

DBSIL/MOEF&CC/2614/2020-21

Date 27.06.2020

To.
The Regional Office (West Central Zone)
Ministry of Environment Forest & Climate Change
Nagpur.

Sub.: Point wise Compliance report for Environment Clearance for the period from
1st October 2019 to 31st March 2020.

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

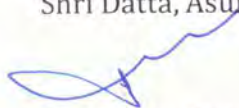
Respected Sir,

With reference to the above subject please find attached the point wise Compliance report for Environment Clearance for the period from 1st October 2019 to 31st March 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) at Village Asurle-Porle, Tehsil Panhala, District Kolhapur (Maharashtra) by M/s Dalmia Bharat Sugar and Industries Limited- Shri Datta .

This is for your kind information and record please.

Thanking you,

Yours faithfully
For Dalmia Bharat Sugar & Industries Limited
Shri Datta, Asurle-Porle



Authorized Signatory



C.C. to: The Regional Officer, Maharashtra Pollution Control Board.Kolhapur-416003.

Dalmia Bharat Sugar and Industries Limited

Sugar Unit – Shri Datta

Village- Asurle-Porle, Post- Porle Tarf Thane, Taluka – Panhala, District - Kolhapur- 416229, Maharashtra

t 91 231 2664 655 w www.dalmiasugar.com CIN : L26942TN1951PLC000640

A **Dalmia Bharat Group** company, www.dalmiabharat.com

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 04th
February 2015**

Compliance Period: 1st October 2020 to 31st March 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**

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** : 1st October 2019 to 31st March 2020.
3. **Ref: EC Vide 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 04th February, 2015.

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

Sr. No.	Specific Condition	Compliance Status
	Compliance Status of EC vide letter no. -11011/305/2016-IA II (I) dated 10th August, 2017	
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 th 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 Annexure 1 .
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% 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"> • 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. • 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. 	<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 Annexure-2.</p> <p>Expenditures on CSE activities during the period 1st October 2019 to 31st March 2020. is Rs 500000/- (Pic Attached).</p> <ul style="list-style-type: none"> • 2000 trees per year have been planted In nearby villages with the consultation of the villagers.
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 Zero Effluent Discharge . 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 Annexure -3
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.
Compliance Status of Environmental Clearance: J-11011/277/2013 IA II (I) Dated 04.02.2015 amended on 10.08.2016		
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 Annexure – 4. Continuous online monitoring system for stack emissions has already been installed by the company. The photographs of the same have been incorporated as Annexure – 5.

	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 & 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"> • Water sprinkling system at bagasse yard. • Water Tankers are being used for dust suppression. • Covered conveyors for transporting bagasse and for coal storage. • Storage of finished goods in covered sheds. <p>Fugitive emissions are being monitored at Bagasse yard, Distillation House, Cane yard & Sugar Godown. As per monitoring data the emission levels found to be within prescribed limits.</p> <p>Water sprinkling systems, Closed Storage, covered fuel handling System is in place. Photographs has been attached as Annexure 6.</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) & CO has been carried out at four locations within the plant. Monitoring results are enclosed as Annexure 7. 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 & 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.</p>	<p>Complied.</p> <ul style="list-style-type: none"> • Waste sludge and spent wash are transported through closed pipelines. • Anaerobic treatment is not required due to incineration route is adopted. • Spent wash is being concentrated in MEE and incinerated in incineration boiler. Spent lees and condensate water after treatment in CPU is being recycled back in process. • Concentrated spent wash used directly into the boiler with minimum retention time. • 33% greenbelt/plantation developed all around the plant boundary helps in reducing the odour, noise level, arresting dust and improves the environment in surrounding.
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 ³ /day. Prior permission for the drawl of 1250 m ³ /day water shall be obtained from the competent authority and submitted to the MoEF &CC's Regional office.	Complied.
ix	Spent Wash generation for Molasses shall not exceed 8 KL/KL of alcohol produced (i.e 480 m ³ 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"> • Spent wash generation from molasses has not exceeded 8KL/KL of Alcohol production. • The spent wash from molasses based distillery is being concentrated in MEE and incinerated in incineration boiler. Spent lees and condensate water after treatment is being recycled back in process and cooling towers. • No effluent is being /will be discharged outside the distillery plant premises and Zero Effluent Discharge condition is being followed. <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 Annexure-08.</p>
x	Waste water generation from the sugar unit shall not exceed 100 lit per Ton of crushed that is 750 m ³ /day. Effluent from sugar unit shall be treated in the Effluent Treatment Plant (ETP). Water quality of treated effluent shall be	<p>Complied.</p> <p>2. Effluent from Sugar Unit & 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 & ETP has been attached as Annexure-09.</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 & 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"> • No ground water withdrawal in the plant premises. • Installation of modern integrated evaporation system followed by incinerator boiler to consume generated spent wash. Hence no spillage is ensured. • Construction of pucca RCC lagoon in sugar plant for avoiding any spillage. • Ground water analysis report (<i>sample collected nearby the plant</i>) . Annexure 10
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 & dust shall be avoided.</p>	<p>Complied.</p> <ul style="list-style-type: none"> • Sugar Plant is a seasonal industry and does not operate in rainy season. • Storage of bagasse is maintained scientifically with the adoption of sprinkling system along with covered conveying. • Fly ash is being stored separately as per CPCB guidelines. • Ash from the boiler is utilized in in-house brick manufacturing facility and balance given to the Brick manufacturers.
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 & 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 Annexure 11.</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 & first aid facilities in the occupational health centre is strengthened with proper record. Records are being maintained at the plant.</p> <p>Sample Health reports have been attached as Annexure 12.</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 th 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 Annexure 2 . Photographs of CSR Activity have been attached as Annexure 13 .

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 Annexure 14 .
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.	<p>wash.</p> <p>Effluent Treatment Plant with Online Effluent Quality Monitoring System is in place.</p> <p>Green belt has been developed Water sprinkle system has been provided for controlling the fugitive emissions.</p> <p>Air Cooled condensers have been provided for reducing the water requirement.</p> <p>Regular Environmental quality monitoring is being done.</p>
ix	The company shall undertake all relevant measures for improving the Socio-- economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	<p>Complied</p> <p>An amount of Rs. 500000 /- has been spent towards CSR activities during 1st October 2019 to 31st March 2020.</p> <p>Plantation in nearby villages to be undertaken under eco-development measures.</p>
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 st March, Form-V to the Maharashtra Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986. <i>Sugar Mill & 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 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	We have already published the accordance of Environmental Clearance in two local newspapers. Maharashtra Times on dated 03.09.2017 and Punyanagari on dated 04.09.2017 Annexure – 16.

	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





Expenditure on ESC

Expenditures on CSE activities during the period 1st April 19 to 30th September 2019.

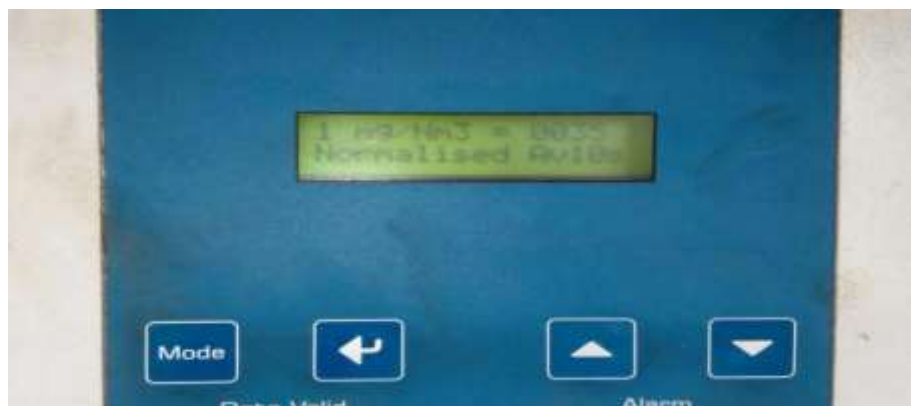
Sr. No.	Work details	Expenditure (Rs)
1	Sanitizer of 4000 Litters have been distributed to Government Hospitals and Institutions during COVID -19.	500000 /- INR



Continuous Online Monitoring System for Stack.



Online display for Stack Particulate Matter value



Continuous Online Monitoring System for Effluent Treatment Plant

ETP Outlet Online Monitoring System Results.



Probes for online monitoring of treated water quality



GESEC

TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/514	Date of Report : 16/01/2020
Client Name and Address: Shree Datta Sakhar Karkhana (A Unit of Dalmia Bharat Sugar Industries Ltd., A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra (India)	Date of Sampling: 04/01/2020
	Start Date of Analysis: 06/01/2020
	End Date of Analysis: 08/01/2020
	Sample Location: Stack
	Sample Details : 120 TPH Boiler with ESP (Co generation)
Sample Collected By : Precision Envirotech	Time of Sampling: 2.00 p.m.

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)
1.	Material of Stack	RCC	--
2.	Stack Height from G.L.	76	Mtr.
3.	Type of Fuel	Bagasse	--
4.	Sampling Duration	25	Min.
5.	Flue Gas Temperature	396	°K
6.	Differential Pressure	0.9	mmWG
7.	Velocity	3.59	M/s
8.	Diameter of Stack	3.0	Mtr.
9.	Stack Area	7.065	M ²
10.	Gas Volume	68676.65	NM ³ /Hr
11.	Particulate Matter	49	mg/NM ³
12.	Oxide of Sulphur (SO _x)	18.0	mg/NM ³
13.	Oxide of Nitrogen (NO _x)	16.0	mg/NM ³

Remark(s):

➤ N.S.: - Not Specified

ANALYZED BY-

[Handwritten Signature]



AUTHORIZED SIGNATORY-

[Handwritten Signature]

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.

GESEC

TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/515	Date of Report	16/01/2020
Client Name and Address: Shree Datta Sakhar Karkhana (A Unit of Dalmia Bharat Sugar Industries Ltd., A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra (India)	Date of Sampling	04/01/2020
	Start Date of Analysis	06/01/2020
	End Date of Analysis	08/01/2020
	Sample Location	Stack
	Sample Details	40 TPH Boiler with ESP (Sugar)
	Time of Sampling	1.00 p.m.
Sample Collected By : Precision Envirotech		

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	RCC	--	
2.	Stack Height from G.L.	75	Mtr.	
3.	Type of Fuel	Bagasse	--	
4.	Sampling Duration	25	Min.	
5.	Flue Gas Temperature	388	°K	
6.	Differential Pressure	0.96	mmWG	
7.	Velocity	3.66	M/s	
8.	Diameter of Stack	2.5	Mtr.	
9.	Stack Area	4.90625	M ²	
10.	Gas Volume	49717.94	NM ³ /Hr	
11.	Particulate Matter	46	mg/NM ³	≤ 150
12.	Oxide of Sulphur (SO _x)	15.2	mg/NM ³	--
13.	Oxide of Nitrogen (NO _x)	17.8	mg/NM ³	N.S.

Remark(s):

➤ N.S.: - Not Specified

ANALYZED BY-

Rath



AUTHORIZED SIGNATORY-

Prandev

Terms and conditions

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

TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/516	Date of Report	16/01/2020
Client Name and Address: Shree Datta Sakhar Karkhana (A Unit of Dalmia Bharat Sugar Industries Ltd., A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra (India)	Date of Sampling	04/01/2020
	Start Date of Analysis	06/01/2020
	End Date of Analysis	08/01/2020
	Sample Location	Stack
	Sample Details	22 TPH Spent wash Incineration Boiler with ESP (Distillery)
	Time of Sampling	4.00 p.m.
Sample Collected By: Precision Envirotech		

Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	RCC	--	
2.	Stack Height from G.L.	62	Mtr.	
3.	Type of Fuel	Coal & Spentwash	--	
4.	Sampling Duration	25	Min.	
5.	Flue Gas Temperature	396	°K	
6.	Differential Pressure	0.98	mmWG	
7.	Velocity	3.74	M/s	
8.	Diameter of Stack	1.93	Mtr.	
9.	Stack Area	2.924046	M ²	
10.	Gas Volume	29634.21	NM ³ /Hr	
11.	Particulate Matter	54	mg/NM ³	≤ 150
12.	Oxide of Sulphur (SO _x)	22.60	mg/NM ³	--
13.	Oxide of Nitrogen (NO _x)	24.20	mg/NM ³	N.S.

Remark(s):

- N.S.: - Not Specified

ANALYZED BY-			AUTHORIZED SIGNATORY-	
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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

TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/516	Date of Report	16/01/2020
Client Name and Address: Shree Datta Sakhar Karkhana (A Unit of Dalmia Bharat Sugar Industries Ltd., A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra (India))	Date of Sampling	04/01/2020
	Start Date of Analysis	06/01/2020
	End Date of Analysis	08/01/2020
	Sample Location	Stack
	Sample Details	22 TPH Spent wash Incineration Boiler with ESP (Distillery)
	Time of Sampling	4.00 p.m.
Sample Collected By: Precision Envirotech		

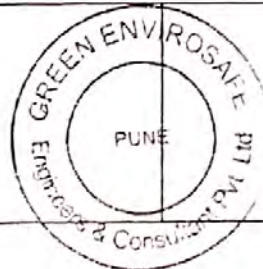
Source Emission Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Limits As Per MPCB Consent
1.	Material of Stack	RCC	--	
2.	Stack Height from G.L.	62	Mtr.	
3.	Type of Fuel	Coal & Spentwash	--	
4.	Sampling Duration	25	Min.	
5.	Flue Gas Temperature	396	°K	
6.	Differential Pressure	0.98	mmWG	
7.	Velocity	3.74	M/s	
8.	Diameter of Stack	1.93	Mtr.	
9.	Stack Area	2.924046	M ²	
10.	Gas Volume	29634.21	NM ³ /Hr	
11.	Particulate Matter	44	mg/NM ³	≤ 150
12.	Oxide of Sulphur (SO _x)	22.60	mg/NM ³	--
13.	Oxide of Nitrogen (NO _x)	24.20	mg/NM ³	N.S.

Remark(s):

➤ N.S.: - Not Specified

ANALYZED BY-



AUTHORIZED SIGNATORY-

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Annexure 5

Photographs showing Existing Air Pollution Control Measures



Photographs Showing Fugitive Emission Control Measures



TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/510	Date of Report : 16/01/2020
Client Name and Address: Shree Datta Sakhar Karkhana (A Unit of Dalmia Bharat Sugar Industries Ltd., A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra (India)	Date of Sampling: 04/01/2020
	Start Date of Analysis: 06/01/2020
	End Date of Analysis: 08/01/2020
	Sample Details : Ambient Air
	Sample Location: Bagasse Storage Yard
Time of Sampling: 9.00 A.M.	
Sample Collected By :	Precision Envirotech

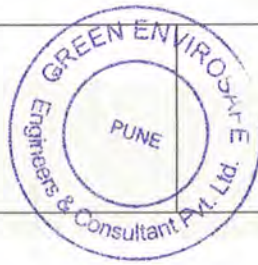
Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)
1.	Ambient Temperature	31	°C
2.	Dry Bulb Temperature	31	°C
3.	Wet Bulb Temperature	27	°C
4.	Relative Humidity	62	% RH
5.	Sampling Duration	480	Min
6.	Sulphur Dioxide(SO ₂)	21.0	µg/M ³
7.	Oxides of Nitrogen(NOx)	25.6	µg/M ³
8.	Particulate Matter PM ₁₀	80.2	µg/M ³
9.	Particulate Matter PM _{2.5}	30.0	µg/M ³
10	CO	118	µg/M ³
11	HC	BDL	µg/M ³

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

ANALYZED BY-

AUTHORIZED SIGNATORY



Terms and conditions

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TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/511

Date of Report : 16/01/2020

Client Name and Address:

Date of Sampling:04/01/2020

Shree Datta Sakhar Karkhana

Start Date of Analysis : 06/01/2020

(A Unit of Dalmia Bharat Sugar Industries Ltd.,

End Date of Analysis: 08/01/2020

A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra

Sample Details : Ambient Air

(India)

Sample Location: Distillation House

Time of Sampling: 8.30 A.M.

Sample Collected By : Precision Envirotech

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)
1.	Ambient Temperature	32	°C
2.	Dry Bulb Temperature	31	°C
3.	Wet Bulb Temperature	27	°C
4.	Relative Humidity	62	% RH
5.	Sampling Duration	480	Min
6.	Sulphur Dioxide(SO ₂)	26.6	µg/M ³
7.	Oxides of Nitrogen(NO _x)	25.8	µg/M ³
8.	Particulate Matter PM ₁₀	72.4	µg/M ³
9.	Particulate Matter PM _{2.5}	25.6	µg/M ³
10	CO	124	µg/M ³
11	HC	BDL	µg/M ³

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

ANALYZED BY-



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



GESEC

TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/512	Date of Report : 16/01/2020
Client Name and Address: Shree Datta Sakhar Karkhana (A Unit of Dalmia Bharat Sugar Industries Ltd., A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra (India)	Date of Sampling: 04/01/2020
	Start Date of Analysis : 06/01/2020
	End Date of Analysis: 08/01/2020
	Sample Details : Ambient Air
	Sample Location: Cane Yard
Sample Collected By Precision Envirotech	Time of Sampling: 9.20 A.M.

Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)
1.	Ambient Temperature	32	°C
2.	Dry Bulb Temperature	31	°C
3.	Wet Bulb Temperature	27	°C
4.	Relative Humidity	62	% RH
5.	Sampling Duration	480	Min
6.	Sulphur Dioxide(SO ₂)	27.6	µg/M ³
7.	Oxides of Nitrogen(NO _x)	23.6	µg/M ³
8.	Particulate Matter PM ₁₀	84.4	µg/M ³
9.	Particulate Matter PM _{2.5}	30.8	µg/M ³
10	CO	128	µg/M ³
11	HC	BDL	µg/M ³

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

ANALYZED BY-

[Handwritten Signature]



AUTHORIZED SIGNATORY

[Handwritten Signature]

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TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/513	Date of Report : 16/01/2020
Client Name and Address: Shree Datta Sakhar Karkhana (A Unit of Dalmia Bharat Sugar Industries Ltd., A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra (India)	Date of Sampling: 04/01/2020
	Start Date of Analysis : 06/01/2020
	End Date of Analysis: 08/01/2020
	Sample Details : Ambient Air
	Sample Location: Near Sugar Godown
Sample Collected By Precision Envirotech	Time of Sampling: 9.45 A.M.

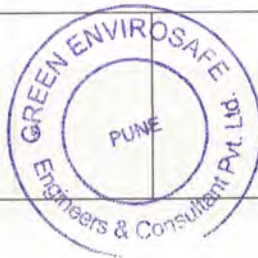
Ambient Air Analysis Report

Sr. No.	Parameter	Result	Unit(s)
1.	Ambient Temperature	32	°C
2.	Dry Bulb Temperature	31	°C
3.	Wet Bulb Temperature	27	°C
4.	Relative Humidity	62	% RH
5.	Sampling Duration	480	Min
6.	Sulphur Dioxide(SO ₂)	24.8	µg/M ³
7.	Oxides of Nitrogen(NOx)	24.0	µg/M ³
8.	Particulate Matter PM ₁₀	70.8	µg/M ³
9.	Particulate Matter PM _{2.5}	26.8	µg/M ³
10	CO	118	µg/M ³
11	HC	BDL	µg/M ³

Remark-

- All above results are within National Ambient Air Quality standards.
- BDL – Below Detectable Limit.

ANALYZED BY-

AUTHORIZED SIGNATORY



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Photographs of RO based Process condensate Treatment Plant and 5 days spent wash storage tank.



EFFLUENT TREATMENT PLANT

Aeration Tank

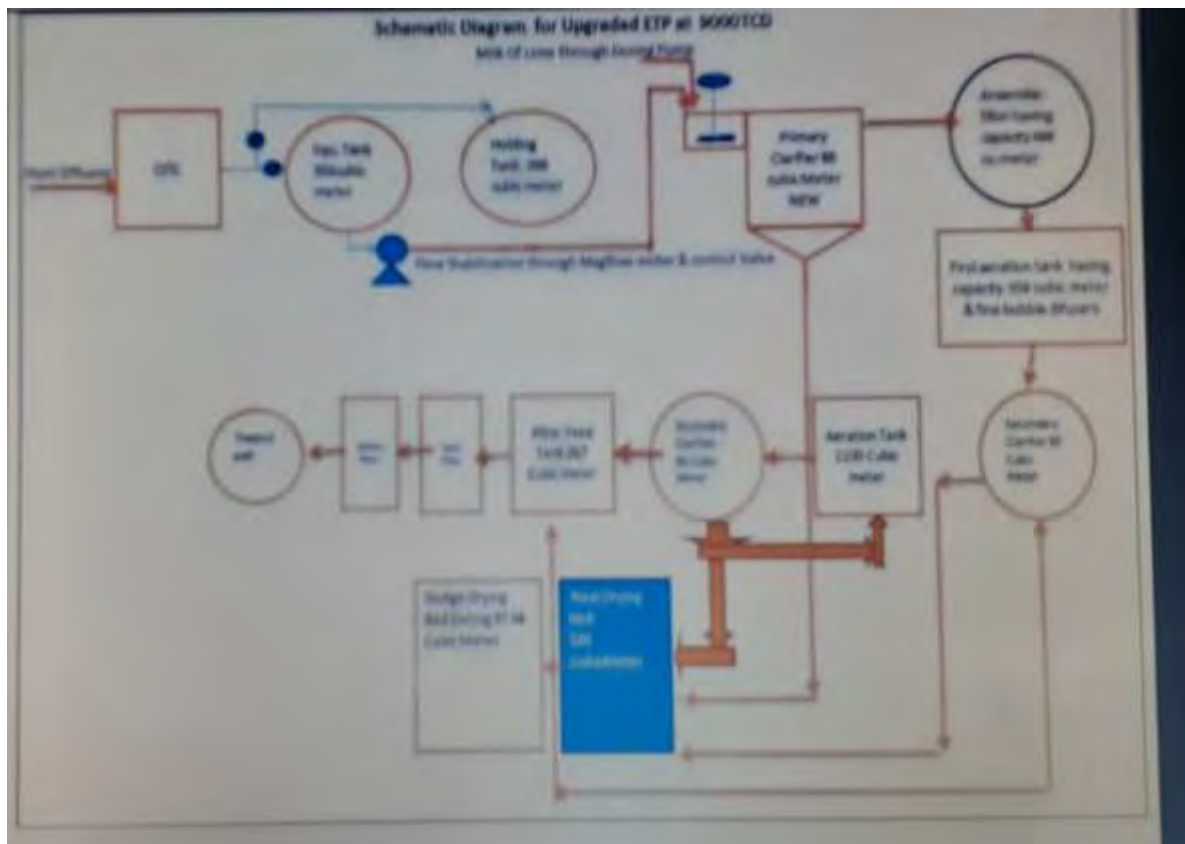


Online monitoring system DisplayProbe for online monitoring of treated water quality



ETP inlet Effluent Flow meter ETP Outlet flow







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TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/517

Date of Report : 16/01/2020

Client Name and Address:
Shree Datta Sakhar Karkhana
(A Unit of Dalmia Bharat Sugar Industries Ltd.,
A/P. Asurle Porle, Tal.: Panhala, Kolhapur
Maharashtra (India) .

Date of Sampling : 04/01/2020

Start Date of Analysis : 06/01/2020

End Date of Analysis: 11/01/2020

Sample Details : Open Well Water Sample
Mr. Ananda Shankar Lad located
near Lagoon downstream of plant

Sample Collected By :

Precision Envirotech

Water Analysis Report

Sr. No.	Parameter	Result	Unit(s)	Standard Method
Physical Parameter				
1.	Total Dissolved Solids	789	mg/lit	APHA 2540-C
2.	Total Suspended Solid	42	mg/lit	APHA 2540-D
Chemical Parameter				
3.	pH	7.32	--	APHA 4500-H ⁺
4.	Total Hardness	438	mg/lit	APHA 5520 B
5.	Turbidity	8	mg/lit	IS : 3025 (Part 10):1984
6.	Residual Chlorine	Nil	mg/lit	IS : 3025 (Part 26)1986
7.	Total Alkalinity	122	mg/lit	IS : 3025 (Part 13)1964
8.	Iron	0.14	mg/lit	AAS Method
9.	Calcium	34.4	mg/lit	IS : 3025 (Part 40)1991
10.	Magnesium	25.2	mg/lit	IS : 3025 (Part 46)
11.	Sulphates	42.4	mg/lit	APHA 4500 SO ₄ ⁻ E
12.	Chlorides	98	mg/lit	APHA 4500 Cl ⁻ B

Remark(s): All parameters are well within irrigation standards. It is suggested to use for domestic purpose after filtration and disinfection.

ANALYZED BY-

Pethy



AUTHORIZED SIGNATORY

Ananda

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भारत सरकार

Government of India

वाणिज्य और उद्योग मंत्रालय

Ministry of Commerce & Industry

पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पैसो)

Petroleum & Explosives Safety Organisation (PESO)

ए-1 और ए-2 विंग, पांचवा तल, केंद्रीय कार्यालय परिसर, सी.बी.डी. बेलपुर

नवी मुंबई (महा.)- 400614

A1 & 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 'सॉल्वेन्ट, 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>)



OUT PATIENT DEPARTMENT


Date 09/11/2019
O.W.No.76/11/2019

MEDICAL CERTIFICATE

This is to certify that **Mr. Rahul Sham Admile**, Age 42 Yrs, Male (AH No.364942) 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
MBBS, DNB (Family Medicine)
Reg No 2006/11 3395

**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 JUDICIAL/ EXECUTIVE MATTERS.**





OPD ASSESMENT FORM

Date: _____

Time: _____

Chief Complaints:

No Comorbidity

Asymptomatic

o/e → P - 84 hr

BP - 134/80

RS - Clear

aw - S1 S2

CXR - WNL

Labs - (N)

ECA - WNL

Significant Medical / Surgical History:

Ph

No

et alim intake

Rx

Cp

U2pan

DSR

(10)

1 AT. stomach

Dr. A. Kumar

Nutritional Status:

Preventive Care:

Diet: Soft / Regular / Diabetic / Salt Restricted / Clear Liquid / RT / NBM / Renal

Vitals :

Pulse : _____ BP : _____ Temp : _____ Height : _____ Weight : _____

Systemic Examination :

Plan of Care / Medication :

Investigations :

Referral if any:

Follow up Advice :

* Note : For follow up visit please carry this paper along with you

* फॉलोअप व्हिजिटसाठी येताना हा पेपर सोबत आणावा



HAEMATOLOGY

Voucher No. : 4134791
AH No. : 364942
Name : MR. RAHUL SHAM ADMILE
Age/ Sex : 42 Years / Male
Referred. By : Dr.DALMIA BHARAT SUGAR LTD

Aut by : DPA
Coll. Dt&Tm : 09-Nov-2019 10:49:35 A
Auth. Dt&Tm : 09-Nov-2019 12:35:18 P
Print Dt&Tm : 09-Nov-2019 12:35:25 PM
Sample ID. : 540700
Location : OPD

HAEMATOLOGY

CBC AND ESR

<u>Investigations</u>	<u>Result</u>	<u>Units</u>		<u>Reference Range</u>
CBC				
Haemoglobin	14.70	gms%	N	13 - 17
Haematocrit	43.90	%	N	40 - 50
MCV	84.40	fl	N	80 - 96
MCH	28.30	pg	N	27.5 - 33.2
MCHC	33.50	g/dl	N	33.4 - 35.5
RBC Count	5.20	millions/cumm	N	4.5 - 5.9
Platelet Count	189,000.00	cumm	N	150000- 450000
Total Leucocyte Count	5,250.00	cumm	N	4000 - 11000
Differential Count				
Neutrophils	60.00	%	N	40 - 75
Lymphocytes	25.00	%	L	30 - 42
Eosinophils	6.00	%	N	1 - 6
Monocytes	9.00	%	N	1 - 10
Basophils	0.00	%	N	0 - 1
Peripheral Smear				
Morphology of Erythrocyte	Normocytic Normochromic			
Morphology of Leucocytes	Within Normal Limit			
Comments	-			
ESR	5.00	mm/end of 1 hrs	N	0 - 15

Handwritten signature

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)

Fully Automated Hematology | Clinical Pathology | Bio-chemistry | Cytology | Histopathology | Serology | Microbiology

Hormonal Assays / Tumour Markers | Automated Coagulation Studies | Arterial Blood Gas & Electrolytes Analysis | Drug Assays



Sample No.: 63
 Patient ID: 364942
 Name: 63 RAHUL ADMILE
 Sample Comment:

Ward: Adapter:

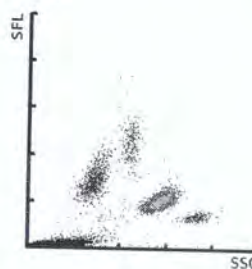
Pos.: 2019/11/09 11:26:22 WB
 Doctor:
 Birth: Sex:
 Nickname: XN-L

Negative

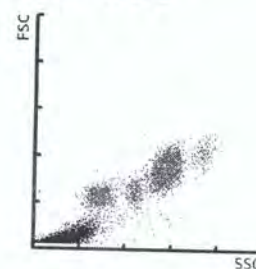
(A) (H)
 60
 25
 6g

WBC	5.25	[10 ³ /uL]		
RBC	5.20	[10 ⁶ /uL]		
HGB	14.7	[g/dL]		
HCT	43.9	[%]		
MCV	84.4	[fL]		
MCH	28.3	[pg]		
MCHC	33.5	[g/dL]		
PLT	189	[10 ³ /uL]		
RDW-SD	38.3	[fL]		
RDW-CV	12.6	[%]		
PDW	11.7	[fL]		
MPV	10.2	[fL]		
P-LCR	26.1	[%]		
PCT	0.19	[%]		
NEUT	3.13	[10 ³ /uL]	59.6	[%]
LYMPH	1.33	[10 ³ /uL]	25.3	[%]
MONO	0.46	[10 ³ /uL]	8.8	[%]
EO	0.30	[10 ³ /uL]	5.7	[%]
BASO	0.03	[10 ³ /uL]	0.6	[%]
IG	0.01	[10 ³ /uL]	0.2	[%]

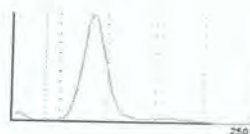
WDF



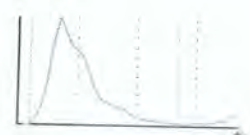
WDF-CBC



RBC



PLT



Error/Rule Comments:

WBC-BF	[10 ³ /uL]	
RBC-BF	[10 ³ /uL]	
MN	[10 ³ /uL]	[%]
PMN	[10 ³ /uL]	[%]
TC-BF#	[10 ³ /uL]	

WBC IP Message

RBC IP Message

PLT IP Message



HAEMATOLOGY

Voucher No. : 4134791
AH No. : 364942
Name : MR. RAHUL SHAM ADMILE
Age/ Sex : 42 Years / Male
Referred. By : Dr.DALMIA BHARAT SUGAR LTD

Aut by : GSP
Coll. Dt&Tm : 09-Nov-2019 10:49:35 A
Auth. Dt&Tm : 09-Nov-2019 12:35:18 P
Print Dt&Tm : 09-Nov-2019 12:50:19 PM
Sample ID. : 540700
Location : OPD

HAEMATOLOGY

Investigations

BLOOD GROUP

Comments : RH Tested with Monoclonal Anti D Sera

Result

B Rh Positive

Dr. Neeraja Kulkarni
M.D (Path)

Dr. Ashwini Mane-Patil
M.D (Path) Tata Memorial Hospital

Dr. Vishram Kulkarni
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Voucher No. : 4134791
AH No. : 364942
Name : MR. RAHUL SHAM ADMILE
Age/ Sex : 42 YEARS / MALE
Referred. By : DR.DALMIA BHARAT SUGAR LTD

Aut by : KSS
Coll. Dt&Tm : 09-Nov-2019 10:49:35 AM
Auth. Dt&Tm : 09-Nov-2019 12:32:34 PM
Print Dt&Tm : 09-Nov-2019 12:32:36 PM
Sample ID. : 540699
Location : OPD

BIOCHEMISTRY

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>REFERANCE INTERVAL</u>
FASTING BLOOD SUGAR				
Blood Sugar (Fasting)	70.00	mg%	N	70 - 110
BLOOD UREA				
Blood Urea	16.00	mg/dl	N	15 - 45
Blood Urea Nitrogen	7.47	mg/dl	L	8 - 23

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Voucher No. : 4134791
AH No. : 364942
Name : MR. RAHUL SHAM ADMILE
Age/ Sex : 42 YEARS / MALE
Referred. By : DR.DALMIA BHARAT SUGAR LTD

Aut by : KSS
Coll. Dt&Tm : 09-Nov-2019 11:56:33 AM
Auth. Dt&Tm : 09-Nov-2019 12:32:34 PM
Print Dt&Tm : 09-Nov-2019 12:44:12 PM
Sample ID. : 540723
Location : OPD

BIOCHEMISTRY

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>REFERANCE INTERVAL</u>
POST PRANDIAL SUGAR Blood Sugar (PP)	81.00	mg%	N	80 - 120

Dr. Neeraja Kulkarni
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Voucher No. : 4134791
 AH No. : 364942
 Name : MR. RAHUL SHAM ADMILE
 Age/ Sex : 42 YEARS / MALE
 Referred. By : DR.DALMIA BHARAT SUGAR LTD

Aut by : KSS
 Coll. Dt&Tm : 09-Nov-2019 10:49:35 AM
 Auth. Dt&Tm : 09-Nov-2019 12:32:35 PM
 Print Dt&Tm : 09-Nov-2019 12:32:36 PM
 Sample ID. : 540699
 Location : OPD

BIOCHEMISTRY

LIPID PROFILE

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>REFERANCE INTERVAL</u>
SR CHOLESTEROL	146.00	mg/dl		Desirable - Below 200 Borderline - 200-240 Undesirable - Above 240
HDL CHOLESTEROL (HDL) HDL Cholesterol	40.00	mg/dl		Desirable - Above 60 Borderline -40-59 Undesirable - Below 40
LDL CHOLESTEROL (LDL)	96.00	mg/dl		Desirable - Below 130 Borderline - 130 - 160 Undesirable - Above 160
SERUM TRIGLYCERIDES	134.00	mg/dl		Desirable - Below 150 Borderline -150 -499 Undesirable - Above 500

Method : NCEP Guidelines

Dr. Neeraja Kulkarni
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CLINICAL PATHOLOGY

Voucher No. : 4134791	Aut by : DPA
AHNo. : 364942	Coll. Dt&Tm : 09-Nov-2019 10:49:35 A
Name : MR. RAHUL SHAM ADMILE	Auth. Dt&Tm : 09-Nov-2019 12:46:46 F
Age/ Sex : 42 Years / Male	Print Dt&Tm : 09-Nov-2019 12:46:52 P
Referred. By : Dr.DALMIA BHARAT SUGAR LTD	Sample ID. : 540701
	Location : OPD

CLINICAL PATHOLOGY

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>Normal Range</u>
URINE ROUTINE				
PHYSICAL EXAMINATION				
Quantity	10.00	ml		
Colour	Pale Yellow			
Appearance	Clear			
Deposit	Absent			
Specific Gravity	1.020		N	1.015 - 1.035
Chemical Examination				
pH	5.5		N	4.5 - 8
Proteins	Absent			
Glucose	Absent			
Ketone	Absent			
urobilinogen	Negative			
Bile Salt	Absent			
Bile Pigment	Absent			
Occult Blood	Absent			
Nitrites	Negative			
MICROSCOPIC EXAMINATION				
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
 M.D (Path)

Dr. Ashwini Mane-Patil
 M.D (Path) Tata Memorial Hospital

Dr. Vishram Kulkarni
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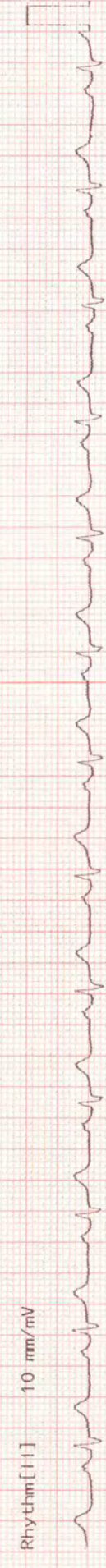
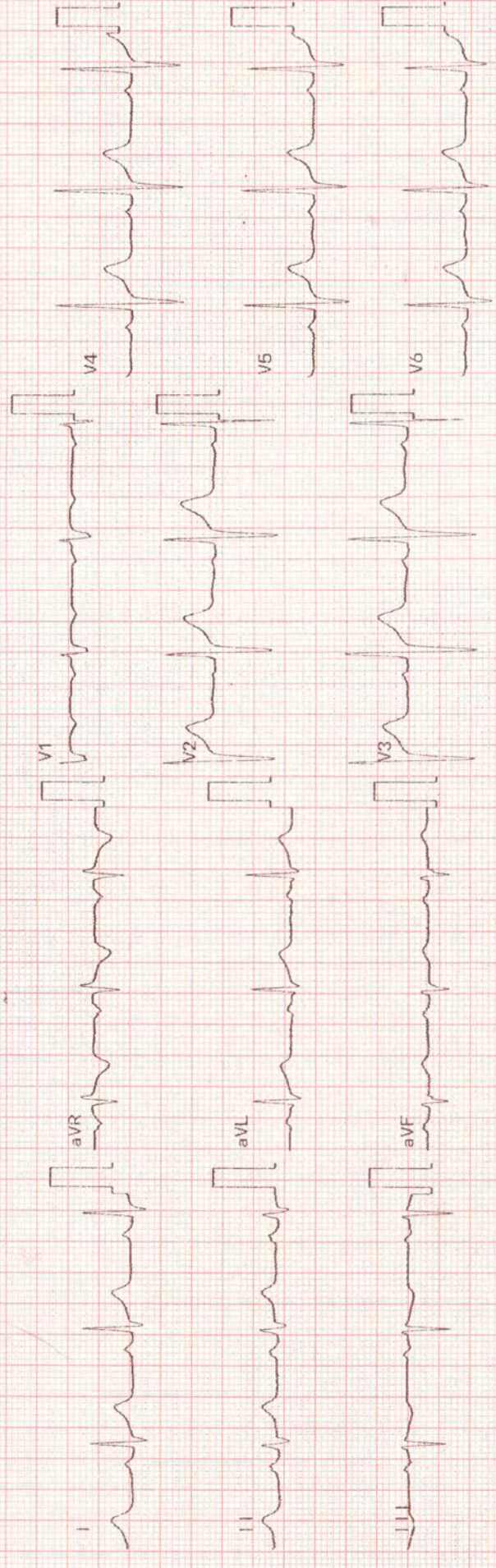


Sex: M cm kg Birth date: / / 42 years

Medication:
 Symptoms:
 History:
 Vent. rate 81 bpm
 PR int 164 ms
 QRS dur 92 ms
 QT/QTc(E) int 358/ 395 ms
 P/QRS/T axis 27/ -22/ 19 °
 RV5/SV1 amp 1.27/ 0.34 mV
 RV5+SV1 amp 1.51 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 : RAHUL SHAM ADMILE AH NO. : 364942 LOCATION : OPD
AGE : 42 YEARS SEX : MALE ADM NO. : - EXAM NO. : 83835
REF. BY : DR. DALMIA BHARAT SUGAR LTD ORDER NO. : 4134791 DATE : 09/11/2019

X-RAY CHEST P. A.VIEW

Patient is in rotation.

Both the lung fields are essentially normal.

Heart, aorta and mediastinum are normal.

Both the domes of diaphragm are smooth and convex.


C.P. angles are well maintained.

Bony cage appears unremarkable.

IMPRESSION :-

-- No significant abnormality detected.

Suggest:- Clinical Correlation.


Dr. Santosh Sarudkar
MD(Radiology)

Dr. Vijay Patil
DNB, DMRD.

■ DIGITAL X-RAY
■ ROUTINE & OBSTRETIC USG

■ CONVENTIONAL PROCEDURE
■ MULTI SLICE CT SCAN

■ WHOLE BODY COLOUR DOPPLER
■ INTERVENTIONAL PROCEDURE

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



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,




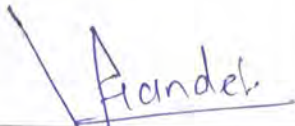
School Eye Checkup Camps



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

TEST CERTIFICATE

Report No: GESEC/PRO/2019-20/01/518		Date of Report: 16/01/2020	
Client Name and Address: Shree Datta Sakhar Karkhana (A Unit of Dalmia Bharat Sugar Industries Ltd., A/P. Asurle Porle, Tal.: Panhala, Kolhapur Maharashtra (India)		Date of Sampling: 04/01/2020	
Sample Collected By		Sample Details : Noise	
		Precision Envirotech	
Ambient Noise Report			
Sr. No.	Location	Result dB(A)	CPCB Standards dB(A)
1.	Near Main Gate	58	75 dB Day Time and 70 dB Night Time
2.	Near Administrative Office	46	
3.	Near Multiple Effect Evaporator	73	
4.	Near Boiler House	74	
5.	Near Distillery House	72	
6.	Near Molasses Tank	65	
7.	Near Spentwash Storage Tank	69	
8.	Fermentation Section	64	
Remark-			
<ul style="list-style-type: none"> ➤ All above Noise level results are within Central Pollution Control Board Standards limit. ➤ Day Time 6.00 a.m. To 9.00 p.m. and Night Time 9.00 p.m. to 6.00 a.m. 			
ANALYZED BY-		AUTHORIZED SIGNATORY	
			
			

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.



FORM V

Environmental Audit Report for the financial Year ending the 31st March 2019

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000021374

Submitted Date

30-09-2019

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)

6423.49

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 No.format No-1.0/BO/CAC-CELL/UAN NO.0000051533/CAC-1901000882

Consent Issue Date

14/01/2019

Consent Valid Upto

31.8.2019

Product Information

Product Name	Consent Quantity	Actual Quantity	UOM
Rectified Spirit	21600	912.526	KL/A
Extra Neutral Alcohol	21600	0	KL/A
Absolute Alcohol	21600	13602.044	KL/A
Fusel Oil	43.2	0	KL/A

By-product Information

By Product Name	Consent Quantity	Actual Quantity	UOM
NA	NA	NA	MT/A

1) Water Consumption in m3/day

Water Consumption for Process	Consent Quantity in m3/day	Actual Quantity in m3/day
Cooling	600	600
	05.0	05.0

Domestic	05.0	05.0
All others	NA	NA
Total	NA	NA

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
480 CMD (200 AFTER VOLUME REDUCTION)	480 CMD (200 AFTER VOLUME REDUCTION)	480	CMD
DOMESTIC	4.0	4.0	CMD

2) 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
Distillery including Fermentation Industry	280	280	CMD
Distillery including Fermentation Industry	40	40	CMD

3) 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
Sulphuric Acid	16.40	16.400	KL/A
Molasses	56190	56190.450	MT/A
Nutrient (N & P)	33.2	33.225	KL/A
Turkey Red Oil	15.40	15.00	KL/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Spent wash	72000	33228	MT/A
Coal	34560	20610	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) Quantity	Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration	Percentage of variation from prescribed standards with reasons %variation	Standard	Reason
SPENT WASH	480	IN INCREATION BOILER	0	0	NA

[B] Air (Stack)

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

HAZARDOUS WASTES

1) From Process

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
21.2 Spent solvent	5130	5030	Kg/Annum
20.3 Distillation residues	5130	4950	Kg/Annum

2) From Pollution Control Facilities

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

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
Fly	6400	6000	MT/A

3) 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
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
20.2 Spent solvents	5030	Kg/Annum	WITHIN LIMITS
20.3 Distillation residues	4950	Kg/Annum	WITHIN LIMITS

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	6000	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	0	2	1500	1500
GREEN BELT AND	0	0	0	0	3.0	1.0

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

[A] 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 ZLD & development of Green belt	1500

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
--	--	-----------------------------------

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

Particulars

Provision of spent wash reduction through multiple evaporator, followed by incineration boiler with ESP and stack . Green belt of about 2 acres

Name & Designation

Anand Kadam DGM



Maharashtra Pollution Control Board

महाराष्ट्र प्रदूषण नियंत्रण मंडळ

FORM V

Environmental Audit Report for the financial Year ending the 31st March 2019

Unique Application Number

MPCB-ENVIRONMENT_STATEMENT-0000020830

Submitted Date

28-09-2019

Company Information

Company Name

Dalmia Bharat Sugar and Industries Ltd ,Sugar unit- Shree Datta, Asurle Porle, Tal,Panhala,Dist .Kolhapur Pin 416229

Application UAN number

0000051677 & 0000037529

Address

A/P Asurle Porle Taluka Panhala Pin 416229

Plot no

1746,1748 to 1756

Taluka

Panhala

Village

Asurle Porle

Capital Investment (In lakhs)

37891

Scale

LSI

City

Kolhapur

Pincode

416229

Person Name

Mr.N.C.Paliwal

Designation

Deputy 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

Format 1.0/BO/CAC-CELL/UAN NO 0000051677 &0000037529/R/CAC-1901000927 Dated 14.01..2019

Consent Issue Date

14.01.2019

Consent Valid Upto

31/07/2019

Product Information

Product Name

Sugar

Consent Quantity

437400

Actual Quantity

115776

UOM

MT/A

Co-Generation - (Electric power)

32 MW

23

Mwh

By-product Information

By Product Name

Molasses

Consent Quantity

129600

Actual Quantity

34811

UOM

MT/A

Press mud

129600

21986

MT/A

Bagasse

939600

224593

MT/A

1) Water Consumption in m3/day

Water Consumption for Process

Consent Quantity in m3/day

900

Actual Quantity in m3/day

730

Cooling

510

380

Domestic	150	120
All others	0	0
Total	1560	1230

1) Effluent Generation in CMD / MLD

Particulars	Consent Quantity	Actual Quantity	UOM
Process where water get polluted and pollutants are easily biodegradable	900	730	CMD
DOMESTIC	120	95	CMD
OTHER COOLING/ BOILER BLOWDOWN	110	95	CMD

2) 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, Molasses, Press mud, Bagasse, Power	1160	1230	CMD

3) 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
Sugarcane	860746	878690	MT/A
Lime	1377	1145	MT/A
Sulphur	443	369	MT/A

4) Fuel Consumption

Fuel Name	Consent quantity	Actual Quantity	UOM
Baggase	574560	232117	MT/A
Coal	101520	18496	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	36.5	50	0	100	NA
COD	154.7	212	0	250	NA
Sulphates	106	146	0	1000	NA
Chlorides	29.2	40	0	600	NA
Oil & Grease	0	BDL	0	10	NA
TDS	1115	1528	0	2100	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	43.30	43.30	0	150 mg/NM3	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	7.10	2.4	MT/A

2) From Pollution Control Facilities

Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	9	0.80	MT/A

SOLID WASTES

1) From Process

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	4313	4587	MT/A
ETP SLUDGE	13	5	MT/A

2) From Pollution Control Facilities

Non Hazardous Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
FLY ASH	4313	4587	MT/A
ETP SLUDGE	13	6	MT/A

3) Quantity Recycled or Re-utilized within the unit

Waste Type	Total During Previous Financial year	Total During Current Financial year	UOM
5.1 Used or spent oil	6	5.90	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	3.2	MT/A	NA

2) Solid Waste

Type of Solid Waste Generated	Qty of Solid Waste	UOM	Concentration of Solid Waste
FLY ASH	4587	MT/A	NA
ETP SLUDGE	11	MT/A	NA

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)
APC as ESP	NA	75	80	12	1000	03
ETP	50	NA	NA	NA	100	6

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

[A] Investment made during the period of Environmental Statement

Detail of measures for Environmental Protection	Environmental Protection Measures	Capital Investment (Lacks)
Plantation of trees , provision of 75 acres land for irrigation , regular operation and maintenance of APC and ETP,	Plantation of trees , Recycling Reuse of wastes and achieved ZLD	1000

[B] Investment Proposed for next Year

Detail of measures for Environmental Protection

ETP , EMC ,Greenbelt development,Recycling Reuse of wastes and achieved ZLD

Environmental Protection Measures

Plantation of trees, ZLD

Capital Investment (Lacks)

35

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 with Online monitoring system and data is transfer to MPCB &CPCB Server .Treated effluent is used for on land application for 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

Newspaper advertisements are enclosed as

