

Jamkhandi Sugars Ltd., Unit - II
ಜಮಖಂಡಿ ಶುಗರ್ ನಿಯಮಿತ, ಘಟಕ - II

At Post : NAD KD - 586 217. Tq : INDI Dist : VIJAYAPUR - KARNATAKA

• GST No. : 29AAACJ8575C1ZD • PAN NO. : AAACJ8575C



☎ Unit - I : OFF : 254161/2/3/4 STD : 08353

Unit - II : OFF : 240257 / 259 STD : 08359

E-mail : ceo@jamkhandisugars.com

Date 01-06-2022

To -

Government of India
Ministry of environment, forest & climate change
Regional office (southern zone)
Kendriya sadan, 4th floor, E&F Wings, 17th main road
2nd block koramangala Bangalore-560034

Dear Sir,

Sub-submission of Half yearly compliance report for the periodicity period
October 2021 to march 2022

Ref – EC No-J-13012/38/2012-19-II (T) Dated 19-03-2014 27MW Bagasse based
co-generation power plant of M/S-Jamkhandi sugars Ltd unit-2 NAD-KD. INDI ,DT-
Vijayapur.

With reference to the above subject, we are herewith submitting the reply to the
points on the compliance to each of the conditions of the EC.

Pl find the attached file,

Thanks with regards

For JAMKHANDI SUGARS LTD UNIT-2

G. Madhavaraju

(G.MADHAVARAJU)
CHIEF EXECUTIVE OFFICER



Compliance to the Environmental clearance for 27 MW bagasse based cogeneration power plant FNO: J-13012/38/2012-I.II (T) dated 19-02-2014

A. Specific Conditions:

Sl. No.	Condition	Status of Compliance
1	To control the particulate emission from the boiler, ESP meeting 100 mg/Nm ³ shall be installed.	ESP followed by bag filter as air pollution control equipment to control particulate emission from boiler & the height of stack is maintained at 90 Mtrs as per CPCB guidelines. Regularly monitoring the stack emissions.
2	Bag filters shall be provided for control of fugitive emissions from the ash handling areas.	To control fugitive emission the ash is taken through dampers to silo. From silo it is taken to conditioning system where water is sprayed to suppress fugitive emission and the air is passed through bag filters to remove any suspended particles before the air enters in the atmosphere. Then the ash collected in the silo. Loading into trucks and transported to brick manufacturers.
3	A stack of 76 m height shall be installed.	Stack height of 90 m and ESP as air pollution control equipment is provided as per the CPCB guidelines.
4	The project proponent shall undertake rain water harvesting measures and shall develop water storage for use in operation of the plant. Rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action Plan for	The rainwater harvesting measures is planned to collect and reuse in the plant. Surface runoff: 1. The rainwater during rainy season is collected at the lowest point of the factory area.

J. Munn



	implementation shall be submitted to the Ministry.	<p>2. The place selected for the storage of rainwater is towards North East the factory area.</p> <p>3. Reservoir capacity will be 1600 cum (2 days storage facility is provided).</p> <p>Roof top</p> <p>4. Roofs area of the project is 44,514 sq m</p> <p>5. The entire roof top water collected through building side gutter and collected water will be channel to storage tank of capacity 1000m³. For reuse once the rain stops.</p>
5	COC of 4.0 shall be adopted.	Cycle of Concentration in the cooling tower is maintained between 3 - 4. It is a natural draft cooling tower.
6	Wastewater generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB.	An ETP of 350 KLD having anaerobic treatment followed by 2 stages aerobic sludge process & connected the same to online monitoring systems of CPCB & KSPCB .not letting out any waste water from the plant to outside premises & the treated water is used for green belt .
7	Fly ash generated shall be provided to farmers to be used as manure or disposed of as per Fly Ash Utilization Notification, 1999 and as amended subsequently.	Fly ash is disposed to brick manufacturers & farmers..

S. Arun Kumar



8	A minimum amount of 0.4% of the project cost as one time capital cost shall be earmarked for activities to be taken up under CSR during construction phase of the Project. Recurring expenditure for CSR thereafter shall be 1/5 th of the capital cost per annum or as per CSR guidelines of Govt. of India, whichever is more till the life of the plant.	<p>CSR Activities as mentioned below and fund allocation is Rs 30 lac</p> <ol style="list-style-type: none"> 1) Eradicating extreme hunger and poverty Rs 5 Lac 2) Promotion of education 15 Lac 3) Employment enhancing vocational skills Rs 10 lac . 4) Company has employed people from the nearby villages & 80% of the staff are sourced locally & adequate training is being imparted to them.
9	CSR schemes should address Public Hearing issues and shall be undertaken based on need assessment in and around the villages within 5 km of the site and in constant consultation with the village Panchayat and the District Administration. As part of CSR employment of local youth after imparting relevant training, as may be necessary, shall be undertaken as committed.	
10	Social Audit by a reputed University or an Institute shall be carried out periodically as per CSR guidelines of Govt. of India and details to be submitted to MOEF besides putting it on Company's website.	Company is incurring continued losses not able to comply with CSR guidelines as applicable only for profit making companies.
11	Green Belt consisting of 3 tiers of plantations of native species around the plant boundary comprising of atleast 33% of total land for both Sugar plant and proposed thermal power plant shall be raised. The density of trees shall not be less than 2500 per Ha and rate of survival atleast 80%	For Green belt on 35.0 Acres of land out of total area of 98 acres is earmarked and developed i.e., 33% of the total area. About 40,000 No. of indigenous plant species & the rate of survival is maintained at more than 80% .
12	An Environmental Cell shall be created at the project	An Environmental Management cell

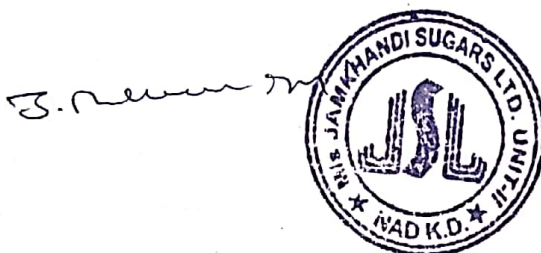
B. Neeraj



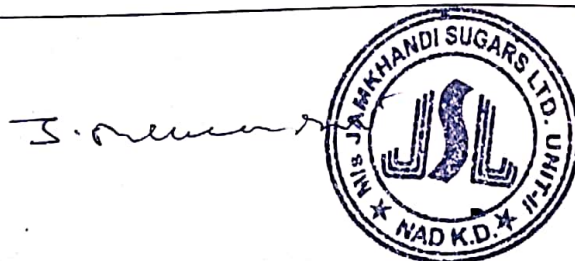
site itself and shall be headed by an officer of appropriate superiority and qualification. It shall be ensured that the Head of the Cell shall directly report to the Head of the organization.	is already set up. And the responsible person directly report to the unit head.
--	---

B. General Conditions:

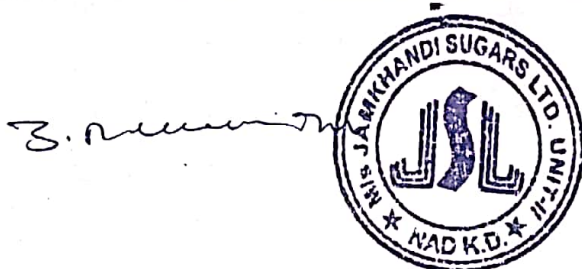
Sl. No.	Condition	Compliance
1	No water bodies (including natural drainage system) in the area shall be disturbed due to activities associated with the setting up/operation of the power plant.	There was no water body and natural drain in the site. The terrain of the industrial land is flat.
2	Monitoring surface water quality and quantity in the area shall also be regularly conducted and records maintained. The monitored data shall be submitted to the Ministry regularly. Further, monitoring points shall be located between the plant and drainage in the direction of flow of ground water and records maintained.	Regularly monitoring the surface water quality & records are maintained.
3	Wastewater generated from the plant shall be treated before discharge to comply limits prescribed by the SPCB/CPCB	Same as detailed in point No.6 of specific conditions.



4	The treated effluents conforming to the prescribed standards only shall be re-circulated and reused within the plant. Arrangements shall be made that effluents and storm water do not get mixed.	Storm water drain and waste water drain are kept separate. The condensate water from the sugar plant is reused for cooling tower makeup and other sugar plant requirement. Only the excess condensate is treated and disposed for agriculture which meets the KSPCB Discharge standards.
5	A sewage treatment plant shall be provided (as applicable) and the treated sewage shall be used for raising greenbelt/plantation. Continuous monitoring of effluent discharge shall be undertaken and it shall be ensured that when discharge enters the natural drain the temperature of effluent shall be at ambient.	Sewage effluent of about 20 KLD generated. Each toilet block in the premises is provided with independent septic tank and soak pit & the same is treated in sugar ETP
6	A well designed rain water harvesting system shall be put in place which shall comprise of rain water collection from the built up and open area in the plant premises. Action plan for implementation shall be submitted to the Regional Office of the Ministry within six months.	Complied Compliance is as in condition no. 4 of specific conditions
7	Noise levels emanating from turbines shall be so controlled such that the noise in the work zone shall be limited to 85 dB(A) from source. For people working in the high noise area, requisite personal protective equipment like earplugs/ear muffs etc. shall be provided. Workers engaged in noisy areas such as turbine area, air compressors etc shall be periodically examined to maintain audiometric record	To maintain the noise level within the prescribed limits, the noise control measures including acoustic hoods, silencers, and enclosures are provided. The ambient Noise level is within the standard prescribed under EPA Rules, 1989.



	& for treatment for any hearing loss including shifting to non noisy/less noisy areas.	
8	Regular monitoring of ambient air ground level concentration of SO ₂ , NO _x , PM _{2.5} & PM ₁₀ and Hg shall be carried out in the impact zone and records maintained. If at any stage these levels are found to exceed the prescribed limits, necessary control measures shall be provided immediately. The location of the monitoring stations and frequency of monitoring shall be decided in consultation with SPCB. Periodic reports shall be submitted to the Regional Office of this Ministry. The data shall also be put on the website of the company.	Ambient air quality analysis is being carried out regularly at 3 locations. The Ambient Air Quality Monitoring Stations are also established as per the standards and in consultation with the SPCB officers. The results are also regularly submitted to regional office of KSPCB.
9	Well designed acoustic enclosures for the DG sets and noise emitting equipments to achieve the desirable insertion loss viz. 25 dB(A) should be provided.	The DG sets are provided with required acoustic measures to reduce the noise emissions.
10	Additional soil for leveling of the sites should be generated within the site (to the extent possible) in a way that natural drainage system of the area is protected and improved.	The plot is flat terrain. & No additional soil is used for leveling the site.
11	Storage facilities for auxiliary liquid fuel such as LDO / HFO / LSHS shall be made in the plant area in consultation with Department of Explosives, Nagpur. Disaster Management Plan shall be prepared to meet any eventuality in case of an accident taking place due to storage of oil.	Noted and the auxiliary fuel such as liquid LCD/ HFO/ LSHS is not used to the boiler. HSD used for DG set is procured as and when required and stored at a secured place.



12	First Aid and sanitation arrangements shall be made for the drivers and other contract workers during construction phase.	the first aid facility is provided during the construction phase for the workers.
13	Provision shall be made for the housing of construction labour (as applicable) within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, mobile STP, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structures to be removed after the completion of the project.	All the workers were provided with necessary infrastructure like fuel for cooking, mobile toilets, safe drinking water, medical health care etc. during construction phase.
14	The project proponent shall also adequately contribute in the development of the neighboring villages. Special package with implementation schedule for providing potable drinking water supply in the nearby villages and schools shall be undertaken in a time bound manner.	Same as detailed in point No-8&9 of specific conditions.
15	While identifying CSR activities it shall be ensured that need based assessment for the nearby villages within study area shall be conducted to study economic measures with action plan which can help in enlistment of poorer sections of society. Income generating projects consistent with the traditional skills of the people shall be undertaken. Development of fodder farm, fruit bearing orchards, vocational training etc. can form a part of such programmed. Company shall provide separate budget for community development activities and income generating programmes. Vocational	Same as detailed in point No-8&9 of specific conditions.

S. Kumar



18	A copy of the clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parisad/Municipal Corporation, urban local Body and the Local NGO, if any, from whom suggestions/representations, if any, received while processing the proposal. The clearance letter shall also be put on the website of the Company by the proponent.	
19	The proponent shall upload the status of compliance of the stipulated environmental clearance conditions, including results of monitored data on their 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 SPCB. The criteria pollutant levels namely; SPM, RSPM (PM _{2.5} & PM ₁₀), SO ₂ , NO _x (ambient levels as well as stack emissions) shall be displayed at a convenient location near the main gate of the company in the public domain.	Environmental Clearance copy is uploaded in company website.
20	The environment statement for each financial year ending 31 st March in Form-V as is mandated to be submitted by the project proponent 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 the Ministry by e-mail.	The Environmental Statement for the year 2021-2022 is submitted to Regional office KSPCB vijayapur.
21	The project proponent shall submit six monthly reports on the status of the implementation of the	Six-monthly compliance report is being submitted regularly to MoEF

S. N. N. N.



	<p>stipulated environmental safeguards to the Ministry of Environment and Forests, its Regional Office, Central Pollution Control Board and State Pollution Control Board. The project proponent shall upload the status of compliance of the environment of the environmental clearance conditions on their website and update the same periodically and simultaneously send the same by e-mail to the Regional Office, Ministry of Environment and Forests.</p>	<p>& CC and others as in the condition.</p>
22	<p>Regional Office of the Ministry of Environment & Forests will monitor the implementation of the stipulated conditions. A complete set of documents including Environmental Impact Assessment Report and Environment Management Plan along with the additional information submitted from time to time shall be forwarded to the Regional Office for their use during monitoring. Project proponent will up-load the compliance status in their website and up-date the same from time to time at least six monthly basis. Criteria pollutants levels including NO_x (from stack & ambient air) shall be displayed at the main gate of the power plant.</p>	<p>Noted the condition and agreed. Compliance report with EC is uploaded to company website.</p>
23	<p>Separate funds shall 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 Ministry.</p>	<p>All the environmental protection measures recommended in the consent conditions and Environmental Clearance are implemented and being in operation successfully. An amount</p>

J. M. M. M.



		of Rs. 50 Lakhs is spent for Pollution control measure as capital investment (ESP, Bag Filters, ETP, Greeb belt, OCEMS, Analysis of AAQMS, Noise, Water, Stack Emissions etc) and the recurring cost for maintenance and environmental monitoring is Rs 10 Lakhs per annum.
24	The project authorities shall inform the Regional Office as well as the Ministry 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.	As instructed the date of the commissioning of the plant was informed to Regional Office, SPCB and Obtained the Consent for establishment and consent for operation from SPCB
25	Full cooperation shall be extended to the Scientists/Officers from the Ministry/Regional Office of the Ministry/CPCB/SPCB who would be monitoring the compliance of environmental status.	Noted the condition and full cooperation will be extended to the monitoring authority.
26	The Ministry of Environment and Forests reserves the right to revoke the clearance if conditions stipulated are not implemented to the satisfaction of the Ministry. The Ministry may also impose additional environmental conditions or modify the existing ones, if necessary.	Noted the condition and agreed.
27	The environmental clearance accorded shall be valid	Noted the condition and agreed.

B. Meenu



	for a period of 5 years to start operations by the power plant.	
28	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.	Noted the condition and agreed.

S. N. Srinivasan



29	In case of any deviation or alteration in the project proposed including coal transportation system from those submitted to this Ministry for clearance, a fresh reference should be made to the Ministry to assess the adequacy of the condition(s) imposed and to add additional environmental protection measures required, if any.	Noted the condition and agreed.
30	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 and rules there under, Hazardous Wastes (Management, Handling & Trans boundary Movement) Rules, 2008 and its amendments, the Public Liability Insurance Act, 1991 and its amendments.	Noted the condition and agreed.
31	Any appeal against this environmental clearance shall lie with the National Green Tribunal, if preferred, within 30 days as prescribed under Section 16 of the National Green Tribunal Act, 2010.	- Noted the condition and agreed.

For M/s Jamkhandi Sugars limited Unit II

S. N. M. M.

Chief Executive Officer

