



Godavari Biorefineries Ltd

Distillery Division
Date: 28.11.2020

GBL/SMR/MoEF&CC/2020-21/250
To,
The Additional Principal Chief Conservator Of Forests(C)
Ministry of Environment, Forests and Climate Change
4th Floor, E & F Wing, Kendriyasadan, Koramangala
Bengaluru - 560034

Respected Sir,

Sub: Half yearly compliance report for the period April 2020 to September 2020 –Reg
Ref: Environmental Clearance

- 1) F No. J-11011/272/2009-IA II(1) dated 7th July 2009
- 2) F No. J-11011/272/2009-IA II(1) dated 1st June 2011
- 3) F No. J-11011/272/2009-IA II(1) dated 3rd Feb 2015

With reference to the above subject herewith we are submitting the half yearly compliance report for the period April 2020 to September 2020. The details are as follows

Sl No	Description	Details
1.	Name of the Industry	Godavari Biorefineries Limited (Distillery Division) Sameerwadi-587316 Tal: Mudhol, Dist : Bagalkot
2.	Person Responsible	Shri. Suhas. U. Godage General Manager
3.	Email.ID	suhas@somaiya.com
4.	Phone No/ Mobile	08350-260081 +917259009663
5.	Web site details	www.somaiya.com
6.	Environmental Clearance details	F No. J-11011/272/2009-IA II(1) dated 7 th July 2009 FNo. J-11011/272/2009-IA II(1) dated 1 st June 2011 F No. J-11011/272/2009-IA II(1) dated 3 rd Feb 2015
7.	Working days (Days)	120.5



Works : P O Sameerwadi, Tal Mudhol, Dist Bagalkot, Karnataka State - 587 316, INDIA
Tel : (91-08350) 260046 / 47 / 48 / (91) 260181 Fax : (91-08350) 260037 / 260022 Gram : "SUGAR MILLS" Sameerwadi

Regd. Office : Somaiya Bhavan, 45/47, Mahatma Gandhi Road, Fort, Mumbai - 400 001 INDIA,
Tel : (91-22) 2204 8272 / 2285 8430 Fax : (91-22) 2204 7297 www.somaiya.com

CIN No: U07129MH1950PLC008707 • GST No: 29AABCO2540C122 • e.s.t 1-07-2017



Subject : Expansion of Distillery capacity from 200 KLPD to 320 KLPD based on grains / Cassava / tapioca / Sugarcane juice/beet sugar juice/molasses as raw material and 40 KLPD ENA to 260 KLPD at Sameerwadi, Bagalkot district in Karnataka by M/s Godavari Biorefineries Limited – reg Environmental Clearance.

Pointwise Compliance to the Environment Clearance Conditions.

A. SPECIFIC CONDITIONS

Sl No	Conditions	Compliance
i	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the Environment (Protection) Act, 1986 rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency	The Industry ensures the treated effluent and stack emissions from the unit conform to the norms stipulated. In case of failure of any Pollution Control Equipment or process disturbance the respective Unit would be shut down till the control measures are rectified to achieve the desired efficiency.
ii	The company shall upload the status of compliance of the stipulated environmental clearance conditions, 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 State Pollution Control Board. The levels of SPM, RSPM, SO ₂ , NO _x (ambient levels) and emissions from the stacks shall be monitored and displayed at a convenient location near the main gate of the company and at important public places	The compliance report and the monitored values are uploaded on the Company's website. It will be updated regularly and a copy sent to Regional office of MoEF&CC, Zonal office of CPCB and State Pollution Control Board. Industry has installed display board near the main gate displaying the levels of SPM, RSPM, SO ₂ , NO _x (ambient levels) and emissions from the stacks.
iii	The particulate emissions from the 64MW cogeneration unit shall be controlled by ESP and emissions from the boilers shall be controlled by wet scrubber and emission shall be dispersed through stack. The stack height shall be as per the CPCB standards/guidelines for dispersion of SPM emissions	The emissions from the 45.56MW cogeneration Unit are controlled by ESP to maintain emissions within the stipulated norms of CPCB /State Pollution Control Board. The emissions from boilers in Sugar complex are provided with wet scrubbers. Stack height of 70 mtr AGL is provided as per the CPCB standards/guidelines for dispersion of SPM emissions.
iv	The spent wash generated (800 m ³ /d) from molasses/ sugar cane juice/ Beet sugar juice based raw material after bio methanation shall be evaporated in the multiple effect evaporator and thereafter composted with press mud. The slopes	Industry is treating the spentwash generated from the plant by dual technology. Fifty percent of spentwash is incinerated in the boiler after two stage evaporation. Remaining fifty percent of the spentwash in Biomethanated followed by



	from the grains, cassava/tapioca based process shall be concentrated in evaporator and converted into DWGS which will be used as animal feed. The condensate from the evaporator shall be recycled in the process	evaporation and biocomposted. Industry is operating on molasses or Sugarcane syrup / B-heavy molasses as the raw material for the process. There is no generation of DWGS from the process due use of molasses as raw material.
v	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 condition to prevent ground water pollution. The storage capacity of the lagoons for spent wash shall be as per CPCB guidelines and shall not exceed 30 days.	Industry has provided pucca lagoons for the storage of spentwash, Biomethanated Spentwash and concentrated spentwash. The lagoons are constructed as per the guidelines of CPCB to prevent ground water pollution. The storage capacity for Raw spent wash is 10833 m3 having retention period of 5.5 days, for Biomethanated spentwash the lagoon capacity is 22310 M3 having retention period of 11.5 days and concentrated spentwash lagoon capacity is 3468 M3 having retention period of 7.5 days. The storage capacity does not exceed 30 days.
vi	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 a monthly basis and report submitted to SPCB and this Ministry	Industry has provided piezometers at five monitoring stations around the compost yard and lagoons. The data is monitored on monthly basis and reports are submitted to SPCB and Regional Office of Ministry.
vii	Green belt in 33% of the plant area shall be provided to mitigate the impacts of fugitive emissions all around the plant and compost yard as per the CPCB guidelines in consultation with the local DFO.	Industry has already developed 33% the green belt area in consultation with local DFO in and around the premises.
viii	Company shall adopt rainwater harvesting measures to recharge the ground water.	Industry adopted rain harvesting system in the premises. Two more rain water harvesting ponds are provided in the green belt area to utilize the water for green belt development.

B. GENERAL CONDITIONS:

Sl No	Conditions	Compliance
i	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment and Forests,	Noted for compliance.
ii	Ambient Air Quality Monitoring 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	The Ambient Air Quality stations are set up in consultation with Regional Environmental Officer, KSPCB-Bagalkot to capture data in downwind direction and at place where



	anticipated in consultation with the State Pollution Control Board	Max. GLC of SPM, SO ₂ , NO _x is anticipated
iii	Adequate number of influent and effluent quality monitoring stations shall be set up in consultation with the State Pollution Control Board. Regular monitoring should be carried out for relevant parameters.	Industry has set up influent & effluent monitoring stations in consultation with the Regional Officer, Karnataka State Pollution control Board, Bagalkot and the monitoring will be carried for the relevant parameters.
iv	The industry shall ensure that the treated effluent and stack emissions from the unit are within the norms stipulated under the EPA rules or SPCB whichever is more stringent. In case of process disturbances/failure of pollution control equipment adopted by the unit, the respective unit shall be shut down and shall not be restarted until the control measures are rectified to achieve the desired efficiency	Noted for 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 generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz, 75 dBA (day time) and 70 dBA (night time).	Industry ensures the noise levels are maintained within the limits specified under EPA Rules 1985 by providing suitable control equipment and regularly monitored and reports will be submitted to State Pollution control Board.
vi	Occupational health surveillance programme shall be undertaken as regular exercise for all the employees. The first aid facilities in the occupational health center shall be strengthened and the medical records of each employee shall be maintained separately.	Industry is having full pledged occupational health center with First Aid facilities. The health surveillance of all the employees is regularly carried out and the data is maintained.
vii	A separate environmental management cell equipped with full-fledged laboratory facilities must be set up to carry out the environmental management and monitoring functions	The Industry has set up Environmental Management Cell (EMC) with full-pledged laboratory facilities for environmental management and monitoring. The EMC reports to the Director (Works).
viii	The project authorities shall provide requisite funds for both recurring and non-recurring expenditure 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 provided shall not be diverted for any other purpose	Industry has provided requisite funds for capital and operating expenditures to comply with the conditions stipulated by the MoEF&CC and KSPCB. 1. Capital cost of ETP & APC : Rs. 7935 Lakhs Industry has replaced the damaged electrodes of field No-4 of ESP. Total cost incurred : Rs 28.65 Lakhs 2. Recurring cost : Rs.5.24 Lakhs
	A copy of the clearance letter shall be	



ix	sent by the 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. The clearance letter shall also be put on the website of the company by the proponent	Copy of the Environmental Clearance was submitted to the local Gram Panchayat. It is also displayed on Industry's official website.
x	The Environmental Statement for each financial year ending 31 st 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 by email.	The Environmental Statement for the financial year ending 31 st March 2020 along with compliance to Environmental Clearance conditions is submitted to KSPCB, Regional office of MoEF&CC and is also displayed on Industry's official website.
xi	The implementation of the project vis-a-vis environmental action plans will be monitored by Ministry's Regional Office at Bangalore/State Pollution Control Board/Central Pollution Control Board.	Noted for compliance
xii	The project proponent shall also submit six monthly reports on the status of compliance of the stipulated E C 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 the State Pollution Control Board	Industry is submitting six monthly reports on the status of the compliance to EC conditions to the Regional office of MoEF&CC, zonal office of CPCB and the State Pollution Control Board.
xiii	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 State Pollution Control Board/ Committee and may also be seen at Website of the Ministry of Environment and Forests at http://envfor.nic.in . 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 Regional office	Industry circulated the Environmental Clearance in two local newspapers.



xiv	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 land development work.	Noted for compliance
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Date: 28.11.2020
Place: Sameerwadi

For Godavari Biorefineries Limited
(Distillery Division)


S.U. Godage
General Manager



❖ ESP – Electrical meter reading:-

Month & Year	Working days	ESP Electrical meter reading			
		Initial	Final	Total (MW)	In KWH units
April.2020	26.0	969.92	1013.55	43.63	43630
May.2020	29.6	1013.55	1065.85	52.30	52300
June.2020	24.9	1065.85	1102.52	36.67	36670
July.2020	28.5	1102.52	1147.90	45.38	45380
August.2020	11.5	1147.90	1166.39	18.49	18490
September.2020	0.0	1166.39	1166.39	0	0
	120.5				196470
Average unit consumption = $196470 / 120.5 = 1630$ KWH units per day					

The Environmental monitoring is carried out by the external agency Dr. Subbarao's Environment Center, Sangli, Maharashtra State. During the period of April 2020 to September 2020 the environmental monitoring was not carried out due to lock down and Covid-19 guidelines initiated by the central government.

The detailed address of the Environmental monitoring agency,

Dr.SUBBARAO'S ENVIRONMENT CENTER
"Arundhati" Opp. Sahayognagar, M S E B Road,
Vishrambag, Sangli- 416415
Landline: 0233 - 2301857
Mobile: +91-9372109522

