

*Jamkhandi Sugars Ltd.,*

ಜಮಖಂಡಿ ಶುಗರ್ ನಿ. ಜಮಖಂಡಿ.

GSTIN No : 29AAACJ8575C1ZD



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CIN No. U85110KA1993PLC014570

REF.NO: JSL/MFG-MOEF&CC/2020-21/1097

Date: 31.05.2021.

To,

The Joint Director,  
GOVERNMENT OF INDIA  
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE  
INTEGRETED REGIONAL OFFICE (Southern Zone)  
4<sup>th</sup> Floor, E&F-Wings, Kendriya sadan, 17<sup>th</sup> Main Road, II Block, Koramangala,  
BANGALORE-560034

Dear Sir,

Sub: Half yearly Compliance report for the period October 2020 to March -2021reg---


Ref: F.No.J-11011/300/2007-IA-II (I) Dated: 15<sup>th</sup> February, 2021.

With reference to the above subject, we are enclosing herewith, half yearly Compliance report for the period October 2020 to March2021 (Sugar &Distillery Division).

Kindly acknowledge the receipt of the same.

Thanking you,

Yours faithfully,  
For Jamkhandi sugars Ltd,

  
V.Sivaprakasam.  
Managing Director.

Encl: As above

**COMPLIANCE WITH MOEF / ENVIRONMENTAL CLEARANCE, NEW DELHI  
F.NO. J-11011/300/2007-IAII (I)**

**M/S: JAMKHANDI SUGARS LTD HIREPADASALAGI VILLAGE, POST NAGANUR,  
TQ: JAMKHANDI, BAGALKOT DISTRICT 587301 KARNATAKA**

EC obtained from MoEF & CC vide letter no. F.No. J-11011/300/2007-IAII(I) dated 15.02.2021 for sugar cane crushing capacity 11,500 TCD, Co-generation power plant of capacity 34 MW and distillery unit for 150 KLD using multi feedstock of C-Heavy molasses/ B-Heavy molasses and sugarcane syrup with captive power plant 4.7 MW and EC corrigendum is obtained dated 05.05.2021 for replacing the total fresh water requirement for the industry will be 1885 m<sup>3</sup>/day in place of 985 m<sup>3</sup>/day.

**Present Status:** Consent for Establishment Expansion application for both sugar unit, co-gen unit and distillery unit was submitted and was also considered during consent committee meeting and CFexp will be issued shortly.

**SPECIFIC CONDITIONS: -**

SI No	CONDITIONS	COMPLIANCE
(i).	The company shall 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 and risk mitigation measures relating to the project shall be implemented	Industry strictly adheres and is complying with the recommendations to the environmental protection measures and safeguards mentioned in the EIA/EMP report.
(ii).	The project proponent will treat and reuse the treated water within the factory and no waste or treated water shall be discharged outside the premises	<b>Sugar and Co-gen unit:</b> Wastewater generation from the sugar and co-gen unit is treated in ETP; bio-digester is recently installed to make the ETP adequate for the expanded capacity. The treated effluent is being reused for on land for irrigation/ gardening/ greenbelt.  <b>Distillery unit:</b> Spent wash generation is being evaporated in Multiple Effective Evaporator and concentrated spent wash will be used as fuel in the incineration boiler. The other process condensate and spent lees will be treated in CPU. CPU condensates recycled back to process. The distillery plant is operating on Zero Liquid Discharge (ZLD).
(iii)	Total fresh water requirement shall not exceed 985 m <sup>3</sup> /day and it will be met from River Krishna. Prior permission shall be obtained from the concerned regulatory authority/CGWA in this regard, and renewed from time to time. No ground water recharge shall be permitted within	Industry has installed flow meter for the daily fresh water consumption. Industry ensures the fresh water consumption will not exceed the consented quantity.  EC Corrigendum is obtained from MoEF & CC vide No. F. No. IA-J-11011/300/2007-IA-II (I)



	the premises.	dated 05.05.2021 for replacing the total fresh water requirement for the industry will be 1885 m <sup>3</sup> /day in place of 985 m <sup>3</sup> /day. EC amendment copy enclosed as <b>Annexure 1</b> .  Fresh water is sourced from River Krishna. Water drawl permission obtained from water resources department GOK is enclosed as <b>Annexure 2</b> .
(iv)	Spent wash shall be treated using concentration and drying to form potash rich manure.	The spent wash is concentrated in MEE and used as a fuel for incineration Boiler. Boiler ash will be sold to farmers or brick manufacturers.
(v)	Co <sub>2</sub> generated from the process shall be bottled/made solid ice and utilized/sold to authorized venders.	Industry ensures the CO <sub>2</sub> generated during the process will be bottled and sold to authorized vendors.
(vi)	Occupational health centre for surveillance of the workers health shall be set up. The health data shall be used in deploying the duties of the workers. All workers and employees shall be provided with required safety kits/mask for personal protection.	Industry is having full-fledged Occupational health center in the factory and health checkup of the employees will be carried out periodically and data will be maintained for future reference. The personal protective equipment's (PPE) are provided to all the employees.  The health check report of employees (sample two operators reports) is enclosed as <b>Annexure 3</b> .
(vii)	Training shall be imparted to all employees on safety and health aspects of chemicals handling. Safety and visual reality training shall be provided to employees.	Trainings are given to employees on safety and health aspects. Mock drills will be carried out periodically.
(VIII)	The unit shall make the arrangement for protection of possible fire hazards during manufacturing process in material handling. Firefighting system shall be as per the norms.	Industry has put the fire hydrant line inside the premises and SOP are drawn for manufacturing process. Safety measures are incorporated in the manufacturing process.
(ix)	Process organic residue and spent carbon, if any, shall be sent to cement other suitable industries for its incinerations. ETP sludge, process inorganic & evaporation salt shall be disposed of to the TSDF.	Only DG used oil and waste residues containing oil is generated from the industry and it is stored in the leak proof barrels and reused for civil equipments, chains and sockets, shutters and wheels.  ETP sludge is used as manure for green belt.
(x)	The company shall undertake waste minimization measures as below (a) Metering and control of quantities of active ingredients to minimize waste: (b) Reuse of by-products from the process as raw materials or as raw material substitutes in other processes. (c) Use of automated filling to minimize spillage. (d) Use of close feed system into batch reactors. (e) Venting equipment through	Industry has installed flow meters at all effluent generation stations and all the efforts for the minimization of waste generation. Bagasse & molasses are byproducts from sugar manufacturing process. Bagasse will be used as fuel in co-generation boiler as fuel and Molasses will be used to produce Ethanol.  Concentrated spent wash will be used as fuel in incineration boiler.



	recovery system. (f) use of high-pressure hoses for equipment cleaning to reduce wastewater generation.	Industry is using high pressure hoses for the cleaning of tubes in the evaporation system to minimize the waste water generation.
(xi)	The green belt of at least 5-10 m width shall be developed in nearly 33% of the total project area, mainly along the plant periphery. Selection of plant species shall be as per the CPCB guidelines in consultation with the state Forest Department. Records of tree canopy shall be monitored through remote sensing map.	Industry has developed green belt all around the boundary also inside the industry premises in consultation with state Forest Department. The area covered by green belt is 50.624 acres accounting for 34.26% of the total land area.  The tree plantation details and photographs is enclosed as <b>Annexure 4</b> .
(xii)	As per the ministry's OM dated 30.09.2020 superseding the OM dated 01.05.2018 regarding the Corporate Environmental Responsibility, and as per the action plan proposed by the project proponent to address the socioeconomic and environmental issues in the study area, the project proponent, as committed, shall provide education funds in technical training centers/support in nearby villages school, support in health care facilities, drinking water supply and funds for miscellaneous activities like solar street lights lights,battery,solar panel etc, in the nearby villages. The action plan shall to be completed within time proposed.	Industry ensures the utilization of funds under the Corporate Environmental Responsibility as committed and will be updated to the Regional Office of the ministry on yearly basis.  Activities specified under CER is given in <b>Annexure 5</b> .
(xiii).	There shall be adequate space inside the plant premises earmarked for parking of vehicles for raw materials and finished products, and no parking to be allowed outside on public places	Industry has provided an area of 04 acres for parking of vehicles for raw materials and finished products.
(xiv)	Storage of raw materials shall be either stored in silos or in covered areas to prevent dust pollution and other fugitive emissions.	The raw material is stored in closed MS steel tanks provided with dyke walls surrounding the tanks. Storage tank farm photographs given in <b>Annexure 6</b> .
(xv).	Continuous online (24x7) monitoring system for stack emission shall be installed for measurement of flue gas discharge and the pollutants concentration, and the data to be transmitted to the COPCB and KSPCB server. For online continuous monitoring of effluent, the unit shall install web camera with night vision capability and flow meters in the channel/drain carrying effluent within the premises	Industry provided online continuous emission / effluent monitoring system and connected to CPCB server as well as Karnataka state pollution control board server.  photograph of online monitoring system is enclosed as <b>Annexure 7</b> .
(xvi)	A separate environmental management cell (having qualified person with	Industry is having full -fledged Environmental management cell consisting of well qualifies



environmental science/Environmental Engineering/ specialization in the project area) equipped with full-fledged laboratory facilities shall be set up to carry the Environmental Management and Monitoring functions.	persons. The ornamgram of the Environmental management cell is enclosed as <b>Annexure 8</b> .
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### 12.1 General Conditions:

SI No	Conditions:	Compliances
(i)	No further expansion or modifications in the plant, other than mentioned in the EIA Notifications, 2006 and its amendments, shall be carried out without prior approval of the ministry of environment, forest and climate change/SEIAA, as applicable. In case of deviations or alterations in the project proposal from those submitted to this ministry for clearance, a fresh reference shall be made to the ministry/SEIAA, as applicable, to assess the adequacy of conditions imposed and to add additional environmental protection measures required, if any.	Noted and agreed.
(ii).	The energy source for lighting purpose shall be preferably LED based, or advanced having preference in energy conservation and environment betterment	Industry ensures that the lighting will be done by using LED only. Industry has installed 500 No's of LED lights inside the industry premises. LED light photographs shown in <b>Annexure 9</b> .
(iii)	The overall noise levels in and around the plant area shall be kept well within the standards by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels shall conform to the standards prescribed under the Environment (protection) act, 1986 Rules, 1989 viz. 75 dBA(daytime) 70 dBA (night time).	Industry has provided acoustic measures for the generators to control the noise levels.  Industry regularly monitoring the noise levels through NABL accredited laboratory third on monthly basis. The noise level in an around the plant area were maintained within the stipulated standards.  The Noise analysis reports are enclosed as <b>Annexure 10</b> .
(iv)	The company shall undertake all relevant measures for improving the socio-economic conditions of the surrounding area. CER activities shall be undertaken by involving local villages and administration and shall be implemented. The company shall undertake eco-developmental measures	The company M/s. Jamkhandi sugars Ltd has been undertaking and implementing CSR activities by giving donations to promote various social, cultural and philanthropic activities. The company has spent about Rs. 8.14 Lakhs on various CSR activities.  An amount of budget of Rs. 50 lakhs is



	including community welfare measures in the project area for the overall improvement of the environment.	earmarked for shouldering the CER activities. List of CER activities is given in <b>Annexure 5</b> .
(v)	The company shall earmark sufficient funds towards capital cost and recurring cost per annum to implement the conditions stipulated by the ministry of environment, Forest and Climate change as well as the state Government along with the implementation schedule for all the conditions stipulated herein. The funds so earmarked for environment management/pollution control measures shall not be diverted for any other purpose	Industry noted the condition for Compliance.  Budget towards EMP is enclosed as <b>Annexure 11</b> .
(vi)	A copy of the clearance letter shall be sent by the project proponent to concerned panchayat, Zilla parishad/municipal corporation, Urban local body and the local NGO, if any from whom suggestions/representations, if any, were received while processing the proposal.	Industry has submitted the copy of the Environmental Clearance to the panchayat office and copy of the same enclosed as <b>Annexure 12</b>
(vii)	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated environmental clearance conditions including results of monitored data (both in hard copies as well as by e-mail) to the respective Regional Office of MOEF &CC, the respective Zonal Office of CPCB and KSPCB. A copy of Environmental clearance and six-monthly compliance status reports shall be posted on the website of the company.	Industry is regularly submitting the status of six-monthly compliance reports to the Regional Office of MoEF &CC, Bangalore.  Industry will post the copy of the Environment Clearance and status of the compliance in the company website.
(viii)	The environmental statement for each financial year ending 31 <sup>st</sup> March in Form-V as in 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.	Industry submitting the Environmental statement to the regional office of the state pollution Control Board and status of the compliance for the Environment Clearance conditions by email to the regional office of the ministry.



(IX).	The project proponent shall inform the public that the project has been accorded environmental clearance by the ministry and copies of the clearance letter are available with the SPCB/Committee and may also be sent at website of the ministry and at <a href="https://parivesh.nic.in/">https://parivesh.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	Industry has circulated the accordance of the Environment Clearance in the two local news papers and copy of the same is enclosed as <b>Annexure 13.</b>
(x)	The project authorities shall inform the regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Industry ensures and will intimate the date of the financial closure and final approval of the project and start date of project.
(xi)	This Environmental clearance is granted subject to final outcome of Hon'ble Supreme court of India, Hon'ble High court, Hon'blr NGT and any other Court of Law, if any, as may be applicable to this project.	Industry abide by the conditions
13.	The ministry reserves the right to stipulate additional conditions, if found necessary at subsequent stages and the project proponent shall implement all the said conditions in a time bound manner. The Ministry may revoke or suspend the environmental clearance, if implantation of any of the above conditions is not found satisfactory.	Industry abide by the conditions
14.	Concealing factual data or submission of false/fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of environment (Protection) Act, 1986.	Industry abide by the conditions
15.	Any appeal against this environmental clearance shall lie with the national Green Tribunal, If preferred, within a period of 30 days as prescribed under section 16 of the National Green tribunal	Industry abide by the conditions



	act, 2010.	
16.	The above conditions will be enforced, inter-alia under the provisions of the Water (prevention & Control of Pollution) Act, 1974, the Air (prevention & Control of pollution) act, 1981, the environment (protection) act, 1986, the Hazardous Waste Management, Handling and Transboundary movement) Rules, 2016 and the Public liability Insurance Act, 1991 read with subsequent amendments therein.	Industry abide by the conditions

This is for your kind information and kindly accepts our compliance.

Thanking you,

Yours faithfully,  
For Jamkhandi sugars Ltd,



V. Sivaprakasam.  
Managing Director.

