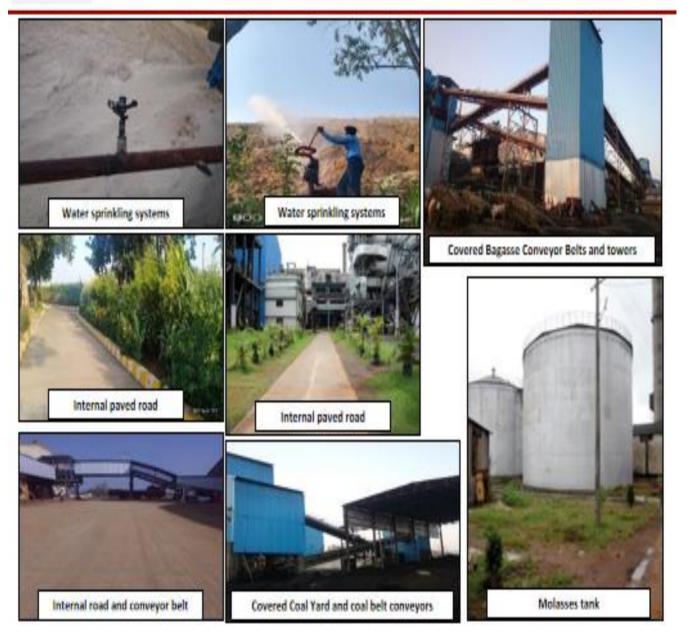


#### **Photographs Showing Fugitive Emission Control Measures**



# AIR QUALITY MANAGEMENT





#### Ambient Air Quality Monitoring Reports



**GREEN ENVIROSAFE** Engineers & Consultant Pvt Ltd. A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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

	TEST REPO	DRT				
Test Report No: -	GESEC/PRO/AAQM/2022-		77			
Sample ID: -	GESEC/PRO/AAQM/2022- GESEC/PRO/AAQM/2022-	and the second second	2011 C	Report Date	16/12/2022	
Name & Address of the Customer	Dalmia Bharat Sugar & Ind A/p- Asurle – Porle, Tal- Pa Dist- Kolhapur.		Ltd. ''			
	Ambient Air Sam	ole Deta	ils			
Туре	Sampling Locat	Sampling Location		Sampling done by		
Ambient Àir					ADRI ENVIROCARE	
	Sampling Ti	ime				
Start Time		p Time			Total Hrs.	
09.50 hrs.	17.	50 hrs.			8 Hrs.	
	Metrological Data/Environ	mental	Conditio	ns		
Ambient Temperature °C	27	Wet B	Bulb Tem	perature <sup>oC</sup>	19	
Dry Bulb Temperature <sup>oC</sup>	27	Relat	tive Humidity % RH		45	
Date of Sampling	Sample Receipt Date		Analysi	s Start Date	Analysis End Date	
09/12/2022	10/12/2022		10/	12/2022	16/12/2022	
Name of Instrument	AFDS – SE/ADS-01		Date	of Calibration	04/09/2022	
<b>Calibration Certificate No.</b>	TECH/CAL/2022/09.F/01/02/0	3/04	Due Da	te of Calibratio	n 03/09/2023	
Name of Instrument	HVS- SE/HVS-01	10	Date	of Calibration	04/09/2022	
Calibration Certificate No.	TECH/CAL/2022/09.F/05/0	6	Due Da	te of Calibratio	n 03/09/2023	
Parameters	Method		Unit	NAAQ Standar	Bocult	
Sulphur Dioxide (SO2)	IS:5182 (PART 2):2017		$\mu g/m^3$	≤ 80	14.3	
Nitrogen Dioxide (NO2)	IS:5182 (PART 6):2018		µg/m <sup>3</sup>	≤ 80	25.7	
Particulate Matter PM10	IS:5182 (PART 4):2019	14	$\mu g/m^3$	≤ 100	67	
Particulate Matter PM <sub>2.5</sub>	IS:5182 (PART 24):2019		µg/m <sup>3</sup>	≤ 60	31	
Remark-	ts are within National Ambient	Air Qu	ality sta	ndards.		
	THE STATE	PUNE	OSNEE . PA	P	Mr. Vinod Handd (Technical Manager ewed & Authorized By	

Terms and conditions

1. 2. 3.

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 revel to third party unless required by the statutory or legal conjugament. 5. or legal requirement. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

6.

Page 1 of 1

### **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-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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

	TEST REPO	RT			
Test Report No: -	GESEC/PRO/AAQM/2022-2	23/12/178			
Sample ID: -	GESEC/PRO/AAQM/2022-2	23/12/178	Report Date	16/12/2022	
Name & Address of the Customer	Dalmia Bharat Sugar & Ind A/p- Asurle – Porle, Tal- Par Dist- Kolhapur.	ustries Ltd. nhala,			
	Ambient Air Samp	le Details			
Туре	Sampling Locati	on	Samp	ling done by	
Ambient Air	Near Main Gate (Dis	tillery)		DRI ENVIROCARE	
5	Sampling Ti	me			
Start Time	Stor	Time		Total Hrs.	
10.00 hrs.	18.	0 hrs.		8 Hrs.	
	Metrological Data/Environ	mental Condit	lions		
Ambient Temperature °C	28	the second s	emperature <sup>oC</sup>	19	
Dry Bulb Temperature °C	. 28	Relative Hu	umidity % RH	41	
Date of Sampling	Sample Receipt Date	Analy	/sis Start Date	Analysis End Date	
09/12/2022	10/12/2022		0/12/2022	16/12/2022	
Name of Instrument	AFDS – SE/ADS-02	Da	te of Calibration	04/09/2022	
Calibration Certificate No.	TECH/CAL/2022/09.F/13/14/15		Date of Calibration		
Name of Instrument	HVS- SE/HVS-02		te of Calibration	04/09/2022	
Calibration Certificate No.	TECH/CAL/2022/09.F/07/08		Date of Calibration		
Parameters	Method	Unit	NAAQ Standard	ls Result	
ulphur Dioxide (SO <sub>2</sub> )	IS:5182 (PART 2):2017	μg/m	3 ≤ 80	15.4	
itrogen Dioxide (NO <sub>2</sub> )	IS:5182 (PART 6):2018	μg/m <sup>3</sup>	3 ≤ 80	27.1	
articulate Matter PM10	IS:5182 (PART 4):2019	μg/m <sup>3</sup>		79	
articulate Matter PM2.5	IS:5182 (PART 24):2019	μg/m <sup>3</sup>		40	

Quality standards

PUNE PUNE PUNE m fd. \*\*\*END OF BEPORT \*\*\* 25 & Consultan

lande. Mr. Vinod Hande (Technical Manager) **Reviewed & Authorized By** 

Terms and conditions

1

2. 3. 4.

5.

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 revel to third party unless required by the statutory or legal requirement. or legal requirement. MoEF approved Lab by Govt. of India. From date. 16/02/2022 to 29/02/2024.

6.

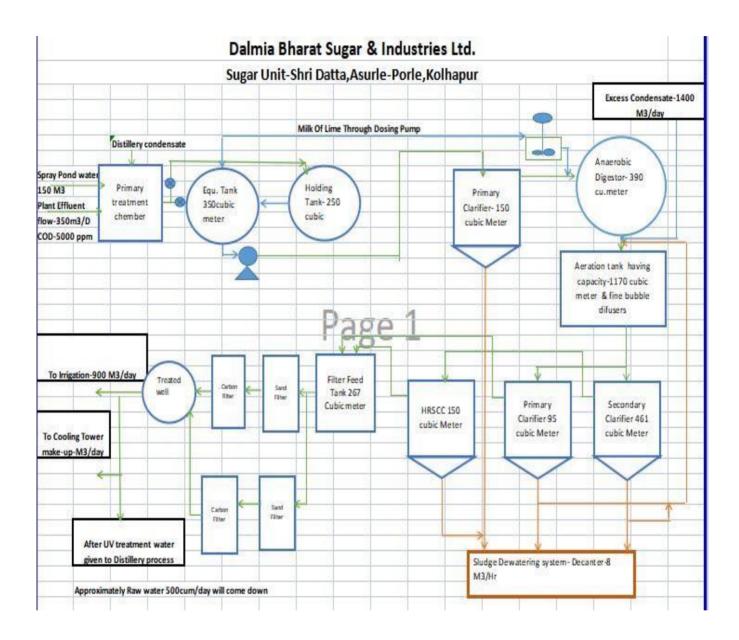
Page 1 of 1

## Annexure No. 04 Five days RCC Spent wash storage tank at Distillery



# Condensate Polishing Unit & Effluent Treatment Plant





# **CPU and EFFLUENT TREATMENT PLANT**









# **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**



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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

	TEST REF	PORT			
Test Report No: GESEC/PRO/WW/2022-23/12/184	Report Date			16/12/2022	
Sample ID : GESEC/PRO/WW/2022-23/12/184	Sample Details			ETP Outlet	
Name and Address Of the Customer:	Type of Sample			Treated Water	
M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle – Porle, Tal- Panhala,	Volume Of Sample			1 Lit plastic bottle	
Dist- Kolhapur.	Sample Status			Sealed	
	Sample Collected By			M/s SAHYADRI ENVIROCARE	
	Date of Sample Collection			09/12/2022	
	Sample Receipt Date			10/12/2022	
	Analysis start Date			10/12/2022	
	Analysis End Date			16/12/2022	
Parameters	Results	MPCB Limit	Unit	Standard Method	
Parameters	Results		Unit		
		Limit			
рН	6.8	Limit 5.5-9.0		APHA 4500 H+,B 23rd Edition.2017	
oH Suspended Solid	6.8	Limit 5.5-9.0 <100	 mg/l	APHA 4500 H+,B 23rd Edition.2017 APHA 2540 D 23 <sup>rd</sup> ED:2017	
oH Suspended Solid Fotal Dissolved Solid	6.8 63 1470	Limit 5.5-9.0 <100 <2100	mg/l	APHA 4500 H+,B 23rd Edition.2017 APHA 2540 D 23 <sup>rd</sup> ED:2017 APHA 2540,C,23rd Edition, 2017	
oH Suspended Solid Fotal Dissolved Solid Chemical Oxygen Demand (COD)	6.8 63 1470 185	Limit 5.5-9.0 <100 <2100 <250	 mg/l mg/l	APHA 4500 H+,B 23rd Edition.2017 APHA 2540 D 23 <sup>rd</sup> ED:2017 APHA 2540,C,23rd Edition, 2017 IS 3025 (Part 58) , 2019	
oH Suspended Solid Fotal Dissolved Solid Chemical Oxygen Demand (COD) Biological Oxygen Demand (BOD) at 27°C for 3 days	6.8 63 1470 185 61	Limit 5.5-9.0 <100 <2100 <250 <100	 mg/l mg/l mg/l mg/l	APHA 4500 H+,B 23rd Edition.2017 APHA 2540 D 23 <sup>rd</sup> ED:2017 APHA 2540,C,23rd Edition, 2017 IS 3025 (Part 58) , 2019 IS 3025 (Part 44), 2019	

D All parameters are within the MPCB limit.



je. ar Mr. Vinod Hande (Technical Manager) Reviewed & Authorized By

#### Terms and conditions

- 1. 2.
- The report is refer only to the sample tested and not applies to the bulk. 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. 3.
- 5. We strictly maintain the confidentiality of all test result of sample(s) collected by us/ supplied by customer and not revel 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. 6.

Page 1 of 1

### **Ground water Analysis report**

#### Annexure No. 06

#### MAHARASHTRA POLLUTION CONTROL BOARD

Phone : 02355-261970 Fax : -Email : mpcbchiplunlab@mpcb.gov.in Website : http://mpcb.gov.in



#### Regional Laboratory

Regional Laboratory, Chiplun, Maharashtra Pollution Control Board, 105,106 Parkar Complex, 1st Floor, Behind Nagar Parishad, Chiplun, Dist. Ratnagiri. 415 605

#### Repot Outward No.: MPCB/RL-Chiplun/Environment/22-23/01/128Date: 20/01/2023 05:02 PM

#### Analysis Report-Water (Environment)

Client/Industry/location Name & Address

Well water sample of G.P. well

Sample Details				
Field Sample ID :	BR-0038163			
Laboratory Sample Code :	MPCB/RL-Chiplun/ENV/22-23/445			
Sample Details (Water/Air/HW) :	Water			
Sample Volume Received :				
Sample Collected By :	FO-kolhapur(Shri. Sachin. Harbad) (SRO-Kolhapur)			
Seal No. :	318			
Type of Industry / Location details :				
Sample Collected On :	Dec 28 2022 01:25:00:000PM			

Sr.No	Parameter	Result	Unit	Method of analysis
1	рН	7.4		
2	Total Dissolved Solids(TDS)	1840.0	mg/l	
3	Suspended Solids ( SS )	13.0	mg/l	
4	Total Alkalinity	216.0	mg/l	
5	Biochemical Oxygen Demand (BOD)	3.0	mg/l	
6	Chloride	242.67	mg/l	
7	Chemical Oxygen Demand (COD)	35.2	mg/l	
8	Hardness (total)	1240.00	mg/l	
9	Nitrate Nitrogen	0.76	mg/l	
10	Sulphate	267.00	mg/l	
11	Total Kjeldahl Nitrogen (TKN)	8.40	mg/l	
12	Oil & Grease	BDL	mg/l	

Report Type: final

Report generated on: 20/01/2023 05:03 PM

Complied & Approved by: Anil N Sandansing

Reviewed on Date: 20/01/2023 05:02

### \* Electronic report does not require signature

### AnnexureNo. 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



### Annexure- 09

### Petrolium & Explosive Dept.

Wirk arter Government of India stifford arts grith mange Ministry of Commerce & Industry Petroloum & Espatiants (PESO) Petroloum & Espatiants At & A2 using, 5th Floor, C.C.O. L complex, CEB Belapur, Navi Mumbal (M.S.), Mumbal - 40014 E-Indi. [ocentrumbal@explosives.gov.in ProveFax No: 822 - 22375841.27573881	मन्त्र ४४ (प्रथम अनुस्वेत क अप्रिक देखिए) (Softw KW (see Article & of the KW (see Article & data at at stateware के लिए अनुसचित LACENCE To MOW ON A MOS TOTAL AT AN AN ANT ALLATION
市田川 No.: P/WC/MH/15/2394 (P384291) 信用単の11/2021	अनुव्यति सं. (Licence No.) : PMICMMV152394(P384291) जीश रूपए (Fee Rs.) 50000- per vear
해외 가능, PAVCIMH152034 (P344291) 단국 (P344291) T3440) T3440 Handral T341 T341 T341 T341 T341 T341 T341 T341	해양하여 (E.Goods No.) 전체 (CAMPAGE249-24347) 전체 전체 (Park Review Park Review Park Review Review Park Review R
2012 के अप्रैल समार प्रमुख नियम 148 में दी लई प्रक्रिया जा कहाई में वालन बने । अनुसारि के नवीकरण तेनु कास्त central की अनुसारि को कैपता साराय होने की सिंहि के बात के बात 30 देन पूर्व fo JL. Chief Controller of Explosives, West Circle, Mumbal, so as to reach his वार्थिय में प्रमुख होने Preses follow the protodow strictly as laid down in dia 140 the Petroleum Rules, 2002 and submit complete downers for the Reveaul of no isolance to JL. Chief Controller of Explosives, West Circle, Mumbal, so as to reach his office on or before the date on which Licence explore. grant unal दे! Preses activated/ogs the receipt.	이 이 것을 이 있다. 아이지 아이지 아이지 지지 A compared that in those Net. 이 정 것 것 같 한 한 아이지 아이지 아이지 아이지 아이지 않는 것 하는 아이지
मारदीय (Yours faithfully,	August 28, 2020 For JL Chief Controller of Explosives
(জনক বিশ্ব দীন্দ) (Kana Saiph Manai) যুৱ বিশ্ববাহি নিয়েজ Dip Controlled of Explosives বুৱ ন্যত্ত্ব্য (কোনের সির্বায় দিন্দ্র কোনের বিশ্ব নির্বাহ করিলে বি বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব (পরিদ ভালকার্শ বিষ্ণ একিং কা নির্বাহ পুরু করে এবে বিলে বি বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব (পরিদ ভালকার্শ বিষ্ণ একিং কা নির্বাহ পুরু করে এবে বিলে বি বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব বিশ্ব (পরিদ ভালকার্শ বিষ্ণ একিং কা নির্বাহ পুরু করে এবে বিলে বি বিশ্ব বিশ্য	Part due Callebrate With Manual 1) Annochment dated - 100110021 Support think in them after after agent DESCRIPTION AND LOCATION OF THE LUCHRED FRAME DESCRIPTION OF THE LUCHRED FRAME DESCRIPTION AND LOCATION OF THE LUCHRED FRAME DESCRIPTION AND LOCATION OF THE LUCHRED FRAME DESCRIPTION OF TH
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### Health Checkup Report

#### Annexure No.10



Date 19/01/2023 O.W.No.198/01/2023

#### MEDICAL CERTIFICATE

This is to certify that **Mr.Kashinath Shrikant Talekar**, Age 42 Yrs, Male (AH No.200438029) 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.AVINASH KUMBHAR MBBS, DNB (FAMILY MEDICINE)

Dr.Avinash Kumbhar M.B.B.S. D.N.B. (Family Medicin Reg.No. 2006/11/3395

10

THIS CERTIFICATE ISSUED ON THE WRITTEN REQUEST OF THE APPLICANT FOR THE PURPOSE OF OFFICE SUBMISSION. THIS CERTIFICATE IS NOT MEANT FOR ANY OTHER PURPOSE AND FOR JUDICIL/ EXECUTIVE MATTERS.

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 LABS We'll Treat You Well



# TEST REPORT

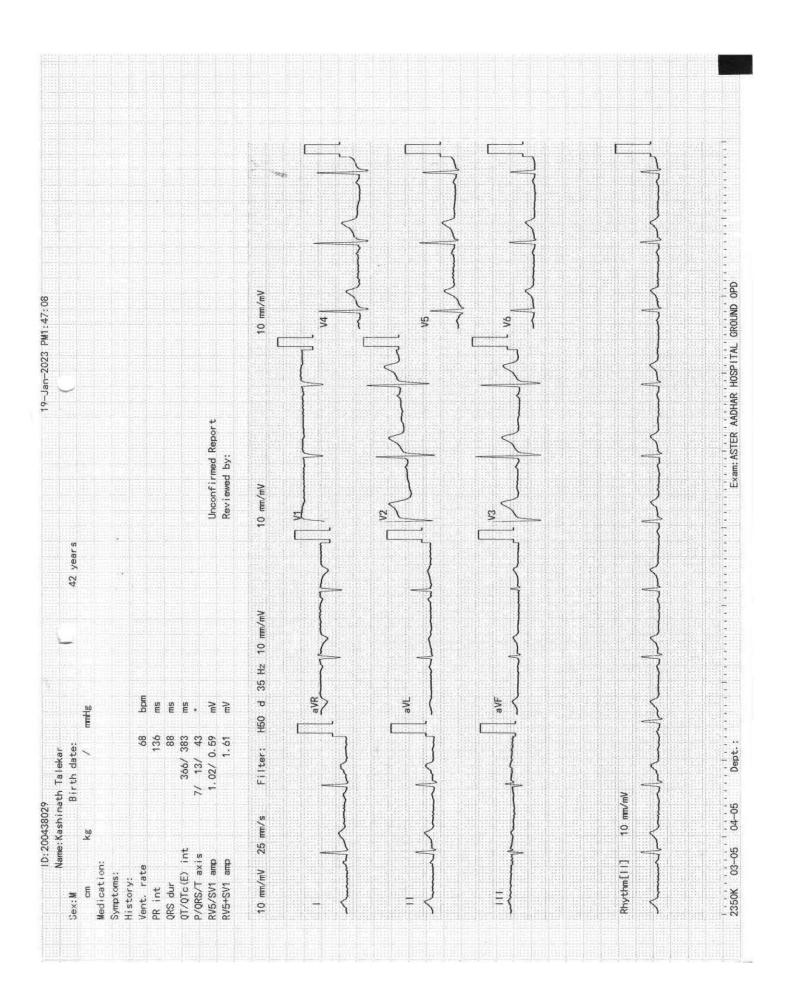
Lab. Id	: AH540294 Hos	p. UHID : 200438029	Reg. Date	: 19-Jan-2023 / 10:06 AM
Name	: MR. KASHINATH SHRIKAN	T TALEKAR	Collection	: 19-Jan-2023 / 10:39 AM
Age/Gender	42Y-9M-17D / Male		Received	: 19-Jan-2023 / 10:39 AM
Collected At	Aster Aadhar Hospital		Report	: 19-Jan-2023 / 13:01 PM
Referral Dr	Dr.AVINASH KUMBHAR	Report Status : Final	Print	: 19-Jan-2023 / 13:15 PM
Bed	OPD			

Investigation	Result	Unit	<b>Biological Ref. Interval</b>	Specimen
URINE ROUTINE EXAM PHYSICAL EXAMINATIO				
Color Method:Manual	Pale yellow			Spot urine
pH-Urine Method:Chemical Indicator	6.0		4.5 - 8.0	Spot urine
Specific Gravity Urine Method:Chemical Indicator	1.015		1.001-1.030	Spot urine
Transparency Method:Manual	Clear		Clear	Spot urine
Volume (ml) Method Manual	10	ml		Spot urine
CHEMICAL EXAMINATI	ION			
Proteins Method:Tetrabromophenol blue	Negative		Negative	Spot urine
Glucose Method:Enzyme (GOD POD)	Negative		Negative	Spot urine
Ketones Method:Legals Test	Negative		Negative	Spot urine
Bile Salts Method:Hays sulphur test	Absent			Spot urine
Bile Pigments Method:Fouchets	Absent			Spot urine
Urobilinogen Method:Diazonium Salt	Normal		Normal	Spot urine
Nitrite Method:Diazo	Negative		Absent	Spot urine
MICROSCOPIC EXAMIN	NATION			
Pus cells Method:Microscopy	Negative	/hpf	0-5	Spot urine
RBC Method:Microscopy	00	/hpf	0-2	Spot urine
Epithelial Cells Method:Microscopy	00	/hpf	0-5	Spot urine
Casts Method:Microscopy	Absent		Absent	Spot urine
Crystals	Absent		Absent	Spot urine
Amorphous debris	Absent		Absent	Spot urine
Bacteria Yeast Cells	Absent Absent		0-50 /hpf	Spot urine

Verified By: 103748

)

Aster Clinical Lab- Aadhar, Hospital, Near, R. S. No. 628, 'B' Ward, Shastri Nagar, Kolhapur, Maharashtra





#### PATIENT NAME: KASHINATH TALEKAR REF DR : DR. AVINASH KUMBHAR AH.NO : 200438029

#### AGE: 42 YRS / OPD DATE: 19/01/2023

#### 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 MD(Radiology)

Dr. Ankita Singhania Dhone MD( Radiology)

COLOUR DOPPLER

INTERVENTIONAL PROCEDURES

I DIGITAL X-RAY ROUTINE & OBSTRETIC USG

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

**I** CONVENTIONAL PROCEDURES

MULTI SLICE CT SCAN INT 24 Hours Emergency Service Available. Free Ambulance for CT Scan of IPD Patients





#### **TEST REPORT**

-				
Lab. Id	: AH540295 Hos	sp. UHID : 200438029	Reg. Date	: 19-Jan-2023 / 10:06 AM
Name	: MR. KASHINATH SHRIKAN	IT TALEKAR	Collection	: 19-Jan-2023 / 10:39 AM
Age/Gender	: 42Y-9M-17D / Male		Received	: 19-Jan-2023 / 10:39 AM
Collected At	: Aster Aadhar Hospital		Report	: 19-Jan-2023 / 11:14 AM
Referral Dr	: Dr.AVINASH KUMBHAR	Report Status : Final	Print	: 19-Jan-2023 / 11:15 AM
Bed	: OPD			

Haematology				
Investigation	Observed Value	Unit	<b>Biological Ref. Interval</b>	Specimen
COMPLETE BLOOD COU Haemoglobin Method:Photometric Measurement	JNT 16.3	gm/dl	13.0-17.0	EDTA WB
PCV Method:Elect. Impedance	49.6	%	40-50	EDTA WB
MCV Method:Elect. Impedance	94.5	fl	80-96	EDTA WB
MCH Method:Calculated	31.0	pg	27.5-33.2	EDTA WB
MCHC Method:Calculated	<u>32.9</u>	g/dL	33.4-35.5	EDTA WB
RBC Count Method:Elect, Impedance	5.25	mill/cu.mm	4.5-5.9	EDTA WB
RDW-CV Method:Derived from RBC Histogram	12.1	%	12-15	EDTA WB
Platelet Count Method:Elect. Impedance	254000	/µL	150000-450000 /µL	EDTA WB
MPV Method:Elect, Impedance	8.9	fi	7.8-11.0	EDTA WB
Total WBC Count Method:Elect. Impedance	7610	cells/cu.mm	4000-11000	EDTA WB
VBC Differential Neutrophils <sup>Method:Flowcytometry</sup>	65	%	40-75	EDTA WB
Lymphocytes Method:Flowcytometry	23	%	20-42	EDTA WB
Eosinophils Method:Flowcytometry	3.0	%	1-6	EDTA WB
Monocytes Method:Calculated	9	%	1-10	EDTA WB
Absolute Neutrophils	4946.5	/cmm	2000-7000	EDTA WB
Absolute Lymphocytes	1750.3	/cmm	1000-3000	EDTA WB
Absolute Monocytes Aethod:Calculated	684.9	/cmm	200-1000	EDTA WB
Absolute Eosinophils Nethod:Calculated	228.3	/cmm	20-400	EDTA WB
Absolute Basophils	00_	/cmm	20-100	EDTA WB

#### Comments:

1

· A complete blood count (CBC) is a blood test which measures several cellular components of blood and is used to evaluate overall

### Annexure No.11 Photographs showing Existing Greenbelt Development













### Details of expenditures on ESC activities during the period 1st October 2022 to 31st May 2023.

Sr.No	Activity Details	Category	Amount Rs	Remarks
1	Distribution Solar	Solar	36120	Very useful in the night time for
	Lanterns/Lamps to farmers	products		children study and cooking food
2	New Farm Ponds support for	Environment	118500	Support to Farm pond water storage
	rain water harvesting.			
3	Furniture support Public	Health	9800	PHC patients
	Health Centre Porle			
4	Distribution Blankets old age	Social	50000	support and use blankets in the
	and children orphanage			winter season
	home at Kolhapur			
5	Safe drinking water plant at	Environment	200000	Safe drinking water plant at Kushare
	Kushare & Borewade			& Borewade
6	School White wash and	Education	553784	Increase no.s of students in the
	Painting at village			School
	Mahlunge, Malharpeth			
7	Digital Anganwadi (BaLa	Education	130000	Increase strength of Children's in the
	Painting) Shinde wadi			Anganwadi and happy to learning
				environment
8	Informal Education Centre	Education	52760	Children flow under education
	Asurle			continuations learning
9	Support sport materials to	Sports	225700	Youth positively with Sports
	sportsman at Porle.Provide			activities.Aware against Health and
	Wrestling Mat Kotoli			Participate in Wrestling
10	E learning set up installation	Education	336217	Increase no.s of school students and
	at Kotoli			digital animated study syllabus
			15000	provide for the students
11	Informal Education centre	Education	15000	Children's flow under education
4.2	Asurle	<b>5</b> 1	44.000	continuous learning
12	Food Supply Informal	Education	41000	Food supply for children's with
	Education centre Asurle	<b>5</b> 1	20000	volunteers fee
14	Provided amplifier and	Education	30000	Use for cultural activities and daily
4.5	speakers to school Kolhapur		0020	anthems
15	SUPPORT GROCERIES AND	Education	9920	Monthly meal supply
	GRAINS FOR THE RESIDENTIAL SCHOOL			
	RESIDENTIAL SCHOOL ORPHAN AND POOR			
	STUDENTS Petwagwav			
16	Provide food to students	Education	151040	Informal Education centre
10	from Informal Education		131040	
	centre at Asurle			
17	For computer education HP	Education	684673	Digital Literacy Mission
±1	i si sompater caacation m		00-075	

18	Provided Educational materials to Asurle	Education	7450	Educational materials
19	Provided Computers and Printers to school Kolhapur	Education	51212	community data
20	Provideing School bags and educational materials to poor students	Education	117263	Regular attend in the school
21	PROVIDE FURNITURE FOR SHIVAR EDUCATION INSTITUTE	Education	169211	Regular attend in the school
22	Support Educational Materials	Education	41056	Regular attend in the school
	Total Expenditure		3030706	

### Distribution of Solar Lanterns second phase in near by villages Darewadi & Kotoli



Installation Solar Street Lights in near by village Asurle -Porle & Darewadi



### Annexure No.12



### Anganwadi BaLa painting Phase 2 for village schools





<u>Computer Training HPWOW Van innugulation for Kerle Girls High School</u> <u>Dist .Kolhapur.</u>



High School painting work completed at village Malharpeth & Chvhanwadi Dist.Kolhapur



### Annexure No.12



### Blanket Distributions to at Matoshri Old Age Home Kolhapur



### 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 programmes 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 programmes 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**



A-7/2/C-11, Capital City, Talwade - Chakan Road, Chakan MIDC, PH-IV, Village Nighoje, Tal. Khed, Dist. Pune-410 501, Maharashtra. Mob+ 9545084620, 8421365421 CIN No. : U74900PN2013PTC149666 E-mail : environsafetyeng@gmail.com, gesec12@gmail.com

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

	1	TEST REPO			
Test Report No: -		/ANLM/2022-23		Report Date	
Sample ID: -	GESEC/PRO	GESEC/PRO/ANLM/2022-23/12/186			16/12/2022
Name & Address of the Customer	M/s Dalmia A/p- Asurle Dist- Kolhap	Bharat Sugar & – Porle, Tal- Panl pur	Industries Ltd. nala,		
	An	nbient Noise Sar	nala Dataila		
Туре	Ambient Noi		nple Details		
Sampling done by		RI ENVIROCARE			
Standard method	As Per IS: 99				
	1				
Date of Sampling	te of Sampling Sample Receipt Date Analysis Start Date				Analysis End Dat
09/12/2022	10/12	2/2022	10/1	2/2022	16/12/2022
	-				
Name of Instrument	SE/N	SE/NM-01 Date of Calibration		04/09/2022	
Calibration Certificate No.	TECH/CAL/2	022/09.F/11	Due Date of Calibration		03/09/2023
Test Location		Average Noise Level Readings		MPCB Standard	
		Unit	Day	Night	dB(A)
Near Main Gate	-	dB(A)	67.5	62.4	
Near Cane Yard		dB(A)	72.5	67.3	During Day time 75 dB (A)
Near Mill House		dB(A)	74.7	69.5	During Night time 70dB(A)
Near Boiling House		dB(A)	73.8	68.7	
Near Distillery Boiler Area		dB(A)	74.0	69.1	1
Remark- All above results are withir	n MPCB Standa	irds.	NENVIN		
		dy Engineers	PUNE PUNE	A	Mr. Vinod Hande (Technical Manage wed & Authorized B
		**END OF REPO	RTAMPANT	Nevier	a de Authonized B

- 1.
- 2.
- 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 hy us (supplied by customer and est excel test budgets the data of the customer. 4.

## Fire Fighting & Fire Extingushers Training and demostrations

We have conducted the fireighting Training programme and demo of how to use Fire Extingushers 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 .











#### **ENVIRONMENTAL STATEMENT FORM NO V - Sugar & Cogen unit**



### Maharashtra Pollution Control Board महाराष्ट्र प्रदूषण नियंत्रण मंडळ

### **FORM V**

(See Rule 14) Environmental Audit Report for the financial Year ending the 31st March 2022 Unique Application Number MPCB-ENVIRONMENT\_STATEMENT-0000049924

#### PART A Company Information

#### **Company Name**

Dalmia Bharat Sugar & Industries Ltd.Sugar unit-Shri DattaAsurle-Porle

#### Address

A/P-Asurle -Porle, Tal-Panhala, Dist.-Kolhapur-416229

**Plot no** 1746,1748 to 1756

Capital Investment (In lakhs) 3803

Pin code

416229

Telephone Number 02328236115

Region

SRO-Kolhapur

Last Environmental statement submitted online ves

Consent Valid Up to

31/07/2022

2013

Taluka

Panhala

Scale

Person Name

Fax Number

02328236115

Mr.S.Rangaprasad

Industry Category

**Consent Number** 

/CR2112001334

Format 1.0 /CAC/UAN No.

Establishment Year

MPCB-CONSENT0000118065

LSI

Red

Application UAN number Format 1.0 /CAC/UAN No. MPCB-CONSENT 0000118065/CR -2112001334

Village

Submitted Date

30-09-2022

Asurle-Porle

**City** Kolhapur

**Designation** Dy.Executive Director

**Email** kop.sdsk@dalmiasugar.com

Industry Type R12 Sugar ( excluding Khandsari)

Consent Issue Date 2021-12-14

Date of last environment statement submitted Sep 30 2021 12:00:00:000AM

Industry Category Primary (STC Code) & Secondary(STCCode)

#### Product Information

Product Name	Consent Quantity	Actual Quantity	иом
Sugar	437400	136200	MT/A
Electricity	32	23	Mwh
Molasses	129600	48216	MT/A
Press mud	129600	22351	MT/A
Bagasse	939600	268007	MT/A

#### **ENVIRONMENTAL STATEMENT FORM NO V -Distillery unit**

# RA Mahara

Maharashtra Pollution Control Board महाराष्ट्र प्रदूषण नियंत्रण मंडळ

Unique Application Number			Ibmitted Date	
MPCB-ENVIRONMENT_STATEMENT-0000049	813	3	0-09-2022	
PART A Company Information				
Company Name	Application UAN numbe	r		
Dalmia Bharat Sugar & Industries Ltd ,Distille	ryUnit ,Asurle-Porle			
Address				
A/P Asurle Porle Taluka Panhala Dist Kolhapu				
Format 1.0/CAC/UAN No.				
MPCB-2112000670 CONSENT				
0000122608/CD				
Plot no	Taluka		Village	
1764,1765,1852,1855 Asurle Porle	Panhala	ł	Colhapur	
Capital Investment (In lakhs)	Scale		City	
6747	L.S.I	ŀ	Colhapur	
Pin code	Person Name	I	Designation	
416229	Mr.S.Rangaprasad		ty Execuative Director	
Telephone Number	Fax Number	1	Email	
02328236115	02328236115	k	adam.anand@dalmiasu	gar.com
Region	Industry Category		ndustry Type	
SRO-Kolhapur	Red		R60 Distillery ( molasses / based)	′ grain/yeast
Last Environmental statement submitted online : Yes	Consent Numb Format 1.0/CAC/UAN No. MPCB-2112000670 CONSENT 0000122608/CD			
Consent Valid Upto		Establishment Yeas	Consent Issue da	nte
31.08.2022		2015	2021-12-13	
Industry Category Primary (STC Code) & Secondary (STC Code)		2010	2027 12 10	
Product Information		Consent Quantity	Actual Quantity	UОМ
Product Name Rectified Spirit /Extra Neutral Alcohol/Ethan	ol /Absolute Alcohol	43800	18849	KL/A
			100-13	
By-product Information By Product Name	Consent Quantity	Actual Qu	iantity	UOM
Fusel Oil	57.60	55	-	KL/A

**FORM V** 

Annexure No 15



### Dalmia Bharat Sugar & Industries Ltd

### **Newspaper advertisements for accordance of Environmental Clearance**



TIMES OF INDIA -ENGLISH NEWS PAPER ADVERTIZEMENT : Dated 18.06.2021





#### DAILY SAKAL -MARATHI NEWS PAPER ADVERTIZEMENT : Dated 18.06.2021 Annexure – 16



#### DAILY LOKMAT -MARATHI NEWS PAPER ADVERTIZEMENT : Dated 18.06.2021

Daily Saled dated 18106/2021
दत्त साखर कारखाना
म मे. डालमिया भारत शुगर अँण्ड इंडस्ट्रीज लि.)
गेर्ले, ता. पन्हाळा, जि. कोल्हापूर - ४१६ २२९
जाहीर निवेदन
ाणी प्रकल्पाच्या क्षमतेचे ७५ किलोलिटर प्रतिदिन ते र प्रतिदिनपर्यंत विस्तारीकरण करणेकरिता मिनिस्ट्री
ट. फॉरेस्ट ॲण्ड क्लायमेट चेज इम्पॅक्ट असेसमेंट
वि दिल्ली यचिकडन एन्ट्रायन्में टल क्लिअरन्स
, त्याची प्रत मंत्रालयाच्या <u>https://parives.nic.in/</u> या संकेतस्थळावर उपलब्ध आहे.
सही/- डेप्यू, एविझक्युटिव्ह डायरेक्टर
and finderation of the

#### **Annexure No 17**

### Water withdrawal Permissions from Irrigation Dept Govt.of Maharashtra

शासनामार्फत बेळोबेळी निर्गामित होणारे बिगर सिंखन विषयक निर्णय व मूळ पापल्यावर बंधनकारक राहातील यांची कृपया नॉट घ्यावी. सहा वर्षाचा करारनामा सन २०२१-२०२७ करिता दि. ०१/०७/२०२१ पासून या कालावधीकरिता लागू राहोल. प्रावालावधीकरिता लागू राहोल. कोल्हापूर पाटबंघारे विभाग(उत्तर) कोल्हापूर. भयंता श्रेणी -१.पंचगंगा पाटबंघारे उपविभाग,कोल्हापूर यांना माहितांसाठां व पुढाल हो रवाना.
। सहा वर्षायां करारनामा सन् २०२१-२०२७ करिता दि. ०१/०७/२०२१ पासून या कालावधीकरिता लागू राहील. कार्यकारी अभियंता कोल्हापुर पाटबंघारे विभाग(उत्तर) कोल्हापुर. वयेता श्रेणी -१,पंघगंगा पाटबंधारे उपविभाग,कोल्हापुर यांना माहितीसाठी व पुढील ही रवाना.
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हे किया केसे याची क्षेत्रीय पहिणी करून त्याचा अनगर आवत्यन जनन
ाटरेप लोगेबुक नींदी ठवण आवश्यक असलेने स्टर गांदकाम पिरंग जॉगलू जॉन
आवश्यक राहील.)

C. WRAJESHAERI GHORPADE/KID NORTH/WRITEINIA Ref WRITEINI . COCX