

पद्मभूषण क्रांतिवीर डॉ. नागनाथअण्णा नायकवडी हुतात्मा किसन अहिर सहकारी साखर कारखाना लि;

नागनाथअण्णानगर, वाळवे, ता.वाळवा, जि.सांगली. (महाराष्ट्र राज्य) पिन :- ४१६ ३१३

Padmabhushan Krantiveer Dr. Nagnathanna Nayakawadi Hutatma Kisan Ahir Sahakari Sakhar Karkhana Ltd ;

Nagnathannanagar, Walwe, Tal. Walwa, Dist . Sangli (Maharashtra State) Pin- 416 313



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Ref. No. : PKDNNHKASSK /ADM. – MFG./2019-20/ 3242

Date :- 01/01/2020

To,
The Deputy Director General of Forests
(Central)
Ministry of Environmental and Forests Govt. of India,
Regional Office (WCZ) Ground Floor East wing,
New Secretariat Bldg, near old VCA Stadium,
Civil lines, Nagpur – 440001.

Sub: Six monthly compliance Report for the period July 2019 to December 2019.

Ref 1: Compliance of Sugar 5000 TCD & 24 MW, Environment Clearances as per EIA notification 2006. Environment Clearance Vide: F. No. J-11011/197/2013-IA-II (I) Dated 22nd February 2017

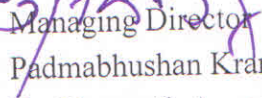
Ref 2: Compliance of 30 KLPD Distillery as per EIA notification 2006, Environment Clearance Vide: F. No. J-11011/661/2007- IA II (i) Dated 17th September 2007 & extension validity letter Dt. 12th October 2015

Dear Sir,

With reference to the above subject matter, we are submitting the environmental status Report and Compliance of environmental Clearance conditions. The Co-generation Power Plant is yet to be implemented.

Thanking You,

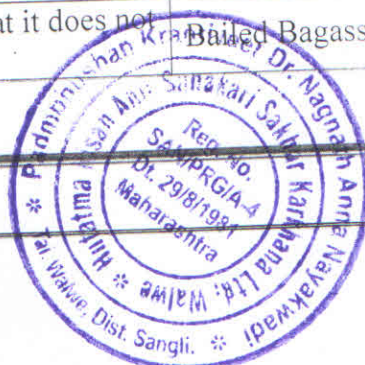
Yours faithfully,


Managing Director
Padmabhushan Krantiveer
Dr. Naganath Anna Nayakwadi
Hutatma Kisan Ahir Sahkari Skhar Karkhana Ltd.

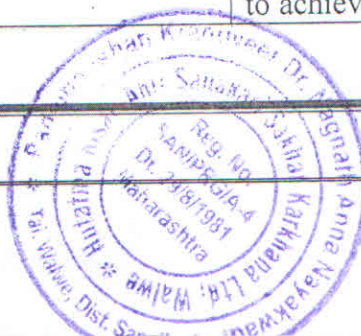


Reg.: Compliance of Sugar 5000 TCD & 24 MW Environment Clearance (July 2019 to Dec 2019)

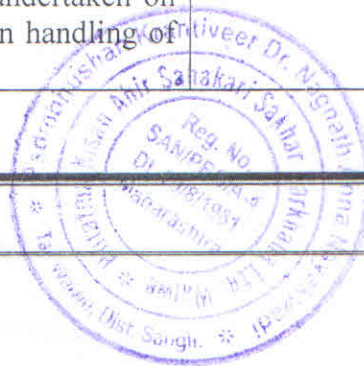
A.	<u>SPECIFIC CONDITIONS</u>	<u>COMPLIANCE</u>
i.	ESP along with stack of adequate height shall be provided to bagasse fired boiler to control particulate emission within 50mg/Nm ³ .	Co-generation power plant is yet to be established, at which time ESP & sufficient stack height shall be provided. At present for sugar unit boiler wet scrubber is provided as APC equipment.
ii.	An action taken note (Duly certified by the 'RO, MoEF & CC) non complied points of Compliance Report of Regional Office, MoEF & CC Dated 10* August, 2016 be submitted.	Enclosed.
iii.	Total fresh water requirement from Krishna River shall not exceed 3670 m3/day during season. No ground water shall be used.	The present water requirement do not exceed 3670 m3/day.
iv.	Water Consumption also to be restricted to 100 liters/ton initially and further to 50 Liters/ton cane crushed in a time bound manner as per the CPCB guidelines.	For 5000 TCD the water requirement is 450m3/day. We shall be reducing the consumption of water less than 250m3/day as per the CPCB guidelines.
v.	Effluent generation shall not exceed 1180 m3/day during season. Effluent shall be treated in ETP, and domestic waste water treated in STP only. ETP should be designed to treat the BOD up to 30 mg/lit of effluent standard even in case of land disposal.	At present effluent generation is only 340m ³ /day and domestic effluent is 72m ³ /day. Co-generation power plant is not yet implemented.
vi.	Process effluent/any waste shall not be allowed to mix with storm water. Storm water drain shall be passed through guard pond.	Separate collection systems are provided
vii.	Adequate numbers of ground water quality monitoring stations by providing piezometers around the project area and compost yard shall be set up. Sampling and trend analysis monitoring must be made on monthly a basis and report submitted to SPCB and the Ministry. The ground water quality monitoring for pH, BOD, COD, Chloride, Sulphate and total dissolved solids shall be monitored. Sampling and trend analysis monitoring must be made on monthly basis and report submitted to the Ministry's Regional Office at Nagpur and SPCB.	The industrial units were not in operation from June 2019 to November 2019 and as such sampling and monitoring data are not available from the month of June 2019 to November 2019. The sugar unit shall be started in the month of December 2019. Sampling and monitoring shall be started from December 2019 onwards.
viii.	Bagasse stored shall be done in such way that it does not get air borne or fly around due to wind.	Baled Bagasse is only stored.



ix.	Boiler ash shall be stored separately as per CPCB guidelines so that it shall not adversely affect the air quality, becoming air borne by wind or water regime during rainy season by flowing along with the storm water. Direct exposure of workers to fly ash & dust shall be avoided. Bagasse ash shall be stored separately.	Fly ash from boiler is sold to the Bricks manufacturer on day to day basis & as such storage facilities are not provided.
x.	Fire fighting system shall be as per the norms and cover all areas where alcohol is produced, handled and stored. Provision of foam system for firefighting shall be made to control fire from the alcohol storage tank. DMP shall be implemented.	Firefighting arrangements have been provided in Alcohol storage ware houses by providing the Fire Hydrant. The two fire engines are also available with industry. DMP is fully implemented.
xi.	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall be strengthened and the regular medical test records of each employee shall be maintained separately.	Occupational health surveillance is regularly carried out, first aid facilities are already provided & record is maintained separately.
xii.	Dedicated parking facility for loading and unloading of materials 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.	The dedicated parking facility is provided for loading and unloading. The traffic management is well planned as per R.T.O. regulations.
xiii.	As proposed, green belt over 33% of the total project area shall be developed within plant premises with at least 10 meter wide green belt on all sides along the periphery of the project area, in downward direction and along road sides etc. Selection of plant species shall be as per the CPCB guidelines in consultation with the DFO.	At present 28 % is completed as per CPCB guidelines & remaining 5% shall be developed within a period of 1 to 2 years.
xiv.	All the commitments made during the Public Hearing/Public Consultation meeting held on 26 th August, 2015 shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	All commitments have been fully implemented.
xv.	At least 5 % of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs and action plan with financial and physical breakup/details shall be prepared and submitted to the Ministry's Regional Office at Nagpur. Implementation of such program shall be ensured accordingly in a time bound manner.	Budgetary provision of 5 % of the cost of project is earmarked for CSR activities. The local need is being identified & appropriate budgetary allocation shall be made & shall be submitted.
xvi.	Zero Liquid Discharge shall be ensured.	The industry adopted anaerobic Digester followed by MEE & Composting for Distillery unit to achieve zero liquid discharge.



		For sugar factory the treated effluent is utilized on 40 hectares of land for irrigation.
xvii.	Continuous online (24 x7) monitoring to be installed. Data to be uploaded on company's website and provided to the respective RO of MoEF & CC, CPCB and SPCB	Complied.
B.	<u>GENERAL CONDITIONS:</u>	
i.	The project authorities must strictly adhere to the stipulations made by the Maharashtra Pollution Control Board, State Government and any other statutory authority.	Noted.
ii.	No further expansion or modification in the plant is carried out without prior approval of the Ministry of Environment and Forest and Climate Change. 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.	Noted.
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 stations is installed in the upwind and downwind direction as well as where maximum ground level concentrations are anticipated.	Complied.
iv.	The National Ambient Air Quality Emission Standards issued by the Ministry vide G.S.R. No. 826(E) dated 16 th November, 2009 shall be followed	Refer – Serial No.vii (Sugar unit - Specific conditions compliance))
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 generations. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (Day Time) and 70 dBA (Night Time).	Complied. Refer – Serial No. vii (Sugar unit - Specific conditions compliance)
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.	Being implemented.
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.

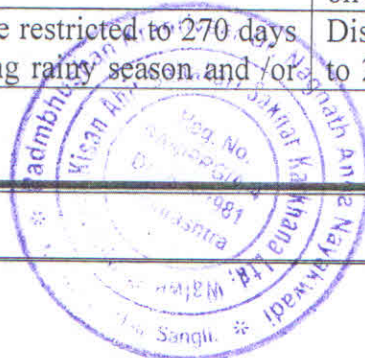


	Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the company along with the status of compliance of environmental clearance conditions and shall also be sent to the respective Regional Offices of MoEF & CC by e-mail.	
xvi.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB/Committee and may also be seen at Website of the Ministry at http://moef.nic.in . This shall be advertised within seven days from the date of issue of clearance letter, at two local news papers 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.	Complied
xvii.	The project authorities shall inform the regional office as well as Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of start of the project.	Date of Financial approval: 10-07-2017 . Date of start of development work. From August – 2017 .

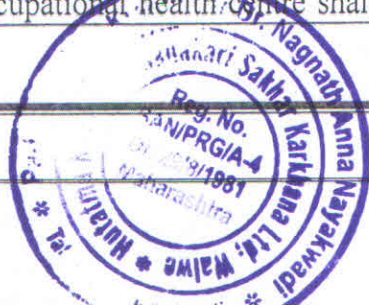


Compliance of 30 KLPD Distillery Unit (July 2019 to Dec 2019)

A.	<u>SPECIFIC CONDITIONS</u>	<u>COMPLIANCE</u>
i.	<p>The company shall adopt continuous fermentation technology and ensure that the spent wash generation shall not exceed 240m³/d. The spent wash shall be composted with press mud to achieve "zero discharge". Land and other requirements for treatment of spent wash with press mud shall be as per the CPCB guidelines. The company shall earmark an area of 4.80 ha. For bio-composting, storage of press mud and finished products. The compost yard shall be made impervious as per the CPCB guidelines.</p>	<p>The company adopted continuous fermentation technology and spentwash generation is less than 240 m³/day. The generated spentwash is composted along with Pressmud and diluted effluent treated in CPU and treated effluent is recycled/used for irrigation purpose to achieve zero discharge. The 4.80 hectares of land for bio-composting, storage of Pressmud and finished product and the compost yard are made impervious as per the CPCB guidelines.</p>
ii.	<p>The company shall install Wet Scrubber and stack height as per CPCB / SPCB standards to control the emission from the bagasse fired boiler installed to achieve the particulate emission within the prescribed standards.</p>	<p>Implemented. Steam is taken from sugar factory boiler which are provided wet scrubber as APC equipment.</p>
iii.	<p>The spent wash shall be stored in impervious pucca lagoons. The spent wash lagoons shall have proper lining with HDPE and shall be kept in proper conditions to prevent ground water pollution. As per CPCB recommendation, storage shall not exceed 30 days capacity.</p>	<p>Spent wash storage lagoon is constructed as per CPCB guidelines with 30 days storage capacity.</p>
iv.	<p>Adequate numbers of ground water quality monitoring stations by providing piezometers around the compost plant and project area shall be set up. Samplings and trend analysis monitoring must be made on monthly basis and report submitted to SPCB and Ministry.</p>	<p>Complied. The industrial units were not in operation from June 2019 to November 2019 and as such sampling and monitoring data are not available from the month of June 2019 to November 2019. The distillery unit shall be started in the month of December 2019. Sampling and monitoring shall be started from December 2019 onwards.</p>
v.	<p>The operation of distillery shall be restricted to 270 days and that it shall not operate during rainy season and for</p>	<p>Distillery operation is restricted to 270 days. Distillery shall not</p>



	whenever the ETP is not able to treat the effluent as per standards.	be operated during rainy season.
vi.	The company shall implement all the recommendations/conditions/modification/improvements suggested by public hearing panel and reports shall be submitted to this ministry within three months.	We have already submitted the compliance report to the Ministry, the copy of which is enclosed .
vii.	As reflected in the EIA/EMP, green belt of adequate width and density in 8.0 acres of plant area shall be provided to mitigate the effect of fugitive emission all around plant and compost yard as per CPCB guidelines in conditions with the local DFO.	At present, 28 % of the area is covered under green belt and remaining 5% shall be covered within a period of 1 to 2 years
B.	<u>GENERAL CONDITIONS:</u>	
i.	The industry shall achieve the treated effluent and stack emission from the unit are within the norms stipulated under EPA rules of SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment by the unit, respective units shall be shut down and shall not restarted until the control measures are rectified to achieve the desired efficiency.	Refer – Serial No. iv (Distillery unit - Specific conditions compliance)
ii.	No further expansion or modification in the plant is carried out without prior approval of the Ministry of Environment and Forest.	The industry proposes to expand its distillery capacity to 100 KLPD for which Environment Clearance is received, the copy of which is enclosed for reference.
iii.	Ambient Air Quality Stations shall be set up in the down wind direction as well as where maximum ground level concentration of SPM, SO ₂ , NO _x are anticipated in consultations with State Pollution Control Board.	Complied.
iv.	Adequate number of influent and effluent quality stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.	Complied. Refer – Serial No. iv (Distillery unit - Specific conditions compliance)
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 generations. The ambient noise levels shall conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (Day Time) and 70 dBA (Night Time).	Complied. Refer – Serial No. iv (Distillery unit - Specific conditions compliance)
vi.	Company shall adopt rain water harvesting measures to recharge the ground water.	Being implemented.
vii.	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health centre shall	Occupational health surveillance is regularly carried out, first aid facilities are



	be strengthened and the medical records of each employee shall be maintained separately.	already provided & record is maintained separately.
viii.	The project proponent shall also comply with all environmental protection measures and safeguards recommended in the EIA/EMP report.	Noted & being implemented.
ix.	A separate environmental management cell equipped with full fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions.	Provided.
x.	The project authorities shall requisite funds for both recurring and non recurring expenditure to implement the conditions stipulated by the Ministry of Environment and Forests as well as State Government along with the implementation schedule for any other purpose.	Budgetary provision of 5 % of the cost of project is earmarked for CSR activities. The local need is being identified & appropriate budgetary allocation shall be made & shall be submitted.
xi.	The implementation of the project vis-à-vis environmental action plans will be monitored by Ministry's Regional Office at Bhopal / State pollution Control Board/ Central Pollution Control Board. A six monthly compliance status report along with the data shall be submitted to the monitoring agencies.	Noted & implemented. Six monthly compliance reports along with Data shall be submitted to Regional office Nagpur, CPCB & MPCB regularly.
xii.	The Project Proponent shall inform the public that the project has been accorded environmental clearance by Ministry and copies of the clearance letter are available with the state Pollution Board/ Committee and may also be seen at Website of Ministry of Environment and Forests at http://envfor.nic.in . This shall be advertised within seven days from the date of issue of 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 copy of the same shall be forwarded to the Regional Office.	Informed & copy is enclosed.
xiii.	The Project Authorities shall inform the regional Office as well as the Ministry the date of financial closer and final approval of the Project by the concerned authorities and the date of start of land development work.	Date of Financial Closer is 07-11-2015 Date of Financial approval: 24-02-2016 Date of start of development work. June - 2016

