

Jamkhandi Sugars Ltd.

ಜಮಖಂಡಿ ಶುಗರ್ಸ್ ಲಿ. ಜಮಖಂಡಿ.

GSTIN No : 29AAACJ8575C1ZD



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JSL/MFG-ENV/SEIAA/2019-20/ 1774

Date: 17.06.2019

To,
STATE LEVEL ENVIRONMENT IMPACT ASSESSMENT
AUTHORITY, KARNATAKA
Department of Ecology & Environment,
Room No.709, 7th Floor, IV-Gate,
M.S.Building, Bangalore-560001,

Sub: Half yearly compliance report for the period October 2018 to March 2019 -Reg

Ref: No.SEIAA:12IND:2009 Dated 29th December 2009

Respected Sir,

With reference to the above subject herewith we are submitting the half yearly compliance report for the period October 2018 to March 2019. The details are as follows

SI No	Description	Details
1.	Name of the Industry	Jamkhandi sugars Limited Hirepadasalagi -587301 Tal: Jamkhandi, Dist : Bagalkot
2.	Person Responsible	Shri. Subas.K.Naik. Sr.General Manager-Works
3.	Email.ID	gm@jamkhandisugars.com
4.	Phone No/ Mobile	08353-254160 +919008489451
5.	Web site details	www.jamkhandisugars.com
6.	Environmental Clearance details	No.SEIAA:12IND:2009 Dated 29 th December 2009
7.	Working days (Days)	105



Compliance to the Environmental clearance conditions

M/s Jamkhandi Sugars Limited is located at Hirepadasalgi village, Jamkhandi Taluk, Bagalkot District it is operating the sugar unit since 2001.

The unit was started in the year 2001 with the production of 2500TCD sugarcane with cogeneration plant of 12MW. Later Environmental Clearance under the EIA Notification 2006 is obtained from MoEF & CC No- JSL-I/SEIA/08-09/706 dated 07.11.2009 for the production of 5000TCD sugar with cogeneration plant of 27MW. Later the industry has obtained valid combined consent order under the Water Act and the Air Act vide No.AWH-301061 from KSPCB and the same is valid up to 30.06.2021. The water requirement is 230 m³/day met from River Krishna.

Sl. No.	products	Production capacity
1	Crystalline white sugar	5000 (TCD)
2	Cogeneration	27 MW

Sl.No	GENERAL CONDITIONS IMPOSED BY MOEF	Compliance to the Conditions												
1	Suitable Air Pollution monitoring system ESP and stacks of appropriate height as the CPCB guidelines shall be provided to control emissions from various sources and shall ensure emissions levels below the KSPCB prescribed standards. Separate electric meters should be provided to the air pollution monitoring system and a separate log book maintained for the daily meter reading and monthly report submitted to concerned Regional Officer KSPCB and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum. The production process should be interlocked with the air pollution control systems.	<p>APC equipment and stack height is provided as per the consent issued by KSPCB under the Water and the Air Act as under;</p> <table border="1"> <thead> <tr> <th>Sl.No.</th> <th>Boiler caacity</th> <th>APC equipment</th> <th>Stack height.</th> </tr> </thead> <tbody> <tr> <td>1.</td> <td>90TPH</td> <td>ESP</td> <td>90 m</td> </tr> <tr> <td>2.</td> <td>70TPH</td> <td>Scrubber</td> <td>56m</td> </tr> </tbody> </table> <p>Emission from the boiler is less than 150 mg/Nm³. Copy of the analysis report is attached as annexure I</p> <p>Separate energy meter is provided for the APC equipment. Log book is maintained for energy consumption and the extract is submitted to the monthly submitted to R.O Bagalkot</p>	Sl.No.	Boiler caacity	APC equipment	Stack height.	1.	90TPH	ESP	90 m	2.	70TPH	Scrubber	56m
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2	ETP treated water shall not be let out of the industries premises and should be used for farming / gardening within.	The condensate collected from the process is treated and used in the collig tower cane washing etc. The treated effluent is utilised for irrigation in a controlled manner to avoid flooding. The treated effluent quality is in the annexure II .												
3	Ash generated should be mixed with press mud and composted and used or given to farmers as manure. 100 % utilization of ash should be ensured from	Separate yard is maintained for ash & press mud collection. Ash and press mud is given to farmers for soil conditioning and used as manure by												



	the date of operation of the plant. The project authorities shall adhere to the provision stipulated in the fly ash in the notification of September, 1999 and as amended in August 2003 in regard to fly ash utilization.	farmers.
4	All the condition stipulated in CFE / CFO issued by Karnataka State Pollution Control Board shall be strictly implemented.	All the condition stipulated in CFE / CFO issued by Karnataka State Pollution Control Board are complied with.
5	Only Bagasse or Biomass should be used as fuel. Not to use wood logs, coal as fuel and no other fuels should be used.	Bagasse is used as fuel in boiler.
6	No ground water shall be drawn at any stage. Treated effluent shall be used for sugar cane seed farms / green belt development. There should be no waste water discharged from the plant.	The water for process is met from river Krishna and 70% water content present in sugarcane is utilised in the process. Treated effluent is used for irrigation. So no ground water is drawn.
7	For controlling fugitive dust inside and outside the plant premises and vulnerable areas of the plant, dust extraction and separation system and water sprinklers shall be ensured.	Water sprinklers are used for bagasse pith storage are and on roads for dust control.
8	Noise level shall be limited to 75 DBA. For people working in high noise area, requisite personal protective equipment like ear plug etc. shall be provided.	Ear plugs & safety protective equipment's are provided to all employees wherever necessary. The noise level is within permissible limit. Report of noise monitoring is enclosed as annexure III .
9	Minimum 33 % green area should be developed in the project area. Planting should done with tree density of about 1111 trees per ha. i.e. at an espacement of 3 m x 3 m and covered with suitable with local perennial tree species.	Green belt of 25 acres is earmarked, 30 acres earmarked for seed development and multiplication ETC, 3 acres is earmarked for cane harvesting labours temporary shed and tens.
10	The gaseous emissions (SO ₂ , NO _x) and particulate matter from boilers, D.G. sets and other processes shall conform to the standards prescribed by the concerned authorities from time to time. At no time, the emissions shall exceed the prescribed limits. In the event of failure of any pollution control system adopted by the unit, the unit shall be immediately put out of operation under intimation to the Regional Officer KSPCB and Regional	Emission from the boilers are meeting the standards prescribed by the KSPCB. Analysis report is in annexure I



	Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum and shall not be restarted until desired efficiency has been achieved.	
11	The project authorities shall develop separate drain for storm and waste water so that during rains, waste water is not mixed with the storm water. The waste water drains shall be provided with V notch for monitoring the quantity of waste water and the waste water quantity shall be limited to the extent of permission of Karnataka State Pollution Control Board.	Waste water drain is completely covered and is independent of the storm water drain. Automatic flow meter and online automatic monitors for BOD,COD, TSS and pH is provided and connected to CPCB and KSPCB portals. Photographs are attached as annexure IV .
12	The company shall take adequate steps to avoid to odour nuisance from the disposal of press mud and ETP sludge. The transportation of these shall be in covered means.	Separate yard is maintained for press mud collection and it is disposed along with ETP sludge to farmers for use as manure. As these by products are not accumulated at site the odour problem will be minimul.
13	The company shall develop cover storage areas for lime, sulphur, and phosphoric acid to avoid mixing of the same with the rain water for the existing sugar cane plant.	The industry has made a closed room for storage in a secured manner and precaution is taken to avoid mixing the same.
14	Regular monitoring of the air and water quality should be carried out in and around the plant and records be maintained. Half yearly reports shall be submitted to the SEIAA Karnataka, MOEF Regional Office, Bangalore, Department of Environment and Ecology, Government of Karnataka Bangalore and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.	Compliance reports are submitted to KSPCB. Half yearly report is sent to Regional Office, MoEFCC, Bangalore and SEIAA
15	Adequate numbers of ground water quality monitoring stations shall be set up around the green belt area. These monitoring stations will be provided with piezometers. The company shall monitor six monthly, soil and ground water quality in the plant and green belt area to ensure that there shall not be ground water pollution and reports submitted to	Pizometers will be provided shortly.



	Ministry's Regional Office / SPCB/CPCB, Department of Environment and Ecology, Government of Karnataka Bangalore and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.	
16	The project proponent shall advertise at least in two local newspapers widely circulated in the region around the project, one of which shall be in the vernacular language of the locality concerned, informing that the project has been accorded environmental clearance and copies of clearance letter available with the Karnataka State Pollution Control Board and Authority website at http://seiaa.kar.nic.in	Complied. The EC copy will be disclosed in company official website link WWW.jamkhandisugars.com
17	A separate environment and safety management cell with qualified staff shall be set up with a representative from co-generation before commission of construction activities and shall be maintained through out the lifetime of the industry, for implementation of the stipulated environmental safeguards.	An environmental cell is formed comprising of GM Process, Dy. C.E., Manager-Envt,HR Manager, Chemists, workers & staff
18	Half yearly report on the status of implementation of the stipulated conditions and environmental safeguard shall be submitted to SEIAA, Karnataka / Regional Office of Ministry of Environment & Forests, Bangalore / CPCB / SPCB / KSPCB, Department of Environment and Ecology, Government of Karnataka and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.	Half yearly compliance report is submitted regularly to regulators as indicated.
19	Karnataka SEIAA / Regional Office of the Ministry of Environment and Forests located at Bangalore / Department of Environment and Ecology, Government of Karnataka and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum will monitor the implementation of the stipulated conditions. Complete set of Environmental Impact Assessment Report and Environment Management Plan along	We will co-operate with the regulatory officials during inspection and provide all necessary documents for verification.



	with the additional information submitted from time to time shall be forwarded to the Regional Office of MOEF Bangalore / SEIAA Karnataka / Department of Ecology and Environment, Government of Karnataka and the Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum for their use during monitoring.	
20	Separate funds should be allocated for implementation of Environmental protection measures along with item-wise break-up. These cost shall be included as part of the project cost. The funds earmarked for the environment protection measures shall not be diverted for other purposes and year-wise expenditure should be reported to the SEIAA Karnataka, MOEF Regional Office Bangalore, Department of Environment and Ecology, Government of Karnataka and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum.	A separate budget is made every year for implementation of conditions stipulated in EC and consent to ensure proper operation and maintenance of pollution control systems and monitoring of environmental attributes.
21	The project authorities should inform the SEIAA, Karnataka/ Department of Environment and Ecology, Government of Karnataka and Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum / Regional Office of the Ministry of Environment and Forests regarding the date of financial closure and final approval of the project by the concerned authorities and the dates of start of land development work and commissioning of plant.	31 st March 2012 is the financial closure. The project was constructed in the year 2011 commissioned and commissioned during the 2011-12 sugar cane crushing season
22	The project authorities shall provide rainwater harvesting and ground water recharge facilities and report be submitted.	Rain water is diverted to service water tank and collected and used for the process.
23	Application of solar energy should be incorporated for illumination of common areas, lighting for gardens and street lighting in addition to provision for solar	Work will be taken up



	water heating. A hybrid system or fully solar system for lighting and heating should be provided. Details in this regard should be submitted to the SEIAA.													
24	Full co-operation should be extended to the Scientists / Officers from the Ministry / Regional office of the Ministry at Bangalore / the CPCB / the KSPCB / the Department of Environment and Ecology, Government of Karnataka / Regional Director (Environment), Department of Ecology and Environment, Government of Karnataka, Belgaum who would be monitoring the compliance of conditions.	Followed												
25	A master plan for social commitment giving details of proposed works / activities and expenditure year wise to be prepared and submitted to SEIIA and shall be implemented strictly.	<p>CER fund is allocated for the development of local village like development of road, school, employment opportunity.</p> <p>The details of the work carried out are as under</p> <table border="1"> <thead> <tr> <th>Sl. no</th> <th>Work carried out</th> <th>Amount spent. In Rs. laks</th> </tr> </thead> <tbody> <tr> <td>01</td> <td>Hirepadasalagi to Takkalaki road-2.5 KM,2015</td> <td>53.19</td> </tr> <tr> <td>02</td> <td>Hirepadasalagi to gadyal 2.0 KM,2016</td> <td>55.00</td> </tr> <tr> <td>03</td> <td>Naganur to Adihudi-2.5 KM,2018</td> <td>64.17</td> </tr> </tbody> </table>	Sl. no	Work carried out	Amount spent. In Rs. laks	01	Hirepadasalagi to Takkalaki road-2.5 KM,2015	53.19	02	Hirepadasalagi to gadyal 2.0 KM,2016	55.00	03	Naganur to Adihudi-2.5 KM,2018	64.17
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26	The project proponent shall undertake the medical check up camps provide education facilities for the students, plantation of samplings in surrounding schools etc., Hirepadasalagi, Chikkpadasalagi, Nagnur, Todalbagi and Takkalaki villages towards the corporate social commitment made vide letter dated 07.12.2009 with a budget not less than 5.04 lacks per annum from 2010-11 as committed and report be submitted to the Authority.	Noted and followed.												
27	The project proponent should display the conditions prominently at the entrance of the project on a big panel board for the information of the public.	Displayed near the main gate for the Public information.												
28	The infrastructure of transport roads linking to the nearest main road shall be improved and maintained by the proponent.	Noted.												



29	The SEIAA reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry.	Noted .
30	The environmental clearance accorded shall be valid for a period of 5 years or date of commencement of operation of the power plant, whichever is earlier. In case the project authorities fail to do so within the stipulated period, this environmental clearance shall stand lapsed automatically.	The implementation of the project and commissioning was done within the EC validity period.
31	No further expansion or modification in the plant shall be carried out without prior approval from the SEIAA Karnataka. In case of any deviation or alternation in the project proposed from those submitted to this SEIAA for clearance, a fresh reference should be made to the SEIAA to assess adequacy of the conditions imposed and to add additional conditions for environmental protection required, if any.	Noted
32	The above stipulations would be enforced among others under the Water (Prevention and Control of Pollution) Act, 1974, the Air (Prevention and Control of Pollution) Act 1981, the Environment (Protection) Act 1986, Hazardous Waste (Management and Handling) Rules, 1989 and its amendments, the Public Liability Insurance Act 1991 and its amendments, the Environment Impact Assessment Notification of January, 2006 and their subsequent manufacture, storage and Import of Hazardous Chemicals Rules 1989 amendments.	Noted & followed.
33	The issue of Environment Clearance doesn't confer any right to the project proponent to operate / run the project without obtaining statutory clearances / sanctions from all the other concerned Authorities.	Noted and followed.
34	Concealing factual data or submission of false / fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal	Noted.



	of this clearance and attract action under the provisions of Environmental (Protection) Act, 1986.	
35	Any Appeal against this environmental clearance shall lie with the national Environment Appellate Authority, if prepared, within a period of 30 days as prescribed under Section 11 of the National Environment Appellate Authority Act, 1997.	It is cleared.

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

Thanking You

Yours Faithfully
For Jamkhandi sugars Limited



V.Sivaprakasam
Managing Director