

DBSIL/ MOEF&CC/ 3237/ 2020-21

Date 30.12.2020

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

Sub.: Point wise Compliance report for Environment Clarence for the period from 1<sup>st</sup> April 2020 to 30<sup>th</sup> September 2020.

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

Respected Sir,

With reference to the above subject please find attached the point wise Compliance report for Environment Clarence for the period from 1<sup>st</sup> April 2020 to 30<sup>th</sup> September 2020. for the 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) by Dalmia Bharat Sugar & Industries Limited at Village Asurle-Porle, Tehsil Panhala, District Kolhapur (Maharashtra).

This is for your kind information and record please.

Thanking you,

For Dalmia Bharat Sugar & Industries Ltd ,Asurle-Porle

  
Authorized Signatory

Encl: EC Compliance report

C.C.: The Regional Officer MPCB Kolhapur.

# **Compliance Report**

As per condition stipulated in

## **Environmental Clearance**

**Letter No- J-11011/305/2016-IA II (I) dated 10th August, 2017  
& EC vide letter no. J-11011/277/2013-IA II (I) dated 04<sup>th</sup>  
February 2015**

**Compliance Period: 1<sup>st</sup> April 2020 to 30<sup>th</sup> September 2020**

**For**

**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).**

**At**

**Village Asurle-Porle, Tehsil Panhala, District Kolhapur**

**(Maharashtra)**

**APPLICANT**

**M/s Dalmia Bharat Sugar and Industries Ltd, Shri Datta**

**Hansalaya Building, 11th & 12th Floor, 15, Bara khamba Road, New Delhi  
110001 Phone No.011-23465100, E-mail:[rastogi.pankaj@dalmiasugar.com](mailto:rastogi.pankaj@dalmiasugar.com)**

## EC Compliance

1. Name of Project : 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) at Village Asurle-Porle, Tehsil Panhala, District Kolhapur (Maharashtra) by M/s Dalmia Bharat Sugar and Industries Limited - Shri Datta
2. **Period of Compliance : 1<sup>st</sup> April 2020 to 30<sup>th</sup> September 2020.**
3. **Ref: EC Vide Letter No.** - J-11011/305/2016-IA II (I) dated 10<sup>th</sup> August, 2017 & EC vide letter no. J-11011/277/2013-IA II (I) dated 04<sup>th</sup> February, 2015.

Point wise compliance of conditions stipulated in EC vide letter no. - 11011/305/2016-IA II (I) dated 10<sup>th</sup> August, 2017 & EC vide letter no. J-11011/277/2013-IA II (I) dated 04<sup>th</sup> February, 2015 are given as under: -

Sr. No.	Specific Condition	Compliance Status
	<b>Compliance Status of EC vide letter no. -11011/305/2016-IA II (I) dated 10<sup>th</sup> August, 2017</b>	
i	All the conditions of existing Environmental clearance shall be followed.	Complied. All the conditions of existing EC vide letter no. J-11011/277/2013-IA II (I) dated 04 <sup>th</sup> February, 2015 are being followed.
ii	10 Mtr. wide green belt of perennial trees around periphery of the plant shall be provided.	The company maintains 10 Mtr. wide greenbelt of perennial trees around periphery of the plant. Photographs showing Latest and old Greenbelt Development has been attached as <b>Annexure 1</b> .
iii	Green belt shall be developed in 33 % i.e., 11.53 Ha out of 34.9 Ha of area of the project.	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.	No additional fresh water is required for the expansion. As per the old EC condition water extraction restricted to 1250 KLPD.
v	No additional steam shall be used for proposed expansion.	No additional steam is required for the expansion in distillery unit.
vi	At least 2.5 % of the total cost of the project shall be earmarked towards the	2.5% of the total project cost has been earmarked towards the Enterprise Social

	<p>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:</p> <ul style="list-style-type: none"> <li>• 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.</li> <li>• 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&amp;CC in 6 monthly compliance reports.</li> </ul>	<p>Commitment (ESC) based on need assessment of the nearby villages.</p> <p>Socio-economic development activities being carried out by the company along with the expenditure incurred as <b>Annexure-2</b>.</p> <p>Expenditures on CSE activities during the period 1<sup>st</sup> April 2020 to 30<sup>th</sup> September 2020. is Rs 1697967/- (Pic Attached).</p> <ul style="list-style-type: none"> <li>• 5000 trees per year have been planted In nearby villages with the consultation of the villagers.</li> </ul>
vii	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.	Environment Manager appointed.
viii	No effluent shall be discharge outside the plant premises.	The plant is completely based on <b>Zero Effluent Discharge</b> . No Discharge outside the plant premise is ensured.
ix	Continuous online (24 x7) monitoring shall be installed for flow measurement	Continuous online monitoring system has been already installed & commissioned and

	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.	connected to the MPCB & CPCB Server by the company. The photographs of the same have been incorporated as <b>Annexure -3</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 system is 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 being/ will be done on a regular basis and records are being/ will be maintained as per the Factories Act.
<b>Compliance Status of Environmental Clearance: J-11011/277/2013 IA II (I) Dated 04.02.2015 amended on 10.08.2016</b>		
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.	No Grain based distillery unit is installed.
ii	Bag filter/ESP along with stack of adequate height shall be provided to Bagasse fired boiler to control particulate emissions 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	Complied. ESP installed and ensured particulate emissions within 50 mg/Nm3. Pollution control systems are interlocked with production process. Latest Stacks monitoring results are enclosed as <b>Annexure - 4.</b> Continuous online monitoring system for stack emissions has already been installed by the company. The photographs of the same have been incorporated as <b>Annexure - 5.</b>

	efficiency.	
iii	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing closed storage, closed handling and conveyance of chemicals/ materials, multi cyclone separator &amp; water sprinkling system. Dust suppression system including water sprinkling system shall be provided at loading and unloading areas to control dust emissions. Fugitive emissions in the work zone environment, product, raw material storage area, etc. shall be regularly monitored and records shall be maintained. The emissions shall conform to the limits imposed by MPCB.</p>	<p>Complied.</p> <p>Provided necessary control measures for checking fugitive emissions from all the vulnerable sources like:-</p> <ul style="list-style-type: none"> <li>• Water sprinkling system at bagasse yard.</li> <li>• Water Tankers are used for dust suppression.</li> <li>• Covered conveyors for transporting bagasse and for coal storage.</li> <li>• Storage of finished goods in covered sheds.</li> </ul> <p>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.</p> <p>Water sprinkling systems, Closed Storage, covered fuel handling System is in place. photographs are enclosed as <b>Annexure 6</b></p>
iv	<p>The gaseous emissions from D.G set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the D.G. sets to mitigate the noise pollution.</p>	<p>Complied.</p> <p>D.G. Sets are used for rare emergency purpose only. DG set is installed with adequate stack height as per CPCB guidelines. Acoustic enclosure has also been provided.</p>

v	<p>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.</p>	<p>Complied.</p> <p>Uploaded, on regular basis, the status of compliance of the stipulated Environmental clearance conditions including results of monitored data on their website.</p> <p>The Ambient Air Quality monitoring for PM 2.5, PM10, SO2, NOX, VOC, HC (Methane) &amp; CO has been carried out at four locations within the plant. Monitoring results are enclosed as <b>Annexure 7</b>. Air quality levels displayed at main gate of the company.</p>
vi	<p>Company shall follow good management practices viz collection of waste yeast sludge from fermentation section in a closed system &amp; 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 &amp; untreated Spent Wash in the lagoons, and greenbelt development with suitable plantation in &amp; around the treatment units to mitigate odour from the distillery unit.</p>	<p>Complied.</p> <ul style="list-style-type: none"> <li>• Waste sludge and spent wash are transported through closed pipelines.</li> <li>• Anaerobic treatment is not required due to incineration route is adopted.</li> <li>• Spent wash is being concentrated in MEE and incinerated in incineration boiler. Spent lees and condensate water after treatment in CPU is being recycled back in process.</li> <li>• Concentrated spent wash used directly into the boiler with minimum retention time.</li> <li>• 33% greenbelt/plantation developed all around the plant boundary helps in reducing the odour, noise level, arresting dust and improves the environment in surrounding.</li> </ul>
vii	<p>Pucca approach road to project site shall be constructed prior to commencing construction activity of the main distillery to avoid fugitive emissions.</p>	<p>Complied.</p> <p>RCC approach roads are constructed and maintained with mobile water sprinkling system to avoid fugitive emission.</p>

viii	Total fresh water requirement from Kasari river for distillery and sugar 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's 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. Spent lees 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.	<p>Complied.</p> <ul style="list-style-type: none"> <li>• Spent wash generation from molasses has not exceeded 8KL/KL of Alcohol production.</li> <li>• The spent wash from molasses based distillery is being concentrated in MEE and incinerated in incineration boiler. Spent lees and condensate water after treatment is being recycled back in process and cooling towers.</li> <li>• No effluent is being /will be discharged outside the distillery plant premises and Zero Effluent Discharge condition is being followed.</li> </ul> <p>1. Impervious lagoon with HDPE lining has been provided, having spent wash storage capacity not more than 5 days. Photographs has been attached as <b>Annexure-08</b>.</p>
x	Waste water generation from the sugar unit shall not exceed 100 lit per Ton of crushed that is 750 m <sup>3</sup> /day. Effluent from sugar unit shall be treated in the Effluent Treatment Plant (ETP). Water quality of treated effluent shall be	<p>Complied.</p> <p>2. Effluent from Sugar Unit &amp; Co-generation Power Plant is being treated in ETP and treated water is being recycled / reused in process and greenbelt development and ferti-irrigation and Green belt development.</p>



	<p>monitored regularly. In any case, no waste water/ treated effluent shall be discharged into river/ natural stream. Domestic effluent shall be treated in Treatment plant.</p>	<p>3. Online monitoring system for Water quality of treated effluent has already been installed.</p> <p>4. ETP Flow chart and Photographs of online monitoring system &amp; ETP has been attached as <b>Annexure-09</b>.</p> <p>5. As per the monitoring carried out by MPCB treated effluent quality found to be within the limits prescribed in consent granted by MPCB. Domestic Effluent is being treated Septic tank &amp; soak pit and reused in gardening.</p>
xi	<p>Adequate numbers of groundwater quality monitoring stations by providing Piezometer around the project area shall be setup. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to SPCB and this ministry. The groundwater quality monitoring for pH, COD, chloride, sulphate and total dissolved solids (TDS) shall be monitored. Sampling and trend analysis monitoring must be made in monthly basis and report submitted to the ministry's Regional office in Bhopal /Nagpur and MPCB.</p>	<p>Complied.</p> <ul style="list-style-type: none"> <li>• No ground water withdrawal in the plant premises.</li> <li>• Installation of modern integrated evaporation system followed by incinerator boiler to consume 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 (<i>sample collected nearby the plant</i>) . <b>Annexure 10</b></li> </ul>
xii	<p>As proposed, no effluent from Sugar, Distillery and Co-generation Power Plant shall be discharged outside the premises and Zero Effluent Discharge concept shall be followed.</p>	<p>Complied.</p> <p>Treated effluent from sugar Plant is being used for irrigation. Treated effluent from Co-generation Power Plant is being recycled into process. No effluent is being discharge from Distillery. No effluent is being/will be discharged outside the plant premises and Zero Effluent discharge condition is being followed.</p>

xiii	<p>Bagasse storage should be done in such a way that it does not get air borne or fly around due to wind. Fly ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water direct exposure of workers to fly ash &amp; dust shall be avoided.</p>	<p>Complied.</p> <ul style="list-style-type: none"> <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 sprinkling system along with covered conveying.</li> <li>• Fly ash is being stored separately as per CPCB guidelines.</li> <li>• Ash from the boiler is utilized in in-house brick manufacturing facility and balance given to the Brick manufacturers.</li> </ul>
xiv	<p>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.</p>	<p>Complied.</p> <p>Full-fledged fire fighting system is installed to cover complete distillery, sugar &amp; Co-generation power plant.</p>
xv	<p>Risk assessment shall be carried to assess the fire and explosion risk due to storage of alcohol and report submitted to ministry and its regional office at Bhopal within 6 months.</p>	<p>Complied.</p> <p>The company has already taken measures towards alcohol storage and approved drawing approved from Petroleum and Explosive Safety organization.</p> <p>Letter of approved drawing has been attached as <b>Annexure 11.</b></p>
xvi	<p>Occupational health surveillance program should be undertaken as regular exercise for all the employee. The first aid facility in the occupational health Centre should be strengthened and the regular medical test records of each employee should be maintained separately.</p>	<p>Complied.</p> <p>Company regularly conducts occupational health surveillance programme once in year for all the employees &amp; 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 <b>Annexure 12.</b></p>

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 been provided in the factory premises for loading & unloading of materials and first in and first out system is ensured by the way of digitization .system is ensured by the way of digitization.
xviii	Green belt over 33% of the total project area should be developed within plant premises with at least 10 m wide green belt on all sides along the periphery of the project area, in downward direction, along roadsides etc. selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	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.
xix	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. 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 A plan is carried out in consultation with local bodies to understand the local needs and accordingly ESC plan is attached as <b>Annexure 2</b> . Photographs of CSR Activity have been attached as <b>Annexure 13</b> .

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, crèche 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	Complied. Construction work is over.
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S. 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 in the plant without prior approval of the Ministry of Environment and Forests.

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 four locations of Ambient Air Quality monitoring stations have been decided in consultation with the MPCB & monitoring is being done regularly by MPCB. As per Monitoring data the Air quality levels found to be within prescribed limits.
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 & Complied.
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. Noise monitoring reports have been attached as <b>Annexure 14</b> .
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.	Rain water from the roof tops of the buildings is being stored in storage tank and the same water for the process activities of the project 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 be undertaken on regular basis. Training to all employees on handling of chemicals shall be imparted.	Complied Periodically training to all employees on Safety & Health aspects is prepared & implementing under the supervision of Safety Committee. Periodical medical examination of employees is being carried out annually.
viii	The company shall also comply with all the environmental protection measures and safeguards proposed in the documents submitted to the Ministry. All the	Complied ESP has been provided for the stack of Co-gen plant and Incineration Boiler. MEE has been provided for reducing the spent

	recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	wash. Effluent Treatment Plant with Online Effluent Quality Monitoring System is in place. Green belt has been developed Water sprinkle system has been provided for controlling the fugitive emissions. Air Cooled condensers have been provided for reducing the water requirement. Regular Environmental quality monitoring is being done.
ix	The company shall undertake all relevant measures for improving the Socio-- economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied An amount of Rs. 500000 /- has been spent towards CSR activities during 1st October 2019 to 31st March 2020. Plantation in nearby villages to be undertaken under eco-development measures.
x	The company shall undertake eco-developmental measures including community welfare measures in the project area for the overall improvement of the environment.	
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.	Complied. 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	A copy of the clearance letter to concerned

	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.	Panchayat, Zila Parishad/Municipal corporation Urban Local Body & the local NGO has been submitted.
xiv	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated Environmental Clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MoEF, 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 are submitting 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 are submitting 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. <i>Sugar Mill &amp; Distillery Environmental Statement reports are enclosed as Annexure – 15.</i>
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 <a href="http://moef.nic.in">http://moef.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter, at least in two local newspapers that are widely circulated in the region of which one shall be in	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 <b>Annexure – 16.</b>

	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.	Complied. During construction 6 monthly compliance reports have been submitted to Regional office of MoEFCC.



**Photographs showing Existing Greenbelt Development**





Annexure 1



## Annexure No.2

### Expenditure on ESC

Expenditures on CSE activities during the period 1<sup>st</sup> April 2020 to 30<sup>th</sup> September 2020.

Sr. No.	Work details	Expenditure (Rs)
1	Free Sanitizer of 5000 Litters have been distributed to Government Hospitals and Institutions during COVID -19.	550000
2	Asurle village water pond, Boundary wall construction 1st phase work completed.	521000
3	Asurle village water pond, Boundary wall construction 2nd phase work completed.	379167
4	New English School Porle tarf Thane, Roof sheets replace and New sheets installation work completed	247800
	<b>Total</b>	<b>1697967</b>

Free Hand Sanitizer distributed to Government Hospitals and Institutions.



**POND WATER RESTORATION AT VILLAGE ASURLE**



**Continuous Online Monitoring System for Effluent Treatment Plant**

ETP Outlet Online Monitoring System Results.



Probes for online monitoring of treated water quality



# STACK MONITORING REPORT

Annexure 4



Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-4122C  
 Mob- + 9545084620 | E-mail: gesecc12@gmail.com | www.greenenvirosafe.co.in  
 CIN No. : U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO/IEC 17025:2005 (NABL), ISO 9001:2015 and OHSAS 18001:2007 Certified Company

GESEC

## CERTIFICATE OF ANALYSIS ANALYSIS REPORT FOR STACK EMISSION

Sample / Report Ref. No.	GSEC/PRO/20-21/11/244			
Date of Report	05/10/2020			
Name of the Industry	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle – Porle, Tal- Panhala, Dist- Kolhapur.			
Sample Collected By	M/s SAHYADRI ENVIROCARE			
Date of Sampling	29/09/2020	Time of sampling : Day Time		
<b>PARTICULARS OF STACK</b>				
Stack Attached to	Boiler (22 TPH Distillery)			
Stack Diameter (Meter)	2.5			
Stack Height ( Meter)	62			
Stack Temperature(°C)	105			
Stack Velocity of Flue Gas (m/s)	5.1			
Stack Volume of Flue Gases (Nm <sup>3</sup> /Hr.)	70872			
Type of Fuel Used	Spent Wash/ Coal			
<b>Pollution Parameters</b>				
<b>Parameters</b>	<b>Result</b>	<b>Units.</b>	<b>Method Used</b>	
Total Particulate Matter	42	Mg/ Nm <sup>3</sup>	EPA- Method – 17	
SO <sub>2</sub> Conc.	24.9	Kg /Hr.	IS – 11255 (Part 2) 1985, Reaffirmed -2009	
<b>Calibrations details :-</b>				
<b>Sr. No.</b>	<b>Instrument</b>	<b>Certificate No.</b>	<b>Last Calibrated on</b>	<b>Due Date</b>
1	SE/SMK-02	TECH/CAL/2019/Dec.10/1/2/3/4/5	26/12/2019	25/12/2020
<b>Remarks:</b> All above results are within MPCB Standards.				
<b>ANALYZED BY</b>			<b>AUTHORIZED SIGNATORY</b>	

**Terms and conditions**

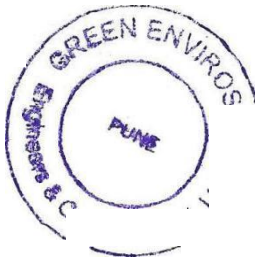

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- The results shown in this test report may differ based on various factors including temperature, humidity, pressure, retention time etc.
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- We strictly maintain the confidentiality of all test result 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. 09/02/2017 to 08/02/2022.



**ENVIROSAFE**



Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO/IEC 17025:2005 (NABL), ISO 9001:2015 and OHSAS 18001:2007 Certified Company

CERTIFICATE OF ANALYSIS ANALYSIS REPORT FOR STACK EMISSION				
Sample / Report Ref. No.		GSEC/PRO/2020-21/09/245		
Date of Report		05/10/2020		
Name of the Industry		MIs Dalmia <b>Bharat</b> Sugar & Industries Ltd. A/p- Asurle- Porle, Tal- Punhala, Dist- Kolhapur.		
Sample Collected By		M/s SAHYADRI ENVIROCARE		
Date of Sampling		29/09/2020	Time of sampling : Day Time	
PARTICULARS OF STACK				
Stack Attached to		Boiler (120 TPH)		
Stack Diameter (Meter)		3.0		
Stack Height ( Meter)		70		
Stack Temperature(°C)		118		
Stack Velocity of Flue Gas (m/s)		7.1		
Stack Volume of Flue Gases (km <sup>3</sup> /Hr.)		137355		
Type of Fuel Used		Bagasse		
Pollution Parameters				
Parameter s	Result	Units.	Method Used	
Total Particulate Matter	44	Mg/ km <sup>3</sup>	EPA- Method – 17	
SOA Conc.	31.2	Kg /Hr.	IS- 11255 (Part 2) 1985, Reaffirmed -2009	
Calibrations details :-				
Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	SE/SMK-02	TECH/CAL/20 19/Dec.10/1/2/3/4/5	26/12/2019	25/12/2020
Remarks: All above results are within MPCB Standards.				
ANALYZED BY			 <b>AUTHORIZED SIGNATORY</b>	

Terms and conditions

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2. The results shown in this test report may differ based on various factors including temperature, humidity. pressure, retention time etc.
3. 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, GfiSEC.
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5. **We strictly maintain the confidentiality of all test result of sanp1e(s) collected by us/ supplied by customer and not revel to third party unless required by the statutory or legal requirement.**
6. MoEF approved Lab by Govt. of India. Front date. 09/02/2017 to 06/02/2022.

Annexure 5

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



Annexure 6

Photographs Showing Fugitive Emission Control Measures



# AMBIENT AIR QUALITY MONITORING REPORT Annexure 7



Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-41221  
 Mob-+ 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.co.in  
 CIN No. : U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO/IEC 17025:2005 (NABL), ISO 9001:2015 and OHSAS 18001:2007 Certified Company

GESEC


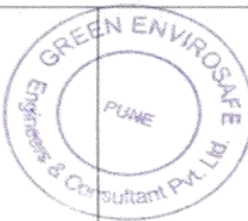

<b>CERTIFICATE OF ANALYSIS</b>				
<b>ANALYSIS REPORT FOR AMBIENT AIR QUALITY</b>				
Sample / Report Ref. No.		GSEC/PRO/20-21/11/241		
Date of Report		05/10/2020		
Name of the Industry		M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle - Porle, Tal- Panhala, Dist- Kolhapur.		
Sample Collected By		M/s SAHYADRI ENVIROCARE		
Date of Sampling		28/09/2020		
AMBIENT AIR STATION / HIGH VOLUME SAMPLER (H.V.S.) LOCATION				
Location of H.V.S.		: Near Boiling House		
Duration		: 480 Min.		
Time		: 09.40 hrs. to 17.40hrs.		
Pollution Parameters				
Parameters	Results	NAAQ Standards*	Units	Method Used
Suspended Particulate Matter < 10µm/PM <sub>10</sub>	78	100	µg / m <sup>3</sup>	IS 5182 (Part-23):2006, R-2012
Suspended Particulate Matter < 2.5µm/PM <sub>2.5</sub>	37	60	µg / m <sup>3</sup>	Gravimetric (NAAQS Volume -I)
SO <sub>2</sub> Conc.	12.5	80	µg / m <sup>3</sup>	IS 5182 (Part-02):2001, R-2012
NOx Conc.	18.7	80	µg / m <sup>3</sup>	IS 5182 (Part-06):2006
<b>Calibrations details :-</b>				
Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	AFDS - SE/ADS-02	TECH/CAL/2020/09/13/14/15/16	04/09/2020	03/09/2021
2	HVS- SE/HVS-02	TECH/CAL/2020/09/07/08	04/09/2020	03/09/2021
<b>Remarks:</b> All above results are within National Ambient Air Quality standards.				
ANALYZED BY 		 AUTHORIZED SIGNATORY 		

**Terms and conditions**

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6. MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.



GESEC




<b>CERTIFICATE OF ANALYSIS</b>				
<b>ANALYSIS REPORT FOR AMBIENT AIR QUALITY</b>				
Sample / Report Ref. No.		GSEC/PRO/20-21/11/242		
Date of Report		05/10/2020		
Name of the Industry		M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle – Porle, Tal- Panhala, Dist- Kolhapur.		
Sample Collected By		M/s SAHYADRI ENVIROCARE		
Date of Sampling		28/09/2020		
<b>AMBIENT AIR STATION / HIGH VOLUME SAMPLER (H.V.S.) LOCATION</b>				
Location of H.V.S.		: Near WTP/ Godawn Area		
Duration		: 480 Min.		
Time		: 09.50 hrs. to 17.50hrs.		
<b>Pollution Parameters</b>				
Parameters	Results	NAAQ Standards*	Units	Method Used
Suspended Particulate Matter < 10µm/PM <sub>10</sub>	69	100	µg / m <sup>3</sup>	IS 5182 (Part-23):2006, R-2012
Suspended Particulate < 2.5µm/PM <sub>2.5</sub>	31	60	µg / m <sup>3</sup>	Gravimetric (NAAQS Volume –I)
SO <sub>2</sub> Conc.	10.8	80	µg / m <sup>3</sup>	IS 5182 (Part-02):2001, R-2012
NO <sub>x</sub> Conc.	14.3	80	µg / m <sup>3</sup>	IS 5182 (Part-06):2006
<b>Calibrations details :-</b>				
Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	AFDS – SE/ADS-03	TECH/CAL/2020/09/17/18/19/20	04/09/2020	03/09/2021
2	HVS- SE/HVS-03	TECH/CAL/2020/09/09/10	04/09/2020	03/09/2021
<b>Remarks:</b> All above results are within National Ambient Air Quality standards.				
ANALYZED BY 				AUTHORIZED SIGNATORY 

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GESEC

<b>CERTIFICATE OF ANALYSIS</b>				
<b>ANALYSIS REPORT FOR AMBIENT AIR QUALITY</b>				
Sample / Report Ref. No.	GSEC/PRO/20-21/11/243			
Date of Report	05/10/2020			
Name of the Industry	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle - Porle, Tal- Panhala, Dist- Kolhapur.			
Sample Collected By	M/s SAHYADRI ENVIROCARE			
Date of Sampling	28/09/2020			
<b>AMBIENT AIR STATION / HIGH VOLUME SAMPLER (H.V.S.) LOCATION</b>				
Location of H.V.S.	: Near Distillery (Main Gate)			
Duration	: 480 Min.			
Time	: 09.50 hrs. to 17.50hrs.			
<b>Pollution Parameters</b>				
Parameters	Results	NAAQ Standards*	Units	Method Used
Suspended Particulate Matter < 10µm/PM <sub>10</sub>	73	100	µg / m <sup>3</sup>	IS 5182 (Part-23):2006, R-2012
Suspended Particulate <2.5µm/PM <sub>2.5</sub>	34	60	µg / m <sup>3</sup>	Gravimetric (NAAQS Volume -I)
SO <sub>2</sub> Conc.	16.3	80	µg / m <sup>3</sup>	IS 5182 (Part-02):2001, R-2012
NOx Conc.	21.2	80	µg / m <sup>3</sup>	IS 5182 (Part-06):2006
<b>Calibrations details :-</b>				
Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	AFDS - SE/ADS-04	TECH/CAL/2020/09/21/22/23/24	04/09/2020	03/09/2021
2	HVS- SE/HVS-04	TECH/CAL/2020/16/01/02	27/01/2020	26/01/2021
<b>Remarks:</b> All above results are within National Ambient Air Quality standards.				
<b>ANALYZED BY</b> 		<b>AUTHORIZED SIGNATORY</b> 		
				

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GESHC

<b>CERTIFICATE OF ANALYSIS</b>				
<b>ANALYSIS REPORT FOR AMBIENT AIR QUALITY</b>				
Sample / Report Ref. No.	GSEC/PRO/20-21/11/241			
Date of Report	05/10/2020			
Name of the Industry	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle – Porle, Tal- Panhala, Dist- Kolhapur.			
Sample Collected By	M/s SAHYADRI ENVIROCARE			
Date of Sampling	28/09/2020			
<b>AMBIENT AIR STATION / HIGH VOLUME SAMPLER (H.V.S.) LOCATION</b>				
Location of H.V.S.	: Near Boiling House			
Duration	: 480 Min.			
Time	: 09.40 hrs. to 17.40hrs.			
<b>Pollution Parameters</b>				
Parameters	Results	NAAQ Standards*	Units	Method Used
Suspended Particulate Matter < 10µm/PM <sub>10</sub>	78	100	µg / m <sup>3</sup>	IS 5182 (Part-23):2006, R-2012
Suspended Particulate Matter < 2.5µm/PM <sub>2.5</sub>	37	60	µg / m <sup>3</sup>	Gravimetric (NAAQS Volume -I)
SO <sub>2</sub> Conc.	12.5	80	µg / m <sup>3</sup>	IS 5182 (Part-02):2001, R-2012
NOx Conc.	18.7	80	µg / m <sup>3</sup>	IS 5182 (Part-06):2006
<b>Calibrations details :-</b>				
Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	AFDS – SE/ADS-02	TECH/CAL/2020/09/13/14/15/16	04/09/2020	03/09/2021
2	HVS- SE/HVS-02	TECH/CAL/2020/09/07/08	04/09/2020	03/09/2021
<b>Remarks:</b> All above results are within National Ambient Air Quality standards.				
ANALYZED BY 				
		AUTHORIZED SIGNATORY 		

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- MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.

[Five days Spent wash storage tank at Distillery](#)



[RO based Process condensate Treatment Plan tat Distillery](#)





EFFLUENT TREATMENT PLANT

Aeration Tank



**ETP Online monitoring system Display**

**Probe for online monitoring  
of Treated water quality**

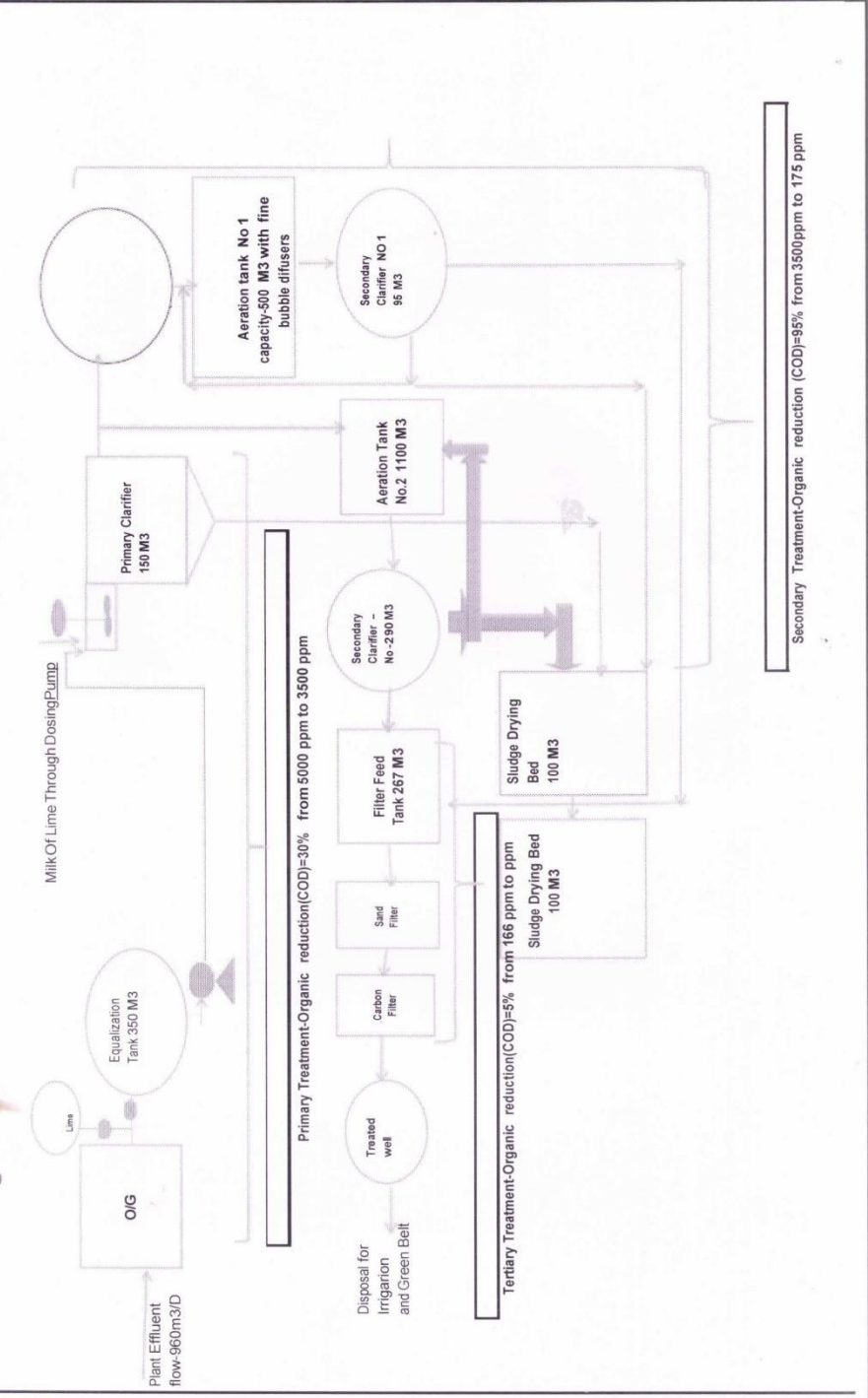


**ETP inlet Effluent Flow meter**

**ETP Outlet flow meter**



**DALMIA BHARAT SUGAR AND INDUSTRIES LTD Asurle-Porle, Kolhapur**  
**Schematic Diagram of EFFLUENT TREATMENT PLANT (ETP)**



# Annexure 10



Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-412208.  
Mob-+ 9545084620 | E-mail: gesecc12@gmail.com | www.greenenvirosafe.co.in  
CIN No. : U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO/IEC 17025:2005 (NABL), ISO 9001:2015 and OHSAS 18001:2007 Certified Company

## CERTIFICATE OF ANALYSIS

Sample / Report Ref. No.: GESEC/PRO/2020-21/07/797

Name of Industry : M/s Dalmia Bharat Sugar & Industries Ltd.

A/p- Asurle – Porle, Tal- Panhala,

Dist- Kolhapur.

Nature of Sample : Water Sample ( Asurle Nala- ETP Downstream)

Report Date: 14/07/2020

Sample Quantity : 1000ml

Date of Collection: 10/07/2020

Sample Collected by: M/s SAHYADRI ENVIROCARE

Date of Receiving: 11/07/2020

Sr. No	Test Parameters	Result	Unit	Test Method
01	pH	7.2	-	IS – 3025(Part 11)-1983 R-2012
02	B.O.D. -3 DAYS -27° C	8.4	mg/lit of O <sub>2</sub>	IS – 3025(Part 44)-1993 R-2009
03	C.O.D.	26	mg/lit	IS – 3025(Part 58)-2006 R-2012
04	Total Suspended Solids	60	mg/lit	IS – 3025(Part 17)-1984 R-2012
05	Chlorides As Cl	90	mg/lit	IS – 3025 (Part 32)
06	Sulphates As SO <sub>4</sub>	72	mg/lit	IS – 3025(Part 24)-1986 R-2012
07	Total Dissolved Solids	327	mg/lit	IS – 3025(Part 16)
08	Alkalinity as CaCO <sub>3</sub>	62	mg/lit	IS – 3025 (Part 51)
09	Total Hardness	107	mg/lit	IS – 3025 (Part 21)
10	Turbidity	< 5	NTU	IS – 3025 (Part 10)
11	Magnesium as Mg	19.1	mg/lit	IS – 3025 (Part 46)
12	Nitrates As NO <sub>3</sub>	1.8	mg/lit	IS – 3025 (Part 10)
13	Calcium as Ca	120	mg/lit	IS – 3025 (Part 40)
14	Dissolved Oxygen	5.1	mg/lit	IS – 3025 (Part 38)-1989
15	Phosphates As PO <sub>4</sub>	1.1	mg/lit	IS – 3025 (Part 31)

  
ANALYZED BY



  
AUTHORIZED SIGNATORY

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- MoEF approved Lab by Govt. of India. From date: 09/02/2017 to 08/02/2022.



भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce &amp; Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)

Petroleum &amp; Explosives Safety Organisation (PESO)

ए-1 और ए-2 विंग, पांचवा तल, केंद्रीय कार्यालय परिसर, सी.बी.डी. बेलपुर  
नवी मुंबई (महा.)- 400614A1 & A2 wing, 5th Floor, C.G.O. complex, CBD Belapur, Navi Mumbai (M.S.),  
Mumbai - 400614

E-mail :

jtccemumbai@explosives.gov.in

Phone/Fax No : 022 -  
27575946,27573881

संख्या /No : A/P/WC/MH/15/3131 (P384291)

दिनांक /Dated : 15/09/2016

सेवा में /To,

M/s. SHREE DATTA SAKHAR KHARKHANA ASURLE PORLE A UNIT OF DALMIA BHARAT  
SUGAR AND INDUSTRIES LTD.,  
SR NO 1954,ASURLE PORLE,  
ASURLE PORLE,  
Taluka: Panhala,  
District: KOLHAPUR  
State: Maharashtra  
PIN: 416229

विषय /Sub : Gut No, 1954, ASURLE PORLE, ASURLE PORLE, Panhala, Taluka: Panhala, District:  
KOLHAPUR, State: Maharashtra, PIN: 416302 में प्रस्तावित पेट्रोलियम वर्ग A अधिष्ठापन के अनुमोदन  
के सम्बन्ध में ।  
Proposed Petroleum Storage Class A Installation at Gut No, 1954, ASURLE PORLE, ASURLE  
PORLE, Panhala, Taluka: Panhala, District: KOLHAPUR, State: Maharashtra, PIN: 416302  
Approval Regarding.

महोदय /Sir  
(s).

कृपया आपके पत्र क्रमांक N दिनांक 14/09/2016 का अवलोकन करें ।  
Please refer to your letter No. N dated 14/09/2016

drawing no. DSIL/2016/1 dated 22/07/2016, अनुमोदित किया जाता है तथा प्रत्येक आरेखण की एक  
प्रति विधिवत पृष्ठांकित कर लौटाई जा रही है ।

The drawing no. DSIL/2016/1 dated 22/07/2016, showing the site and layout etc. of the specified  
installation is/are approved and one copy of the same is returned herewith in token of approval.

**Conditions of the Approval:-**

1-Please submit safety audit report and its compliances.2- Details of fire fighting facilities  
exclusively for the proposed installation. 3- Underground tank capacity may be restricted to  
90 KL X4 Tanks , revised drawings may be submitted at the time of grant of licence.

अग्रिम कार्रवाई हेतु इस कार्यालय को प्रेषित करें ।

The following documents which are necessary for the grant of a licence in Form XV under

Petroleum Rules, 2002 for the subject installation may please be submitted to this office for further action in the matter.

1. प्ररूप IX (संलग्न)में विधिवत भरा हुआ एवं हस्ताक्षरित आवेदन।  
An Application in Form IX (enclosed) duly filled in and signed.
2. एक वर्ष का अपेक्षित अनुज्ञप्ति शुल्क रु 5650/- (प्रति वर्ष - अधिकतम 10 वर्ष तक) का बैंक ड्राफ्ट।  
बैंक ड्राफ्ट किसी भी राष्ट्रीयकृत बैंक/शेड्युल्ड बैंक के नाम आहरित **Jt. Chief Controller of Explosives** के पक्ष में **Navi Mumbai(M.S.)** में देय हो।  
Bank Draft for Rs. 5650/- (per year - maximum upto 10 years) being the requisite licence fee for one year. The bank draft shall be drawn on any Nationalised Bank in favour of **Jt. Chief Controller of Explosives Payable at Navi Mumbai(M.S.)**.
3. अनुमोदित प्लान की ब्लू प्रिंट या सीएडी (CAD) प्रिंट में चार प्रतियाँ।  
Four copies of the approved plans in blue print or cad print incorporating the conditions, of approval if any, without any ink corrections, duly signed by the authorised signatory
4. इस संगठन द्वारा मान्यता प्राप्त सक्षम व्यक्ति द्वारा उनके हस्ताक्षर के स्टैप सहित जारी पेट्रोलियम नियम 2002 के अंतर्गत नियम 130 और 126 में आवश्यक निर्धारित प्ररूप (संलग्न-) में सेफ्टी और टेस्ट प्रमाण-पत्र।  
Safety and Test Certificate required under rule 130 and 126 of the Petroleum Rules, 2002 in the prescribed proforma (copies enclosed) issued by Competent person recognised by this organisation bearing his signature stamp.
5. पेट्रोलियम नियम के नियम 144 के अंतर्गत जिला प्राधिकारी द्वारा जारी 'अनापत्ति प्रमाण-पत्र' की मूल प्रति के साथ उनके द्वारा विधिवत हस्ताक्षरित एवं कार्यालय की मोहर लगा हुआ साईट प्लान।  
Original copy of 'No Objection Certificate' from the District Authority under rule 144 of petroleum rules together with site plan duly endorsed by him with his office seal thereon.
6. कार्यालय से होनेवाले पत्राचार पर हस्ताक्षर करने के लिए अधिकृत व्यक्ति(यों) के नमूना हस्ताक्षर।  
Specimen signature(s) of the person(s) authorised to sign the correspondence intended for this organisation .

जी.एस.आर. 519(ई) दिनांक 05/06/2000 द्वारा भारत सरकार, पेट्रोलियम तथा प्राकृतिक गैस मंत्रालय द्वारा अधिसूचित आदेश 2000 के 'सॉल्वेंट, रैफिनेट तथा स्लॉप (अधिग्रहण, बिक्री, भंडारण और ऑटोमोबाइल में उपयोग की रोकथाम) आवश्यकता/प्रावधान का कृपया पालन करें।  
Please follow the requirement/provision of " Solvent, Raffinate and Slop ( Acquisition, Sale, Storage & Prevention of use in Automobiles)" Order 2000 notified by Government of India, Ministry of Petroleum and Natural Gas vide G.S.R. 519(E) dated 05/06/2000.

फिर भी, यह अनुमोदन/अनुमति अन्य प्राधिकारियों से आवश्यक अनुमति/क्लीयरन्स प्राप्त करने से या यथा लागू अन्य विधियों से छूट नहीं देती है।

This approval/permission, however, does not absolve from obtaining necessary permission/clearance from other authorities or under other statutes as applicable.

भवदीय /Yours faithfully,

((  
(A.K.Srivastava))

Controller of Explosives  
कृते संयुक्त मुख्य विस्फोटक नियंत्रक  
For Jt. Chief Controller of Explosives  
नवी मुंबई (महा.)  
Mumbai

(अधिक जानकारी जैसे आवेदन की स्थिति, शुल्क तथा अन्य विवरण के लिए हमारी वेबसाइट : <http://peso.gov.in> देखें)

(For more information regarding status, fees and other details please visit our website: <http://peso.gov.in>)

HAEMATOLOGY

Voucher No. : 4488580  
 AH No. : 375070  
 Name : MR. T KANAGASABAI  
 Age/ Sex : 43 Years / Male  
 Referred. By : Dr.DALMIA BHARAT SUGAR LTD  
 Lab.Reg.No : 39

Aut by : VSK *AA*  
 Coll. Dt&Tm : 13-Aug-2020 10:40:11 A  
 Auth. Dt&Tm : 13-Aug-2020 12:29:52 P  
 Print Dt&Tm : 13-Aug-2020 12:30:03 PM  
 Sample ID : 594646  
 Location : OPD

HAEMATOLOGY

CBC ANC

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Page 1 of 2

Investigations	Result	Units	Reference Range	Equipment
<b>CBC</b> <b>Dr. Neeraja kulkarni</b> M.D (Path) Tata Memorial Hospital	<b>Dr. Ashwini Mane-Patil</b>	<b>Dr. Vishram Kulkarni</b>	<b>Dr. Sumedh Lokapure</b>	SYSMEX-XP
<b>Haemoglobin</b> Method: Photometric Fully Automated Hematology   Clinical Pathology / Bio-chemistry   Cytology / Histopathology   Serology / Microbiology   Hormonal Assays	14.60	M.B.B.S.D.C.P	gms%	17
<b>Haematocrit</b> Method: Electrical Impedance Tumour Markers   Automated Coagulation Studies   Arterial Blood Gas & Electrolytes Analysis   Drug Assays	44.80			50
<b>MCV</b> Method: Electrical Impedance Prerana Hospital Ltd	84.50		fl	N 80 - 96
<b>MCH</b> Method: Calculated CIN: U85110* N1996PLC10F292 Regd Office: R.S. No. 628, 'B' Ward, Near Shastri Nagar, Kolhapur, Maharashtra - 416012, India.	27.70		pg	N 27.5 - 33.2
<b>MCHC</b> Method: Calculated	32.70		g/dl	L 33.4
<b>RBC count</b> Method: Electrical Impedance	5.28		million/cumm	4. NABH
<b>Platelet Count</b> Method: Electrical Impedance	362,000.00		cumm	N 150000 - 450000
<b>Total Leucocyte Count</b> Method: Electrical Impedance	6,430.00		cumm	N 4000 - 11000
<b>Differential Count</b>				
<b>Neutrophils</b> Method: Laser flow cytometry/P.S	60.00		%	N 40 - 75
<b>Lymphocytes</b> Method: Laser flow cytometry/P.S	29.00		%	L 30 - 42
<b>Eosinophils</b> Method: Laser flow cytometry/P.S	3.00		%	N 1 - 6
<b>Monocytes</b> Method: Laser flow cytometry/P.S	8.00		%	N 1 - 10

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Page 1 of 2

**Dr. Neeraja Kulkarni** M.D (Path) | **Dr. Ashwini Mane-Patil** M.D (Path) Tata Memorial Hospital | **Dr. Vishram Kulkarni** M.B.B.S.D.C.P | **Dr. Sumedh Lokapure** MD (Microbiology)

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**HAEMATOLOGY**

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AH No. : 375070  
Name : MR. T KANAGASABAI  
Age/ Sex : 43 Years / Male  
Referred. By : Dr.DALMIA BHARAT SUGAR LTD  
Lab.Reg.No : 39

Aut by : NAK  
Coll. Dt&Tm : 13-Aug-2020 10:40:1  
Auth. Dt&Tm : 13-Aug-2020 12:29:5  
Print Dt&Tm : 13-Aug-2020 12:59:43  
Sample ID. : 594646  
Location : OPD

**HAEMATOLOGY**

**Investigations**

**BLOOD GROUP**

**Comments :** RH Tested with Monoclonal Anti D Sera  
**Method :** Gel method /slide Agglutination

**Result**

O Rh Positive

Equipm







## DEPARTMENT OF LABORATORY MEDICINE

### BIOCHEMISTRY

Voucher No. : 4488580  
AH No. : 375070  
Name : MR. T KANAGASABAI  
Age/ Sex : 43 YEARS / MALE  
Referred. By : DR.DALMIA BHARAT SUGAR LTD  
Lab.Reg.No : 39

Aut by : VSK  
Coll. Dt&Tm : 13-Aug-2020 10:40:11 AM  
Auth. Dt&Tm : 13-Aug-2020 12:13:38 PM  
Print Dt&Tm : 13-Aug-2020 12:13:40 PM  
Sample ID. : 594645  
Location : OPD

<u>Test</u>	<u>Result</u>	<u>Units</u>		<u>Reference interval</u>	<u>Equipm</u>
<b>BLOOD UREA</b>					EM 2
<b>Blood Urea</b>	15.00	mg/dl	N	15 - 45	
<i>Method</i> : Ureases GLDH					
<b>Blood Urea Nitrogen</b>	<b>7.01</b>	mg/dl	L	8 - 23	
<i>Method</i> : Calculated					

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**DEPARTMENT OF LABORATORY MEDICINE**

**BIOCHEMISTRY**

Voucher No. : 4488580  
 AH No. : 375070  
 Name : MR. T KANAGASABAI  
 Age/ Sex : 43 YEARS / MALE  
 Referred. By : DR.DALMIA BHARAT SUGAR LTD  
 Lab.Reg.No : 39

Aut by : VSK  
 Coll. Dt&Tm : 13-Aug-2020 10:40:11 AM  
 Auth. Dt&Tm : 13-Aug-2020 12:13:39 PM  
 Print Dt&Tm : 13-Aug-2020 12:13:40 PM  
 Sample ID. : 594645  
 Location : OPD

**LIPID PROFILE**

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>Reference Interval</u>	<u>Equipm</u>
<b>SR CHOLESTEROL</b>	248.00	mg/dl		Desirable - Below 200 Borderline - 200-240 Undesirable - Above 240	EM 20
<i>Method : CHOD-PAP</i>					
<b>HDL CHOLESTEROL (HDL)</b>					EM 20
<b>HDL Cholesterol</b>	54.00	mg/dl		Desirable - Above 60 Borderline -40-59 Undesirable - Below 40	
<i>Method : Enzymatic Direct</i>					
<b>LDL CHOLESTEROL (LDL)</b>	168.00	mg/dl		Desirable - Below 130 Borderline - 130 - 160 Undesirable - Above 160	EM 20
<i>Method : Enzymatic Direct</i>					
<b>SERUM TRIGLYCERIDES</b>	169.00	mg/dl		Desirable - Below 150 Borderline -150 -499 Undesirable - Above 500	EM 20
<i>Method : GPO-ADPS enzymatic</i>					

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**HAEMATOLOGY**

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AH No. : 375070  
Name : MR. T KANAGASABAI  
Age/ Sex : 43 Years / Male  
Referred. By : Dr.DALMIA BHARAT SUGAR LTD  
Lab.Reg.No : 39

Aut by : VSK  
Coll. Dt&Tm : 13-Aug-2020 10:40:11 A  
Auth. Dt&Tm : 13-Aug-2020 12:29:56 P  
Print Dt&Tm : 13-Aug-2020 12:30:03 PM  
Sample ID : 594646  
Location : OPD

**HAEMATOLOGY**

**CBC AND ESR**

**Investigations**

**Peripheral Smear**

Morphology of Erythrocyte

Morphology of Leucocytes

ESR

Method : Automated Column

<u>Result</u>	<u>Units</u>	<u>Reference Range</u>	<u>Equipmen</u>
Normocytic Normochromic			
Within Normal Limit			
9.00	mm/end of 1 hrs	N 0 - 15	

Page 2 of 2 **Dr. Neeraja Kulkarni**  
M.D (Path)

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## DEPARTMENT OF LABORATORY MEDICINE

### BIOCHEMISTRY

Voucher No. : 4488580  
AH No. : 375070  
Name : MR. T KANAGASABAI  
Age/ Sex : 43 YEARS / MALE  
Referred. By : DR.DALMIA BHARAT SUGAR LTD  
Lab.Reg.No : 39

Aut by : VSK  
Coll. Dt&Tm : 13-Aug-2020 10:40:11 AM  
Auth. Dt&Tm : 13-Aug-2020 12:13:38 PM  
Print Dt&Tm : 13-Aug-2020 12:54:41 PM  
Sample ID. : 594645  
Location : OPD

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>Reference Interval</u>	<u>Equipment</u>
<b>FASTING BLOOD SUGAR</b>					EM 200
<b>Blood Sugar (Fasting)</b>	<b>118.00</b>	mg%	H	70 - 110	
<i>Method : GOD-POD</i>					

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**DEPARTMENT OF LABORATORY MEDICINE**

**BIOCHEMISTRY**

Voucher No. : 4488580  
AH No. : 375070  
Name : MR. T KANAGASABAI  
Age/ Sex : 43 YEARS / MALE  
Referred. By : DR.DALMIA BHARAT SUGAR LTD  
Lab.Reg.No : 39

Aut by : NAK  
Coll. Dt&Tm : 13-Aug-2020 01:37:40 PM  
Auth. Dt&Tm : 13-Aug-2020 02:48:48 PM  
Print Dt&Tm : 13-Aug-2020 02:48:50 PM  
Sample ID. : 594690  
Location : OPD

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>Reference Interval</u>	<u>Equipment</u>
<b>POST PRANDIAL SUGAR</b> <b>Blood Sugar (PP)</b> Method : GOD-POD	<b>219.00</b>	mg%	H	80 - 120	

  
**Dr. Neeraja Kulkarni**  
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**DEPARTMENT OF LABORATORY MEDICINE**

**CLINICAL PATHOLOGY**

Voucher No. : 4488580  
AHNo. : 375070  
Name : MR. T KANAGASABAI  
Age/ Sex : 43 Years / Male  
Reffered. By : Dr.DALMIA BHARAT SUGAR LTD  
Lab.Reg.No : 39

Aut by : NAK  
Coll. Dt&Tm : 13-Aug-2020 10:57:44  
Auth. Dt&Tm : 13-Aug-2020 01:04:08  
Print Dt&Tm : 13-Aug-2020 01:04:08 P  
Sample ID. : 594651  
Location : OPD

**CLINICAL PATHOLOGY**

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>Normal Range</u>
<b>URINE ROUTINE</b>				
<b>PHYSICAL EXAMINATION</b>				
Quantity	10.00	ml		
Colour	Pale Yellow			
Appearance	Clear			
Deposit	Absent			
Specific Gravity	1.020		N	1.015 - 1.035
Method : Strip				
<b>Chemical Examination</b>				
pH	6.0		N	4.5 - 8
Method : Strip				
Proteins	Absent			
Method : Strip				
Glucose	Absent			
Method : Strip or Benedicts				
Ketone	Absent			
Method : Strip				
urobilinogen	Negative			
Method : Strip				
Bile Pigment	Absent			
Method : Strip				
Nitrites	Negative			
Method : Strip				
<b>MICROSCOPIC EXAMINATION</b>				
Pus Cells	Nil	/hpf		0 - 5
Epithelial Cells	Nil	/hpf		0 - 4
Red Blood Cells	Absent	/hpf		0 - 2
Crystals	Absent			
Casts	Absent			

**Dr. Neeraja Kulkarni**  
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ID: 375070

Name: T Kanagasabai

Sex: M

Birth date: /

43 years

kg

mmHg

Medication:

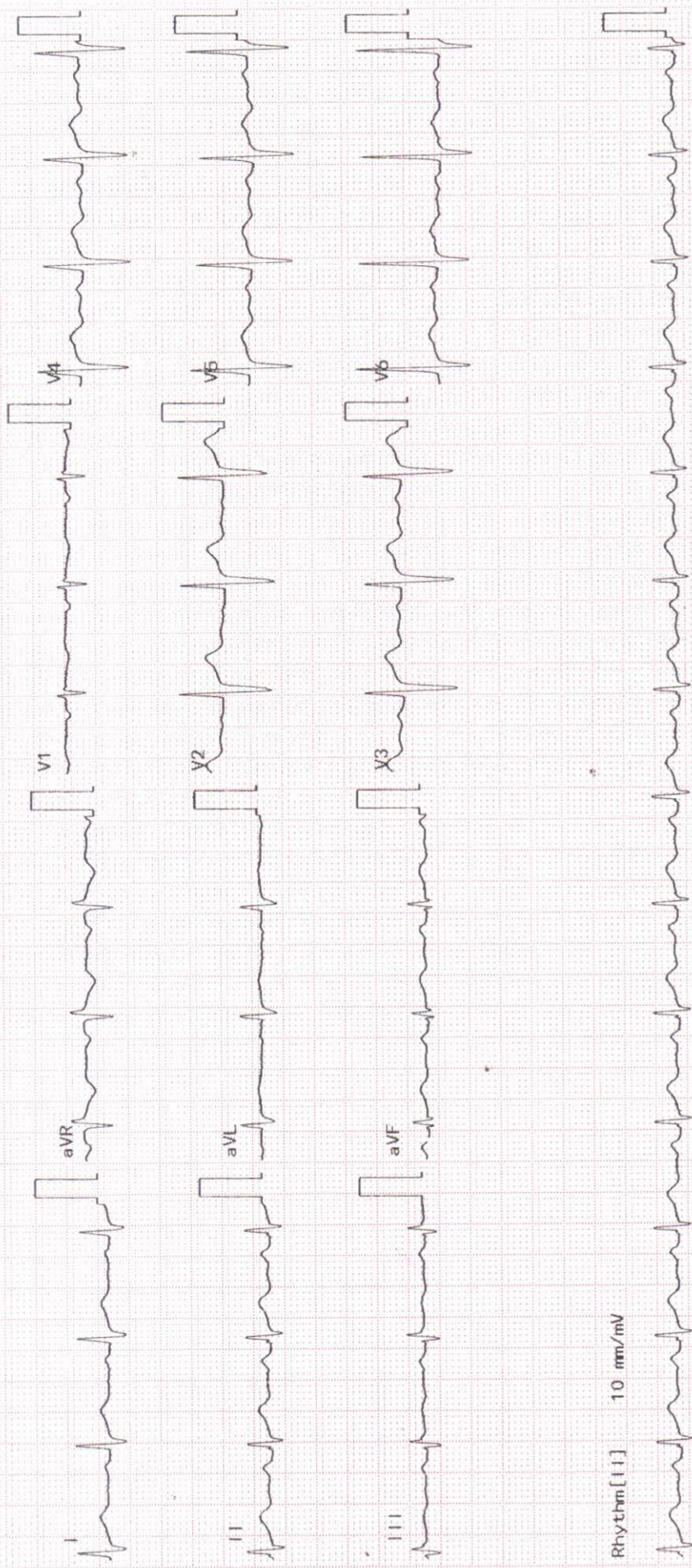
Symptoms:

History:

Vent. rate 86 bpm  
 PR int. 168 ms  
 QRS dur 92 ms  
 QT/QTc(E) int 338/ 382 ms  
 P/QRS/T axis 60/ 24/ 48 °  
 RV5/SV1 amp 1.03/ 0.36 mV  
 RV5+SV1 amp 1.40 mV

Unconfirmed Report  
Reviewed by:

10 mm/mV 25 mm/s Filter: H50 d 35 Hz 10 mm/mV 10 mm/mV 10 mm/mV





## DEPARTMENT OF RADIOLOGY

NAME : T KANAGASABAI AH NO. : 375070 LOCATION : OPD  
AGE : 43 YEARS SEX : MALE ADM NO. : EXAM NO. : 89382  
REF. BY : DR. DALMIA BHARAT SUGAR LTD ORDER NO. : 4488580 DATE : 13/08/2020

### X-RAY CHEST P. A.VIEW

Clinical profile : Health checkup.

#### Findings :

Both lung fields are essentially normal.

Both C.P. angles are clear.

Both domes of diaphragms are smooth and convex.

Cardiac silhouette appears normal.

Bony cage is normal.

#### IMPRESSION :-

-- No significant abnormality detected.

Suggest :- Clinical Correlation.

Dr.Santosh Sarudkar  
MD(Radiology)

*Santosh*  
Dr. Vijay Patil  
DNB, DMRD.



Enterprise Social Commitment (ESC)

Fuel Efficient Chulha Distribution Program



Solar lanterns distributed for Farmers





[Digital Literacy Mission \(World On Wheels\)](#)





Health Check up By Experts



**In School Two Sanitation Blocks are constructed,**

---



## School Eye Checkup Camps





Survey No-1405/06, Mayuri Residency, Shop No-16, 2nd Floor, Sanaswadi, Tal-Shirur, Pune-41220  
 Mob-+ 9545084620 | E-mail:gesec12@gmail.com | www.greenenvirosafe.co.in  
 CIN No. : U74900PN2013PTC149666

Recognised by Ministry of Environment, Forest & Climate Change (MoEF) Govt. of India and ISO/IEC 17025:2005 (NABL), ISO 9001:2015 and OHSAS 18001:2007 Certified Company

GESEC

CERTIFICATE OF NOISE LEVEL MONITORING	
Sample / Report Ref. No.	GSEC/PRO/20-21/11/246
Date of Report	05/10/2020
Name of Industry	M/s Dalmia Bharat Sugar & Industries Ltd. A/p- Asurle – Porle, Tal- Panhala, Dist- Kolhapur.
Sample Collected by	M/s SAHYADRI ENVIROCARE
Date of Sampling	29/09/2020

NOISE LEVEL MONITORING			
Sr.No.	Sampling location	Noise levels dB(A) (Day Time)	Noise levels dB(A) (Night Time)
1.	Near Main Gate	67.3	64.5
2.	Near Cane Yard	70.4	67.3
3.	Near Mill House	72.9	65.7
4.	Near Boiling House	73.5	69.1
5.	Near Distillery Fermentation	71.6	67.9
6.	Near Distillery Boiler Area	73.2	68.8


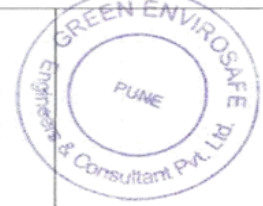

**Remarks :**

**1 Calibrations details :-**

Sr. No.	Instrument	Certificate No.	Last Calibrated on	Due Date
1	SE/NM-01	TECH/CAL/2020/09/11	04/09/2020	03/09/2021

**Remark:** All above results are within MPCB Standards.

Day Time Limit is < 75 decibels & Night time Limit is < 70 decibels

<p>ANALYZED BY</p> 		<p>AUTHORIZED SIGNATORY</p> 
--	---	---

**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.
- MoEF approved Lab by Govt. of India. From date. 09/02/2017 to 08/02/2022.



## Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

**FORM V****Environmental Audit Report for the financial Year ending the 31st March 2020****Unique Application Number**

MPCB-ENVIRONMENT\_STATEMENT-0000028384

**Submitted Date**

28-09-2020

**Company Information****Company Name**

Dalmia Bharat Sugar &amp; Industries Ltd.Sugar unit-Shri Datta Asurle-Porle

**Application UAN number**

0000092771

**Address**

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

**Plot no**

1746,1748 to 1756

**Taluka**

Panhala

**Village**

Asurle-Porle

**Capital Investment (In lakhs)**

380.3707

**Scale**

LSI

**City**

Kolhapur

**Pincode**

416229

**Person Name**

N.C.Paliwal

**Designation**

Dy.Executive Director

**Telephone Number**

0231-2664655

**Fax Number**

0231-2664655

**Email**

kop.sdsd@dalmiasugar.com

**Region**

SRO-Kolhapur

**Industry Category**

Red

**Industry Type**

R12 Sugar ( excluding Khandsari)

**Last Environmental statement submitted online**

yes

**Consent Number**

000074608/CR-2001000077 02/01/2020

**Consent Issue Date****Consent Valid Upto**

31/07/2020

**Product Information**

Product Name	Consent Quantity	Actual Quantity	UOM
Sugar	437400	115153.8	MT/A
Electricity	32	23	Mwh

**By-product Information By**

Product Name	Consent Quantity	Actual Quantity	UOM
Molasses	129600	45054.00	MT/A
Pressmud	129600	2213.200	MT/A
Baggase	939600	215790.000	MT/A

**1) Water Consumption in m3/day Water**

Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	900	700
Domestic	510	350
All others	150	150
	0	0

**Total** 1560 1200

**4 Effluent Generation in CMD / MLD**

Particulars	Consent Quantity	Actual Quantity	UOM
Effluent	900	600	CMD
Domestic	120	100	CMD

**5 Product Wise Process Water Consumption (cubic meter of process water per unit of product)**

Name of Products (Production)	During the Previous financial Year	During the current Financial year	UOM
Sugar	0.75	0.73	

**6 Raw Material Consumption (Consumption of raw material per unit of product)**

Name of Raw Materials	During the Previous financial Year	During the current Financial year	UOM
Sugar Cane	878690	910709	MT/A
Lime	1145	1384.2	MT/A
Sulphur	369	346	MT/A

**4) Fuel Consumption**

Fuel Name	Consent quantity	Actual Quantity	UOM
Baggase	574560	224593.2	MT/A
Coal	101520	16920	MT/A

**Pollution discharged to environment/unit of output (Parameter as specified in the consent issued)**

**[A] Water**

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
BOD	600	70	0	100	NA
COD	600	150	0	250	NA
TDS	600	1400	0	2100	NA
SS	600	30	0	100	NA
Sulphate	600	200	0	1000	NA
Chloride	600	60	0	600	NA

**[B] Air (Stack)**

Pollutants Detail	Quantity of Pollutants discharged (kL/day)	Concentration of Pollutants discharged(Mg/NM3)	Percentage of variation from prescribed standards with reasons	Standard	Reason
	Quantity	Concentration	%variation		
SPM	158500	45	0	150	NA

**HAZARDOUS WASTES**

**1) From Process**

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	2.4	2..0	MT/A

**• From Pollution Control Facilities**



<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	.0.80	0.70	MT/A

**SOLID WASTES**

**1) From Process**

<b>Non Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
ETP Sludge	5	7	MT/A
Fly Ash	4587	4580	MT/A

**2) From Pollution Control Facilities Non**

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
ETP Sludge	5	7	MT/A
Fly Ash	4587	3664	MT/A

**Quantity Recycled or Re-utilized within the unit**

<b>Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
5.1 Used or spent oil	5.90	1.90	MT/A

**Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.**

**1) Hazardous Waste**

**Type of Hazardous Waste Generated Qty of Hazardous Waste UOM Concentration of Hazardous Waste**

5.1 Used or spent oil	2.0	MT/A	NA
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**2) Solid Waste**

<b>Type of Solid Waste Generated</b>	<b>Qty of Solid Waste</b>	<b>UOM</b>	<b>Concentration of Solid Waste</b>
NA	0	MT/A	NA

**Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.**

<b>Description</b>	<b>Reduction in Water Consumption (M3/day)</b>	<b>Reduction in Fuel &amp; Solvent Consumption (KL/day)</b>	<b>Reduction in Raw Material (Kg)</b>	<b>Reduction in Power Consumption (KWH)</b>	<b>Capital Investment(in Lacs)</b>	<b>Reduction in Maintenance(in Lacs)</b>
Process	200	0	0	0	10.00	2.0

**Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.**

**Investment made during the period of Environmental Statement**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Plantation of trees , provision of 75 acres land for irrigation , regular operation and maintenance of APC andETP,	Plantation of trees, continuous efforts to achieve ZLD	10.00

**Investment Proposed for next Year**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
ETP , EMC ,Greenbelt development,Recycling Reuse of wastes and achieved ZLD	Plantation of trees, ZLD	15.00

**Any other particulars in respect of environmental protection and abatement of pollution.**

### **Particulars**

We have provided APC in the form of ESP to both Boilers as well as provision Primary Secondary & Tertiary treatment for Effluent treatment, also Online monitoring system with connectivity to MPCB & CPCB Server is installed. Treated effluent is used for on land irrigation and green belt development of about 75 acres land. Recycle and Reuse of waste generated in the process.

### **Name & Designation**

Mr.N.C.Paliwal, Deputy Executive Director



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

**FORM V**

**Environmental Audit Report for the financial Year ending the 31st March 2020**

**Unique Application Number**

MPCB- ENVIRONMENT\_STATEMENT-0000028960

**Submitted Date**

29-09-2020

**Company Information**

**Company Name**

Dalmia Bharat Sugar & Industries Ltd , Distillery Unit  
,Asurle-Porle

**Application UAN number**

MPCB-CONSENT-0000051533

**Address**

A/P Asurle Porle Taluka Panhala Dist Kolhapur

**Plot no**

1764,1765,1852,1854,1855 Asurle Porle

**Taluka**

Panhala

**Village**

Kolhapur

**Capital Investment (In lakhs)**

6879.30

**Scale**

L.S.I

**City**

Kolhapur

**Pincode**

416229

**Person Name**

Anand Kadam

**Designation**

Deputy General Manager

**Telephone Number**

914699860

**Fax Number**

0231-2664655

**Email**

sannikhil1971@gmail.com

**Region**

SRO-Kolhapur

**Industry Category**

Red

**Industry Type**

R60 Distillery ( molasses / grain  
/yeast based)

**Last Environmental statement submitted  
online**

yes

**Consent Number**

MPCB-CONSENT RED/LSI(R60) No.Format  
No-1.0/CAC/UAN NO. MPCB -  
CONSENT-0000081314 &  
0000066565/CO-2003000593 Dated  
11.03.2020

**Consent Issue Date**

11/03/2020

**Consent Valid Upto**

31.8.2020

**Product Information**

<b>Product Name</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Rectified Spirit /Extra Neutral Alcohol/Ethanol /Absolute Alcoho	24750	14497	KL/A
Fusel Oil	52.8	46.08	KL/A

**By-product Information**

<b>By Product Name</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
NA	NA	NA	MT/A

**1) Water Consumption in m3/day Water**

<b>Consumption for Process</b>	<b>Consent Quantity in m3/day</b>	<b>Actual Quantity in m3/day</b>
	600	596
<b>Cooling</b>	05.0	04.0

<b>Domestic</b>	05.0	04.0
<b>All others</b>	NA	NA
<b>Total</b>	610	604

#### 1) Effluent Generation in CMD / MLD

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Spent wash	600 CMD	600 (250 CMD After concentration in MEE)	CMD
Domestic	4.0	4.0	CMD

#### ● Product Wise Process Water Consumption (cubic meter of process water per unit of product)

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Distillery including Fermentation Industry	280	280	CMD
Distillery including Fermentation Industry	40	40	CMD

#### ● Raw Material Consumption (Consumption of raw material per unit of product)

<b>Name of Raw Materials</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Sulphuric Acid	16.40	19011	KL/A
Molasses	56190	51025	MT/A
Nutrient (N & P)	33.22	25.730	MT/A
Turkey Red Oil	15.0	18.8	KL/A

#### 4) Fuel Consumption

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
Concentrated Spent wash	82500	29841	KL/A
Coal	31680	17979	MT/A

#### Pollution discharged to environment/unit of output (Parameter as specified in the consent issued) [A]

##### Water

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
SPENT WASH	600 (250 CMD after concentration in MEE)	IN INCREATION BOILER	0	0	NA

##### [B] Air (Stack)

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day)</b>	<b>Concentration of Pollutants discharged(Mg/NM3)</b>	<b>Percentage of variation from prescribed standards with reasons</b>	<b>Standard</b>	<b>Reason</b>
	<b>Quantity</b>	<b>Concentration</b>	<b>%variation</b>		
SPM	2.88	45	0	0	NA

#### HAZARDOUS WASTES

##### 1) From Process

<b>Hazardous Waste Type</b>	<b>Total During Previous Financial year</b>	<b>Total During Current Financial year</b>	<b>UOM</b>
0	0	0	Kg/Annum

##### ● From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	0	0	Kg/Annum

**SOLID WASTES**

**1) From Process**

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Distillation Residue	5686	3496	MT/A

**2) From Pollution Control Facilities Non**

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	6680	5021	MT/A

**Quantity Recycled or Re-utilized within the unit**

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
0	NA	NA	Kg/Annum

Please specify the characteristics(in terms of concentration and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both these categories of wastes.

**1) Hazardous Waste**

Type of Hazardous Waste Generated	Qty of Hazardous Waste	UOM	Concentration of Hazardous Waste
0	0	Kg/Annum	NA

**2) Solid Waste**

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	5021	MT/A	WITHIN LIMITS
Distillation Residue	3496	MT/A	WITHIN LIMITS

**Impact of the pollution Control measures taken on conservation of natural resources and consequently on the cost of production.**

Description	Reduction in Water Consumption (M3/day)	Reduction in Fuel & Solvent Consumption (KL/day)	Reduction in Raw Material (Kg)	Reduction in Power Consumption (KWH)	Capital Investment(in Lacs)	Reduction in Maintenance(in Lacs)
MULTIPAL EVAPORATEOR	10	0.4	0	2	1500	150
GREEN BELT AND	0	0	0	0	3.0	1.0

**Additional measures/investment proposal for environmental protection abatement of pollution, prevention of pollution.**

**Investment made during the period of Environmental Statement**

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Provision of Multiple Evaporator and Incineration	Distillery is running on ZLD concept & development of Green belt	1500

**Investment Proposed for next Year**

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Green Belt Addition	Distillery is ZLD & development of Green belt	Rs.4.0Lack investment in Green belt development

**Any other particulars in respect of environmental protection and abatement of pollution.**

**Particulars**

Provision of spent wash reduction through Multiple Effect Evaporator, followed by Incineration Boiler with ESP and stack .  
Green belt of about 2 acres.

**Name & Designation**

Anand Kadam GM

Newspaper advertisements are enclosed as

