

DBSIL/MOEF&CC/ 1230 / 2019-20

Date 29.12.2019

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  
1<sup>st</sup> April 2019 to 30<sup>th</sup> September 2019.

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 Clearance for the period from 1<sup>st</sup> April 2019 to 30<sup>th</sup> September 2019 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, Sugar Unit - Shri Datta, Asurle-Porle.

This is for your kind information and record please.

Thanking you,

Yours faithfully  
For Dalmia Bharat Sugar & Industries Limited  
Sugar Unit - 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, Asurle-Porle*

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

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*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 04<sup>th</sup> February 2015**

**Compliance Period: 1<sup>st</sup> April 2019 to 30<sup>th</sup> September 2019**

**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 Shri Datta Sakhar Karkhana**

**(A unit of Dalmia Bharat Sugar and Industries Limited)**

**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

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 Shri Datta Sakhar Karkhana (A unit of Dalmia Bharat Sugar and Industries Limited)

**Period of Compliance:** 1<sup>st</sup> April 2019 to 30<sup>th</sup> September 2019

**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: -

S. 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 m wide green belt of perennial trees around periphery of the plant shall be provided.	The company maintains 10 m 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% 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>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 2019 to 30<sup>th</sup> September 2019 is Rs 540000 /- (Pic Attached) .2000 trees per year have been planted in nearby villages with the consultation of the villagers.</p>
vii	<p>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.</p>	<p>Environment Manager Appointed.</p>
viii	<p>No effluent shall be discharge outside the plant premises.</p>	<p>The plant is completely based on <b>Zero Effluent Discharge</b>. No Discharge is Ensured</p>
ix	<p>Continuous online (24 x7) monitoring shall be installed for flow measurement and measurement of pollutants within the treatment unit. Data shall be uploaded on company's website and provided to the</p>	<p>Continuous online monitoring system has been already installed &amp; commissioned and connected to the MPCB &amp; CPCB Server by the company.</p> <p>The photographs of the same have been</p>

	respective RO of MEF&CC, CPCB and SPCB.	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 efficiency.	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>
iii	In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provided. Fugitive emissions shall be controlled by providing	Complied. Provided necessary control measures for checking fugitive emissions from all the vulnerable sources like:-

	<p>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>	<ul style="list-style-type: none"> <li>• Water sprinkling system at bagasse yard.</li> <li>• Tankers are being 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 yard. As per monitoring data the emission levels found to be within prescribed limits.</p> <p>Water sprinkling systems, Closed Storage, covered fuel handling photo to be attached 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 PM2.5, 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</p>	<p>Complied.</p>

	<p>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>	<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	<p>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 &amp;CC's Regional office.</p>	<p>Complied.</p>
ix	<p>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</p>	<p>Complied.</p> <p>Spent wash generation from molasses has not exceeded 8 KL/KL of alcohol production.</p> <p>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</p>

	<p>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>	<p>process and cooling towers.</p> <p>No effluent is being/will be discharged outside the distillery plant premises and Zero Effluent Discharge condition is being followed.</p> <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	<p>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 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>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.</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,</p>	<p>Complied.</p> <p>No ground water withdrawal in the plant premises.</p> <p>Installation of modern integrated evaporation system followed by incinerator boiler to consume generated spent wash. Hence no spillage is ensured.</p> <p>Construction of pucca RCC lagoon in sugar plant</p>



	<p>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>for avoiding any spillage. Ground water analysis report (<i>sample collected nearby the plant</i>)</p>
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 Brick manufacturers.</li> </ul>
xiv	<p>Firefighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for the firefighting shall be made to control fire from the alcohol storage tank.</p>	<p>Complied.</p> <p>Full-fledged 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</p>	<p>Complied.</p> <p>The company has already taken measures</p>

	of alcohol and report submitted to ministry and its regional office at Bhopal within 6 months.	towards alcohol storage and approved drawing approved from Petroleum and Explosive Safety organization. Letter of approved drawing has been attached as <b>Annexure 10.</b>
xvi	Occupational health surveillance program should be undertaken as regular exercise for all the employee. The first aid facility in the occupational health Centre should be strengthened and the regular medical test records of each employee should be maintained separately.	Complied. Company regularly conducts occupational health surveillance programme once in year for all the employees & first aid facilities in the occupational health centre is strengthened with proper record .Records are being maintained at the plant. Sample Health reports have been attached as <b>Annexure 11.</b>
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	Complied. Public Hearing issues are compiled .

	satisfactorily implemented and adequate budget provision should be made accordingly	
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 12</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.

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	Agreed for compliance.

	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.	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 13</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 recommendations made in the EIA/EMP in respect of environmental management, risk mitigation measures and public hearing relating to the project shall be implemented.	Complied ESP has been provided for the stack of Co-gen plant and Incineration Boiler. MEE has been provided for reducing the spent wash. Effluent Treatment Plant with Online Effluent Quality Monitoring System is in place. Green belt has been developed Water sprinkle system has been provided for controlling the fugitive emissions. Air Cooled condensers have been provided for reducing the water requirement. Regular Environmental quality monitoring is being done.
ix	The company shall undertake all relevant measures for improving the Socio-- economic conditions of the surrounding area. CSR activities shall be undertaken by involving local villages and administration.	Complied An amount of Rs. 54000 /- has been spent towards CSR activities during 1 <sup>st</sup> April 2019 to 30 <sup>th</sup> September 2019. 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 the project proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban local Body and the local NGO, if any, from whom suggestions/ representations, if any, were received while processing the proposal.	A copy of the clearance letter to concerned Panchayat, Zila Parisad/Municipal corporation Urban Local Body & the local NGO has been sent.
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</i> <b>Annexure – 14.</b>
xvi	The project proponent shall inform the public that	We have already published the accordance

	<p>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 the vernacular language of the locality concerned and a copy of the same shall be forwarded to the concerned Regional office of the Ministry.</p>	<p>of Environmental Clearance in two local newspapers. Maharashtra Times on dated 03.09.2017 and Punyanagari on dated 04.09.2017</p> <p><b>Annexure – 15.</b></p>
xvii	<p>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.</p>	<p>Complied.</p> <p>During construction 6 monthly compliance reports have been submitted to Regional office of MoEFCC.</p>

**Photographs showing Existing Greenbelt Development**





Annexure 1





Annexure 1



## Expenditure on ESC

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

Sr.No.	Work details	Expenditure (Rs)
1	Air Rifles Sponsorship For Olympic Athlete	240000 /- INR
2	Asurle village Central School Infrastructure Development and Green belt.	300000/- INR



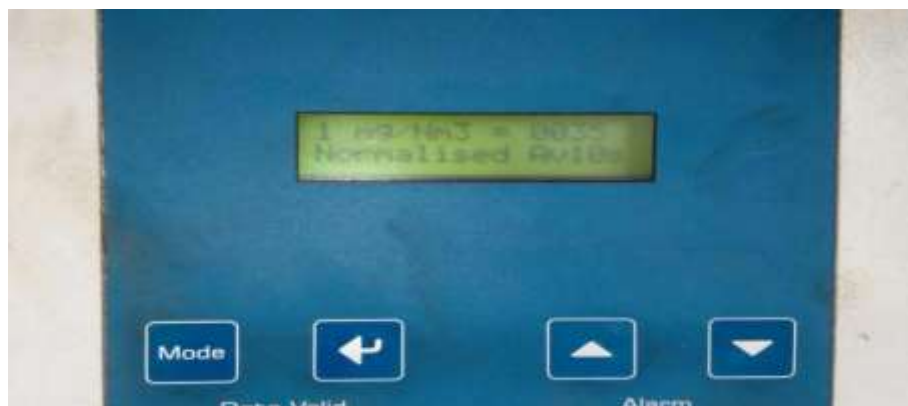


## Annexure - 3

### Continuous Online Monitoring System for Stack.



### Online display for Stack Particulate Matter value



## Annexure - 3

### Continuous Online Monitoring System for Effluent Treatment Plant

#### ETP Outlet Online Monitoring System Results.

ID	Value	Unit	ID	Value	Unit	
01	7.12	pH	05	15.8	m3/h	
02	15.8	FLOW	m3/h	3.21	mA	15240714
03	15.1	FLOW	m3/h	3.99	mA	15240714
04	113.6	mg/l	COD	246.5	#	15250169
05	39.8	mg/l	TSS	186.9	#	15250169
06	392	mg/l	BOD	247.3	#	15250169

Next screen: \*\* On/Off/Options

SRI DATTA SANKAR MANDIR  
ASHRAFPAL

#### Probes for online monitoring of treated water quality



**PRECISION ENVIROTECH**

(Water and Waste Water Treatment)

Near Vidharbh Konan Gramin Bank,  
Mane Complex,  
Shiroli-416103, Dist. Kolhapur  
precisionenvirotech@gmail.com  
9860271729

**TEST CERTIFICATE**

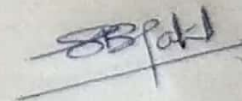
Report No: PE/2019-20/06/	Date of Report : 10/05/2019
Client Name and Address: Dalmia Bharat Sugar and Industries Ltd, Asurle Porle, Tal. Panhala, Dist. Kolhapur Maharashtra (India)	Date of Sampling: 29/04/2019
	Start Date of Analysis: 30/04/2019
	End Date of Analysis: 06/05/2019
	Sample Location: Stack
	Sample Details : 120 TPH Boiler with ESP (Co generation )
	Time of Sampling: 11.00 a.m.
Sample Collected By : Precision Envirotech	

**Source Emission Analysis Report**

Sr. No.	Parameter	Result	Unit(s)
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	394	<sup>o</sup> K
6.	Differential Pressure	0.8	mmWG
7.	Velocity	6.05	M/s
8.	Diameter of Stack	3.0	Mtr.
9.	Stack Area	7.065	M <sup>2</sup>
10.	Gas Volume	153875	NM <sup>3</sup> /Hr
11.	Particulate Matter	42	mg/NM <sup>3</sup>
12.	Oxide of Sulphur (SO <sub>x</sub> )	19.0	mg/NM <sup>3</sup>
13.	Oxide of Nitrogen (NO <sub>x</sub> )	18.0	mg/NM <sup>3</sup>

**Remark(s):**

➤ N.S.: - Not Specified

**AUTHORIZED SIGNATORY-**




## Annexure 5

### Photographs showing Existing Air Pollution Control Measures



## Annexure 6

### Photographs Showing Fugitive Emission Control Measures

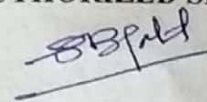




**PRECISION ENVIROTECH**

(Water and Waste Water Treatment)

Near Vidharbh Konan Gramin Bank,  
Mane Complex,  
Shirol-416103, Dist. Kolhapur  
precisionenvirotech@gmail.com  
9860271729

Report No: PE/2019-20/06/		Date of Report : 10/05/2019	
Client Name and Address: Dalmia Bharat Sugar and Industries Ltd, Asurle Porle, Tal. Panhala, Dist. Kolhapur Maharashtra (India)		Date of Sampling: 29/04/2019	
		Start Date of Analysis: 30/04/2019	
		End Date of Analysis: 06/05/2019	
		Sample Details : Ambient Air	
		Sample Location: Bagasse Storage Yard	
		Time of Sampling: 9.30 A.M.	
Sample Collected By : Precision Envirotech			
<b>Ambient Air Analysis Report</b>			
Sr. No.	Parameter	Result	Unit(s)
1.	Ambient Temperature	33	°C
2.	Dry Bulb Temperature	31	°C
3.	Wet Bulb Temperature	28	°C
4.	Relative Humidity	64	% RH
5.	Sampling Duration	480	Min
6.	Sulphur Dioxide(SO <sub>2</sub> )	22.0	µg/M <sup>3</sup>
7.	Oxides of Nitrogen(NO <sub>x</sub> )	25.8	µg/M <sup>3</sup>
8.	Particulate Matter PM <sub>10</sub>	74.6	µg/M <sup>3</sup>
9.	Particulate Matter PM <sub>2.5</sub>	34.0	µg/M <sup>3</sup>
10	CO	119	µg/M <sup>3</sup>
11	HC	BDL	µg/M <sup>3</sup>
<b>Remark-</b>			
<ul style="list-style-type: none"> <li>➤ All above results are within National Ambient Air Quality standards.</li> <li>➤ BDL – Below Detectable Limit.</li> </ul>			
		<b>AUTHORIZED SIGNATORY</b>	
			

## Annexure 8

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



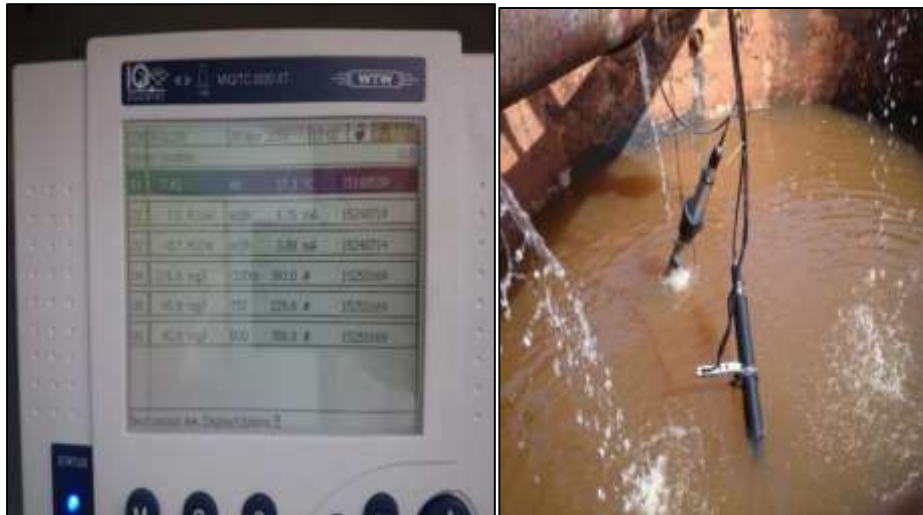


EFFLUENT TREATMENT PLANT

Aeration Tank

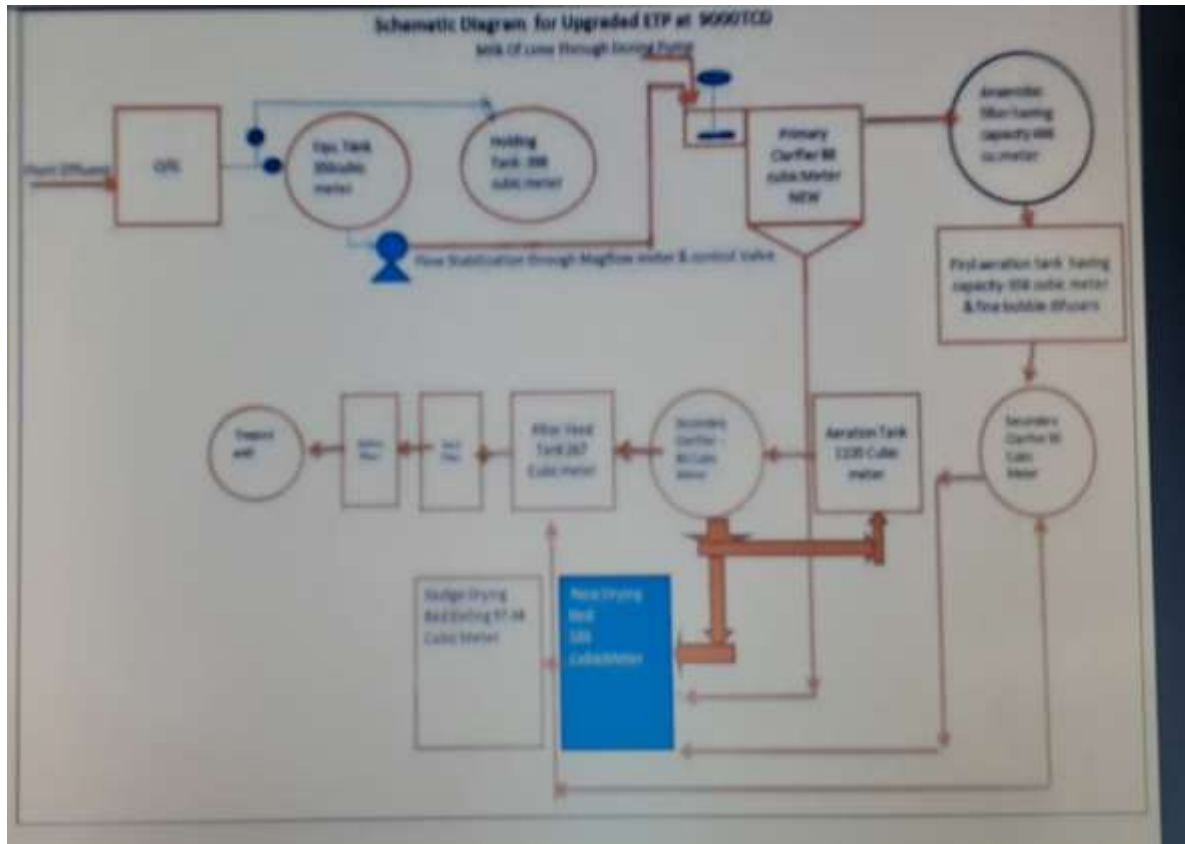


[Online monitoring system DisplayProbe for online monitoring of treated water quality](#)



[ETP inlet Effluent Flow meterETP Outlet flow](#)





Page 1 of 5  
Annexure 9\_Letter  
approved drawing



भारत सरकार  
Government of India  
वाणिज्य और उद्योग मंत्रालय  
Ministry of Commerce & Industry  
पेट्रोलियम तथा विस्फोटक सुरक्षा संगठन (पिसो)  
Petroleum & Explosives Safety Organisation (PESO)  
ए-1 और ए-2 विंग, पांचवा तल, केन्द्रीय कार्यालय परिसर, सी.जी.ओ. बेलपुर  
जवी मुंबई (मह.)- 400614  
A1 & A2 wing, 6th Floor, C.G.O. complex, CBD Belapur, Navi Mumbai (M.S.),  
Mumbai - 400614

E-mail :  
jtccomumbai@explosives.gov.in  
Phone/Fax No : 022 -  
27575946,27573885

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

दिनांक /Dated : 15/09/2015

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: 416362 में प्रस्तावित पेट्रोलियम वर्ग A अतिरिक्तपत्र के अनुमति  
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: 416362  
Approval Regarding.

सहायक निर  
(S).

कृपया आपके पत्र क्रमांक N दिनांक 14/09/2015 का अवलोकन करें ।  
Please refer to your letter No. N dated 14/09/2015

drawing no. DSIU/2015/1 dated 22/07/2015, अनुमोदित किया जाता है तथा प्रत्येक अतिरिक्तपत्र के लिए एक प्रति विधिवत पूर्णांकित कर लौटाई जा रही है ।  
The drawing no. DSIU/2015/1 dated 22/07/2015, showing the site and layout etc. of the system 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.

अतिरिक्तपत्रों हेतु इतने नकलें को प्रेषित करें ।

The following documents which are necessary for the grant of a licence in Form XA...

<http://117.239.184.37:PublicDomain/DocStatus/Letter.aspx?docno=121897&VTE%20%20CODE> 0/1

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

1. प्रत्येक अनुमतिपत्र विधिगत रूप में एक वर्ष इस्तेमालीय अवधिपर  
An Application in Form No. (standardized) duly filled in and signed
2. एक वर्ष का अनुमतिपत्र अनुमति शुल्क रु 5000/- (पाँच हजार - अक्षरोंमें 10 वर्ष (एक) का वार्षिक शुल्क)।  
वीस हजार रुपये की अनुमतिपत्र अनुमतिपत्र शुल्क के नाम अर्पित Jt. Chief Controller of Explosives के पास नवी मुंबई (M.S.) में देय हो।  
Bank Draft for Rs. 5000/- (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, Petroleu at Navi Mumbai (M.S.).
3. अनुमतिपत्र पत्रों की चार प्रतियाँ (चार प्रतियाँ) (C.A.) में सार शामिल।  
Four copies of the approved plans in blue print or color print incorporating the conditions of approval in any, without any ink corrections, duly signed by the authorized signatory
4. इस प्रकार तैयार कराया जाय पत्रों पर उनके इस्तेमाल के लिए कोशिश जारी पेट्रोलियम नियम 2002 के अनुबंध नियम 120 और 120 में आवश्यक विवरित पत्र (संलग्न) में संशुद्ध और टेस्ट शुल्क-पत्र।  
Safety and Test Certificate required under rule 120 and 120 of the Petroleum Rules, 2002 in the prescribed formats (copies enclosed) issued by Competent person recognised by the organization bearing his signature stamp.
5. पेट्रोलियम नियम के नियम 144 के अंतर्गत दिए गए किसी प्रकार अनुमतिपत्र प्राप्त करने की सूचना मिले के साथ अपने द्वारा विधिगत अनुमतिपत्र एवं कार्यालय की सूचना प्राप्त हुआ साह्य प्रदान।  
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 के द्वारा तैयार कराया जाय पत्रों पर उनके इस्तेमाल के लिए कोशिश जारी पेट्रोलियम नियम 2002 के अनुबंध नियम 120 और 120 में आवश्यक विवरित पत्र (संलग्न) में संशुद्ध और टेस्ट शुल्क-पत्र।  
Solemn signature(s) of the person(s) authorised to sign the correspondence intended for this application.

सी.एस.आर. 319(2) दिनांक 05/06/2000 द्वारा जारी किये गए पेट्रोलियम तथा प्राकृतिक गैस संवर्धन एवं सुरक्षा अधिनियम 2000 के अधिनियम, नियम तथा कानून (अनुमतिपत्र, निरीक्षण, निरीक्षण और अनुमतिपत्रों में उपरोक्त की आवश्यकताओं के अनुसार अनुमतिपत्रों का प्रस्ताव प्रस्तुत करें।  
Please follow the requirements/provision of "Bakers, Refineries and Shop (Acquisition, Sale, Storage & Preservation of use in Automobiles) Order 2000 notified by Government of India, Ministry of Petroleum and Natural Gas vide G.S.R. 319(2) dated 05/06/2000.

नियम की एक प्रतियाँ/प्रतियाँ अपने प्रतिनिधियों से आवश्यक अनुमतिपत्रों के प्राप्त करने से या याद रखें।  
This approval/application, however, does not absolve from obtaining necessary permission/consents from other authorities or under other statutes as applicable.

भवदीय /Yours faithfully,

(A.K.Srivastava)

Controller of Explosives  
सूते संयुक्त मुख्य विद्युत्तक निदेशक  
For Jt. Chief Controller of Explosives  
नवी मुंबई (महाराष्ट्र)  
Mumbai

(अधिक जानकारी के लिए अधिकारी के विधिगत शुल्क प्राप्त कराने के लिए हमारी वेबसाइट - <http://petco.gov.in> देखें।  
(For more information regarding licence fees and other details please visit our website. <http://petco.gov.in>)



## OPD ASSESMENT FORM

Date: 5/10/19

Time: \_\_\_\_\_

Chief Complaints:

- No Comorbidity
- S/E - NAD      BP - 139/80
- Lab - (N)
- ECG - NIN
- Fitness      Can be gym

Dr. A. Kumar

Significant Medical / Surgical History :

Nutritional Status :

Preventive Care :

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



**HAEMATOLOGY**

Voucher No. : 4083426  
 AH No. : 363286  
 Name : MR. SACHIN BABANRAO RANAWARE  
 Age/ Sex : 41 Years / Male  
 Referred By : DR.AVINASH N. KUMBHAR

Aut by : MGB  
 Coll. Dt&Tm : 05-Oct-2019 12:12:41 PM  
 Auth. Dt&Tm : 05-Oct-2019 12:23:45 PM  
 Print Dt&Tm : 05-Oct-2019 12:23:53 PM  
 Sample ID. : 532117  
 Location : OPD

**HAEMATOLOGY**  
**CBC AND ESR**

Investigations	Result	Units		Reference Range
CBC				
Haemoglobin	16.60	gms%	N	13 - 17
Haematocrit	49.50	%	N	40 - 50
MCV	88.90	fl	N	80 - 96
MCH	29.80	pg	N	27.5 - 33.2
MCHC	33.50	g/dl	N	33.4 - 35.5
RBC Count	5.57	millions/cumm	N	4.5 - 5.9
Platelet Count	154,000.00	cumm	N	150000- 450000
Total Leucocyte Count	6,400.00	cumm	N	4000 - 11000
<b>Differential Count</b>				
Neutrophils	44.00	%	N	40 - 75
Lymphocytes	41.00	%	N	30 - 42
Eosinophils	6.00	%	N	1 - 6
Monocytes	9.00	%	N	1 - 10
Basophils	0.00	%	N	0 - 1
<b>Peripheral Smear</b>				
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.: 532083  
 Patient ID: 532083  
 Name: 44 SACHIN RANAWARE  
 Sample Comment:

Ward: Adapter:

Pos.: 2019/10/05 11:12:00  
 Doctor:  
 Birth: Sex:  
 Nickname: XN-L

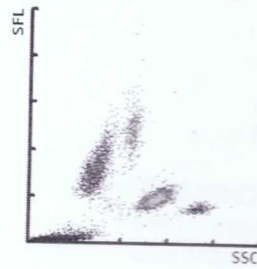
**Positive**

Diff. Morph.

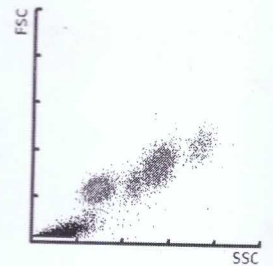
(104)  
 44  
 41.6  
 9

WBC	6.48	[10 <sup>3</sup> /uL]	
RBC	5.57 +	[10 <sup>6</sup> /uL]	
HGB	16.6	[g/dL]	
HCT	49.5	[%]	
MCV	88.9	[fL]	
MCH	29.8	[pg]	
MCHC	33.5	[g/dL]	
PLT	154	[10 <sup>3</sup> /uL]	
RDW-SD	44.5	[fL]	
RDW-CV	13.3	[%]	
PDW	12.5	[fL]	
MPV	10.2	[fL]	
P-LCR	28.7	[%]	
PCT	0.16 -	[%]	
NEUT	2.85 *	[10 <sup>3</sup> /uL]	44.0 * [%]
LYMPH	2.66 *	[10 <sup>3</sup> /uL]	41.0 * [%]
MONO	0.54 *	[10 <sup>3</sup> /uL]	8.3 * [%]
EO	0.40	[10 <sup>3</sup> /uL]	6.2 + [%]
BASO	0.03	[10 <sup>3</sup> /uL]	0.5 [%]
IG	0.01 *	[10 <sup>3</sup> /uL]	0.2 * [%]

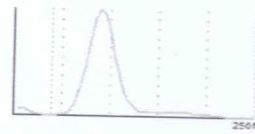
WDF



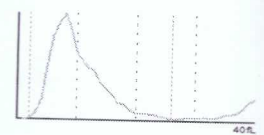
WDF-CBC



RBC



PLT



Error/Rule Comments:

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

WBC IP Message  
 Eosinophilia  
 Atypical Lympho?

RBC IP Message

PLT IP Message



**HAEMATOLOGY**

Voucher No. : 4083426  
A/H No. : 363286  
Name : MR. SACHIN BABANRAO RANAWARE  
Age/ Sex : 41 Years / Male  
Referred By : DR.AVINASH N. KUMBHAR

Aut by : MGB  
Coll. Dt&Tm : 05-Oct-2019 12:12:41  
Auth. Dt&Tm : 05-Oct-2019 12:23:45  
Print Dt&Tm : 05-Oct-2019 12:43:41  
Sample ID. : 532117  
Location : OPD

**HAEMATOLOGY**

Investigations

BLOOD GROUP

Comments : RH Tested with Monoclonal Anti D Sera

Result

O Rh Positive

**Dr. Neeraja Kulkarni**  
MD (Path)

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

**Dr. Vishram Kulkarni**  
M.B.B.S.D.C.P

**Dr. Sumedh Lokapure**  
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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







Voucher No. : 4083426  
AH No. : 363286  
Name : MR. SACHIN BABANRAO RANAWARE  
Age/ Sex : 41 YEARS / MALE  
Referred. By : DR.AVINASH N. KUMBHAR

Aut by : DPA  
Coll. Dt&Tm : 05-Oct-2019 12:12:41 PM  
Auth. Dt&Tm : 05-Oct-2019 12:19:09 PM  
Print Dt&Tm : 05-Oct-2019 12:23:26 PM  
Sample ID. : 532116  
Location : OPD

**BIOCHEMISTRY**

<u>Test</u>	<u>Result</u>	<u>Units</u>	<u>Status</u>	<u>REFERANCE INTERVAL</u>
<b>FASTING BLOOD SUGAR</b>				
Blood Sugar (Fasting)	84.00	mg%	N	70 - 110
<b>POST PRANDIAL SUGAR</b>				
Blood Sugar (PP)	89.00	mg%	N	80 - 120
<b>BLOOD UREA</b>				
Blood Urea	16.00	mg/dl	N	15 - 45
Blood Urea Nitrogen	<b>7.47</b>	mg/dl	L	8 - 23

*Ua*

**Dr. Neeraja Kulkarni**  
M.D (Path)

**Dr. Ashwini Mane-Patil**  
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**CLINICAL PATHOLOGY**

Voucher No. : 4083426

AHNo. : 363286

Name : MR. SACHIN BABANRAO RANAWARE

Age/ Sex : 41 Years / Male

Referred. By : DR.AVINASH N. KUMBHAR

Aut by : MGB

Coll. Dt&Tm : 05-Oct-2019 12:14:34

Auth. Dt&Tm : 05-Oct-2019 12:15:44

Print Dt&Tm : 05-Oct-2019 12:15:50

Sample ID. : 532119

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
<b>Chemical Examination</b>				
pH	5.0		N	4.5 - 8
Proteins	Absent			
Glucose	Absent			
Ketone	Absent			
urobilinogen	Negative			
Bile Salt	Absent			
Bile Pigment	Absent			
Occult Blood	Absent			
Nitrites	Negative			
<b>MICROSCOPIC EXAMINATION</b>				
Pus Cells	Nil	/hpf		0 - 5
Epithelial Cells	Nil	/hpf		0 - 4
Red Blood Cells	<b>Absent</b>	/hpf		0 - 2
Crystals	Absent			
Casts	Absent			

*(Handwritten Signature)*

**Dr. Neeraja Kulkarni**  
M.D (Path)

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

**Dr. Vishram Kulkarni**  
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ID:363286

Name: Ranaware Sachin  
Sex: M  
cm  
kg  
41 years  
Birth date: / /  
mmHg

Medication:  
Symptoms:  
History:  
Vent. rate 65 bpm  
PR int 112 ms  
QRS dur 84 ms  
QT/QTc(E) int 390/401 ms  
P/QRS/T axis 55/ 64/ 63 °  
RV5/SV1 amp 1.60/ 0.95 mV  
RV5+SV1 amp 2.55 mV

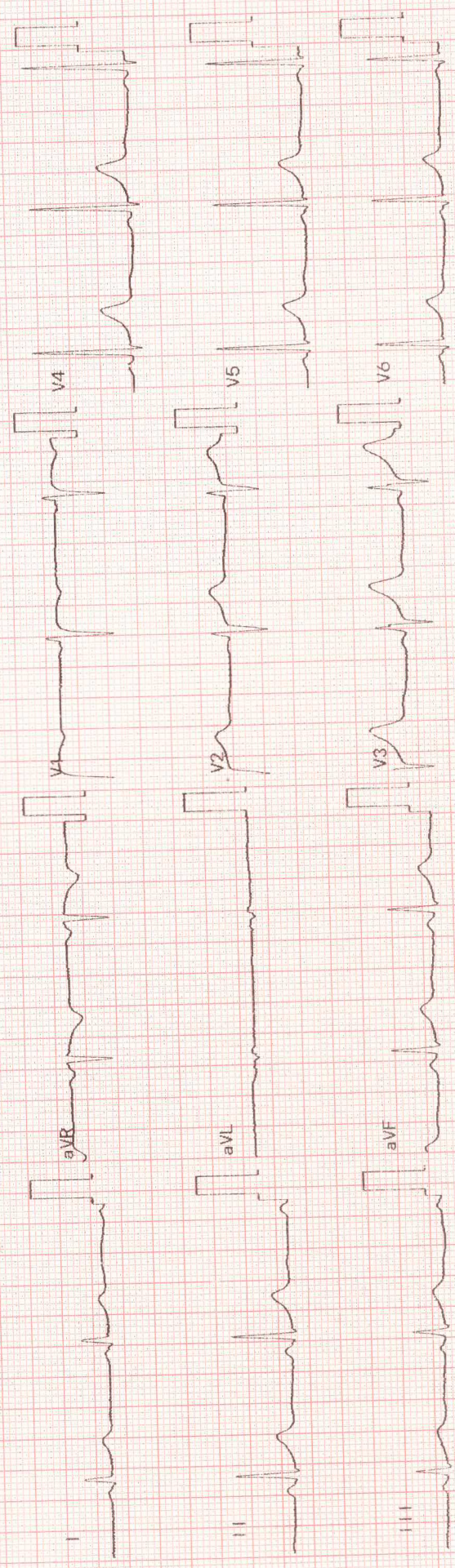
Unconfirmed Report  
Reviewed by:

10 mm/mV

10 mm/mV

10 mm/mV

10 mm/mV



Rhythm[1] 10 mm/mV





## DEPARTMENT OF RADIOLOGY

NAME : SACHIN BABANRAO RANAWARE      AH NO. : 363286      LOCATION : OPD  
AGE : 41 YEARS      SEX : MALE      ADM NO. :      EXAM NO. : 82932  
REF. BY : DR.AVINASH N. KUMBHAR      ORDER NO. : 4083222      DATE : 05/10/2019

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

Clinical profile : Health Check Up.

#### 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)

*Sarudkar*  
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 \(World On Wheels\)](#)





## Annexure 12



### Health Check up By Experts





In School Two Sanitation Blocks are constructed,

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School Eye Checkup Camp





**PRECISION ENVIROTECH**

(Water and Waste Water Treatment)

Near Vidharbh Konan Gramin Bank,  
Mane Complex,  
Shirol-416103, Dist. Kolhapur  
precisionenvirotech@gmail.com  
9860271729

**TEST CERTIFICATE**

Report No: PE/2019-20/06/

Date of Report: 10/05/2019

Client Name and Address:

Date of Sampling: 29/04/2019

Dalmia Bharat Sugar and Industries Ltd,  
Asurle Porle, Tal. Panhala, Dist. Kolhapur  
Maharashtra (India)

Sample Details : Noise

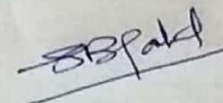
Sample Collected By Precision Envirotech

**Ambient Noise Report**

Sr. No.	Location	Result dB(A) Day Time	Result dB(A) Night Time	CPCB Standards dB(A)
1.	Near Main Gate	58	52	75 dB Day Time and 70 dB Night Time
2.	Near Administrative Office	46	42	
3.	Near Weigh Bridge	69	64	
4.	Near Boiler House	74	69	
5.	Near Power House	75	70	
6.	Near Molasses Tank	60	54	
7.	Sugar House	68	65	
8.	Near Sugar Godown	58	54	
9.	Near Switch Yard	62	54	
10.	Near Sugar ETP	66	58	

**Remark-**

➤ 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.

**AUTHORIZED SIGNATORY**




**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

<b>Domestic</b>	150	120
<b>All others</b>	0	0
<b>Total</b>	1560	1230

### 1) Effluent Generation in CMD / MLD

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
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)

<b>Name of Products (Production)</b>	<b>During the Previous financial Year</b>	<b>During the current Financial year</b>	<b>UOM</b>
Sugar, Molasses, Press mud, Bagasse, Power	1160	1230	CMD

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

### 4) Fuel Consumption

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
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

<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>		
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)

<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	43.30	43.30	0	150 mg/NM3	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>
5.1 Used or spent oil	7.10	2.4	MT/A

### **2) 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	9	0.80	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>
FLY ASH	4313	4587	MT/A
ETP SLUDGE	13	5	MT/A

#### **2) From Pollution Control Facilities**

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

#### **3) 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	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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
5.1 Used or spent oil	3.2	MT/A	NA

#### **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>
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.**

<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>
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**

<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 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

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**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



# 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-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

<b>Domestic</b>	05.0	05.0
<b>All others</b>	NA	NA
<b>Total</b>	NA	NA

### 1) Effluent Generation in CMD / MLD

<b>Particulars</b>	<b>Consent Quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
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)

<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

### 3) 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	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

<b>Fuel Name</b>	<b>Consent quantity</b>	<b>Actual Quantity</b>	<b>UOM</b>
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

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day) Quantity</b>	<b>Concentration of Pollutants discharged(Mg/Lit) Except PH,Temp,Colour Concentration</b>	<b>Percentage of variation from prescribed standards with reasons %variation</b>	<b>Standard</b>	<b>Reason</b>
SPENT WASH	480	IN INCREATION BOILER	0	0	NA

#### [B] Air (Stack)

<b>Pollutants Detail</b>	<b>Quantity of Pollutants discharged (kL/day) Quantity</b>	<b>Concentration of Pollutants discharged(Mg/NM3) Concentration</b>	<b>Percentage of variation from prescribed standards with reasons %variation</b>	<b>Standard</b>	<b>Reason</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>
21.2 Spent solvent	5130	5030	Kg/Annum
20.3 Distillation residues	5130	4950	Kg/Annum

#### 2) 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>
0	0	0	Kg/Annum
0	0	0	Kg/Annum

### **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>
NA	NA	NA	Kg/Annum

#### **2) From Pollution Control Facilities**

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

#### **3) 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>
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**

<b>Type of Hazardous Waste Generated</b>	<b>Qty of Hazardous Waste</b>	<b>UOM</b>	<b>Concentration of Hazardous Waste</b>
20.2 Spent solvents	5030	Kg/Annum	WITHIN LIMITS
20.3 Distillation residues	4950	Kg/Annum	WITHIN LIMITS

#### **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>
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.**

<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>
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**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
Provision of multiple evaporator and incineration	Distillery is ZLD & development of Green belt	1500

#### **[B] Investment Proposed for next Year**

<b>Detail of measures for Environmental Protection</b>	<b>Environmental Protection Measures</b>	<b>Capital Investment (Lacks)</b>
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**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

Newspaper advertisements are enclosed as

**♦ पर्यावरण अनुमतीबाबतची सूचना ♦**

प्रस्तावाच्या अनुषंगाने कळविण्यात येते की, पर्यावरण आणि वन मंत्रालयाने पर्यावरण अनुमती प्रस्ताव मंजूर केलेला आहे. कृपया याबाबतच्या मंजूरी पत्राच्या प्रती महाराष्ट्र राज्य प्रदूषण नियंत्रण मंडळ या पोर्टलवर दि. १०/०८/२०१७ च्या क. जे-११०११/३०४/२०१६-अवर ॥ (१) या पत्रानुसार उपलब्ध करण्यात आलेला आहेत. तसेच <http://moe.mca.gov> या मंत्रालयाच्या वेबसाईट पोर्टलवरती देखील पाहता येतील.

**श्री दत्त साखर कारखाना, आसुर्ले-पोर्ले**  
(प्रोप. डालमिया भारत शुगर अँड इंडस्ट्रीज लि.) ता. पन्हाकर,  
जि. कोल्हापूर, (महाराष्ट्र) ४१६ २२१