

RADIANT MANUFACTURERS PVT. LTD.

No./RMPL/24-25/CR-16

Date:-

06/11/2024

To,

The Ministry of Environmental, Forest & Climate Change
Integrated Regional office, Guwahati
4th floor, Housefed building GS Road, Rukmini gaon
Guwahati -781022

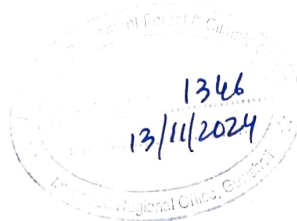
Subject: - Compliance Report condition wise status 45 KLPD Grain Based Distillery.

Name of Project :- M/s Radiant Manufacturers (P) Limited.
Vill. - Khatkhathi, Dist.- karbi-long
Assam.782480

Period of Compliance Report: - 01 April 2024 to 30 September 2024.

Compliance Report :-

S. N.	Conditions	Compliance Status
• Specific Conditions		
1	Distillery unit shall be grain based only and no molasses based distillery unit shall be installed.	Only a grain based Distillery unit is installed.
2	In case there is any shortage of the grain, the distillery shall be operated proportionally under capacity.	In case there is any shortage of grain, the Distillery will be operated proportionally under capacity.



3	<p>Efforts shall be made to reduced RPSM levels in the ambient air and a time bond action plan shall be submitted. Bag filter along with stack of adequate height shall be provided to the boiler (15 TPH) to control particulate emission with in permissible limit as per GPCB standards or prescribed under E (P) Act, 1986 whichever is more stringent. At no time , the emissions level shall go beyond the prescribed standard .In the event of failure of any pollution control system adopted by the unit , the respective unit shall not be restated unit the control measures are rectified to achieve the desired efficiency.</p>	<p>We have attached a Bag filter of 15 TPH boilers & adequate height of the stack 35 meters. Has been installed. There are 320 nos. of bags in the Bag filter system. The ID fan capacity is 710 m³/minute and fitted to a 120 HP motor. The stack emission is monitored, continuously. We have established an on line monitoring system to measured particulate Matter. it cane all so be visualized by CPCB server, and the parameter are under norm of CPCB.As directed by to CPCB, we have installed a separate controlled room for continuous monitoring. The time bond action plan are as follow.</p> <ol style="list-style-type: none"> 1. The Bag filter which we installed to the chamber is been cleaned or change as per requirement. The details is attached . 2. We have continue Monitoring of Air Quality data like PM10and PM 2.5 in the project Premises monitoring report enclosed. (Annexure. 1)
4	<p>The National Ambient Air Quality Emission Standards issue by the Ministry vide G.S.R. No. 826 (E) dated 16 November,2009 shall be followed.</p>	<p>We are strictly following the National Ambient Air Quality Emission standard issue by the Ministry. The Ambient Air Quality is also being checked, frequently by PCB Assam & private parties as well. (Annexure- 2)</p>
5	<p>In plant control measures for checking fugitive emissions from all the vulnerable sources shall be provide, Fugitive emissions shall be controlled by providing closed storage , closed handling & conveyance of chemical/materials , multi cyclone separator and water sprinkling system. Fugitive emission in the work zone environment, product, raw material storage area etc. Shall be regularly monitored and records shall be maintained. The emissions shall</p>	<p>We are providing the following measures to control fugitive Emissions.</p> <ol style="list-style-type: none"> a. We have Closed storage as shown. b. We have a suitable transport system to transport our chemical and materials. c. A Multi Cyclone separator

	conform to the limits imposed by Assam Pollution Control Board.	<p>is also present to resist fugitive emission.</p> <p>d. We have use a Water spray System to avoid fugitive emission, near Coal yard and Multi Cyclone separator.</p> <p>e. To avoid fugitive emission company has well defined infrastructure and paved road.</p> <p>f. The storage area of raw coal and rice husk will be separate. Now no dumping of rice husk in the coal yard. So no any chance of spontaneous firing. We have continue monitoring of fugitive emission near coal yard. Photo & monitoring reports enclosed. (Annex. -3)</p>
6	The gaseous emission from DG set shall be dispersed through adequate stack height as per CPCB guidelines. Acoustic enclosure shall be provided to the DG set to mitigate the noise pollution.	<p>(a).We rarely used 2 Nos of DG Set with Acoustic enclosure and a stack height of 10.0 Meter to Control Noise pollution .The capacity of our DG set are (725 KVA & 250 KVA) respectively.</p> <p>(b).We have quarterly monitored the gaseous emission of Both DG sets. Monitoring report enclosed. (Annexure- 4)</p>
7	The company shall uploaded the status of compliance of the stipulated environmental clearance conditions, including result of monitored data on its websites. And shall up date the same periodically . It shall simultaneously be sent to the Regional office of MoEF , the respective Zonal office of CPCB and the Assam Pollution Control Board. The levels of PM10, PM2.5, SO2, NOx and HC (Methane and Non - methane) in ambient air shall be monitored and displayed at a convenient location near the main gate of the company and at important public places.	<p>With reference to this query Website is available http://rmpldd.com . We have send the complain report to the Integrated Regional Office of MoEF Guwahati, respective Zonal office of CPCB and the Assam Pollution Control Board.</p> <p>As we have already informed you about our Online Monitoring system, A signboard has been installed in place of digital display system. AAQ monitoring</p>

		data has been show on the sine board (Manual board) at convenient location near the main gate of the industry. Photo of sign board is enclosed. (Annexure- 5)
8	The Total fresh water requirement from water shall not exceed 560m ³ /day. Permission for the drawl of 560m ³ /day ground water from the Central Ground Water Authority/ Central Ground Water Board (CGWA/ CGWB)shall be obtained.	The industry fulfill Ground Water requirement from Dhanshri River as per sanctioned order issued from KAAC secretariat vied letter no. KAAC /Irri/ Misc-4/2007-08 dt: 2/12/2011. We have permitted to use water from Dhanshri River as shown. The total fresh water requirement is 560 M3/day as per under EC norms . fresh water consumption given with digital water flow meter reading details enclosed . (Annexure- 6)
9	Waste Water Generation shall not exceed 1314m ³ /day. Spent wash will be feed to the centrifugal decanter for separation of suspended solids followed by evaporation in the multiple - effect evaporator (MEE) entirely and its process condensate shall be used as a cattle feed . Waste water (990m ³ /day) shall be recycled back to the process for utilization in liquefaction/fermentation/ cooling tower and for gardening. The treated effluent quality shall comply with CPCB/State Pollution Control Board norms. No effluent shall be discharged outside the premises and Zero discharge shall be adopted.	Maximum Spent wash (7 - 8% solids) generated is 384 m3/ day, which is feed to the decanter. Here The DWGS with (25%solids) is feed to the dryer to obtain DDGS, and the thin slope (2 -3% solids) is send to perform Multi effect evaporation, which result in the form of syrup (35% solids) and C. water .At last Syrup is recycled to dryer and the process condensate(about 200m ³ /day) is send to ETP for further treatment. , and (about 30m ³ /day) is reused in the liquefaction, treated Water recycled in Cooling towers & used for gardening. Analysis report of ETP Inlet and out let is attached. (Annexure -7)

10	Storage capacity of spent wash lagoon shall not exceed 5 days and lagoon shall be provided with impervious HDPE lining as per CPCB guidelines. Ground water monitoring of wells /peizo meters shall be done accordance with CPCB guidelines.	<p>The industry does not have a lagoon. The waste water generated is very minimum, from evaporation section. The minimum amount of waste water is treated in the ETP and reused in the cooling towers & gardening. Condenset water storage tank holding capacity is 20 hours only and volume 90m3/day. The C.W tank is made of RCC.</p> <p>The ground water analysis report of company Bore well nearby main gate is enclosed. We have a Slurry tank near the ETP. And dry the slurry in the SDB and its use as manure. Photo enclosed (Annexure-8)</p>
11	Fly ash and bottom ash shall be utilized as per fly ash notification, 1999 and subsequent amendments issued time to time . DDGS shall be used as cattle feed.	<p>Total fly ash generated is about 5.0 tons/day. The fly Ash is used for making bricks and paves. Pictures enclosed . (Annexure - 9)</p> <p>DDGS production 24 MT per day , which is being sold to cattle feed industries.</p>
12	Fire fighting system shall be as per the OISD 117 norms and cover all areas where alcohol is produced , handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.	<p>The industry has already installed fire fighting system, and fire extinguishers have been placed at various section. Copy of NOC is enclosed. (Annexure. - 10)</p>
13	Green belt shall be developed in 33% of the total land . Selection of plant species shall be as per the CPCB guidelines.	<p>The entire surrounding plant area is well developed by green belt consisting of different trees (35 Species) of trees are planted in the premises of the company. The total G. Belt area is about 5.19 acres. The 300 nos sandal plants are planted in the year (2023-24). DFO approved copy of green belt, list of plantation are</p>

		attached. (Annexure - 11)
14	All the commitment made during the public Hearing / Public consultation meeting held on 17 February, 2010 should be satisfactory implemented and adequate budget provision shall be made accordingly.	All commitments made during the public hearings has been done by company. 1. We have all ready achieved 78 % Employment in 2023 . 2. The approved action plan is Decreased the local employee near about 1.3 % in this year. Due to change the job by the employee this is for your reference. Copy attached. (Annexure-12)
15	Provisions shall be made for the housing for the construction labor within the site with all necessary infrastructure and facilities such as fuel for cooking , mobile sewage treatment plant , safe drinking water, medical health care , creche etc. The housing may be in the form of temporary structure to be removed after the completion of the project . All the construction wastes shall be managed so that there is no impact on the surrounding environment.	Housing Construction part is over so no impact on the surrounding environment.
B	GENERAL CONDITIONS	
1	The project authorities shall strictly adhere to the stipulation made by the Assam Pollution Control Board.	We are strictly following standards stipulated by State pollution control Board of Assam.
2	The location of ambient air quality monitoring station shall be decided in consultation with the Assam Pollution Control Board (APCB) and it shall be ensured that at least one station is installed in the upwind and downwind direction as well as where maximum ground level concentration are anticipated.	the location of AAQ monitoring station is installed as per PCBA guidelines. One monitoring station is installed upwind & second made of downwind direction. It is being done frequently by the Assam State Pollution Control Board, and a third party (ABNS scientific services, julkbari Guwahati.) We have installed the sign Board(Manual board) near the industry main gate. For AAQ pollutant level monitoring data continue show on the signboard in the public domain. (Annexure- 13)

3	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, silencer, enclosures etc. On all sources of noise prescribed under environment (Protection) Act. 1986 Rules, 1989 viz. 75dBA (day time) and 70 dBA (night time).	The overall noise level is being monitored by providing noise control measures including acoustic hoods, silencer, enclosures etc. The noise pollution is monitored by third party, Report is enclosed. (Annexure - 14)
4	The company shall harvest rain water from the roof 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.	Four numbers of rain water harvester is already installed in the company premises to maintain the ground water level in various sections. It is cleaning work done We also have three numbers of ponds in the company premises which helps to conserve fresh water for the process activities of project. The capacity of ponds are approximately 950m ³ , 700m ³ and 930m ³ . Approved copies of rain water harvester and drainage system is enclosed (Annexure - 15)
5	The company shall obtained Authorization for collection, storage and disposal of hazardous waste under the Hazardous waste (Management, Handling and trans - boundary Movement) Rule, 2008 and its amendment time to time and prior permission from SPCB shall be obtained for disposal of solid/ hazardous waste including boiler ash.	*We have H.W. Authorization Letter No.WB/GOL/T-239/12-13/240, date of issue 9//10/2023. Photo copy is attached. * The Hazardous Waste annual report for the period of 1 April 2023 to 31 March 2024 is attached. (Annex .16)
6	During transfer of material, spillages shall be avoided and gulland drain be constructed to avoid mixing of accidental spillages with domestic waste water and storm water drains.	During transfer of material we have taken Necessary precaution to mixed avoid accidental spillages with domestic waste water and storm water drains.
7	Usage of personnel protection Equipments (PPEs)	We are providing personnel

	by all employees/ worker shall be ensured	protection Equipment for all Employee/worker. Supporting documents enclosed (Annex. 17)
8	Training shall be imparted to all employees on safety and health aspects of chemical handling . Pre - employment and routine periodical medical examination for all employee shall be undertaken on regular basis. Training to all employees on handling of chemical shall be imparted.	The industry organizes medical health checkup of all employees on an half yearly basis and also provides safety equipment & training for handling of chemicals. Supporting documents enclosed. (Annexure-18)
9	The company shall also comply with all the environmental protection measures and safeguards proposed in the projects report submitted to the ministry . All the recommendation made in the EIA/EMP in respect of environmental management ,risk mitigation ,measured and public hearing relating to the project shall be implemented.	1.The public hearing was held on 17.02.2010 at 11 AM at Khatkhathi Hindi LP School. The village officials were asking about local employment opportunities. At present about 78% of the staff are locally employed. 2.The approved action plan is decreased the local employee near about 1.3% in this year.due to change job by the employee This is for your reference.Photo copy is attached. (Annexure 19)
10	The company shall undertake CSR activities and all relevant measures for improving the socioeconomic condition of the surrounding area.	* A small bridge construction work is done , near the way of Dhansri river Khatkhathi by RMPLDD. has been undertaking CSR activities and all relevant measure for improving the socioeconomic area . photo enclosed The CA approved plan of CSR activities is attached (Annexure- 20)
11	The company shall undertake Eco- development measures including community welfare measures in the project area for the overall improvement of the environment.	* The action plan for Eco development measures including community welfare service are as follows. * We are continue monitoring the pollutant levels so that it is within the limit and do not cause any

		<p>harm to environment. See the annex.-2</p> <p>*We are consuming the water as per the limit in order to avoid any adverse impact on nature. See annexure no-6</p> <p>*We are providing the employment to many people form the near by areas with an intention of community welfare and see the annexure -19</p> <p>*We are also providing free food service on various occasions with a motive of serving the community. See annexure no -20</p> <p>* We have 300 nos.of plants are planted in this year 2023-2024 for the development of ECO system in the campus . by this programs control the noisepollution,fugitiveemission,naturalenvironment,resourceshas been green & cleaned. See the annexure no-11 (Annexure - 21)</p>
12	A separate Environmental Management cell equipped with full fledged laboratory facilities shall be set up to carry out the environmental Management and monitoring functions.	<p>1.The company has a well qualified ETP staff (ETP In charge,Chemist,Operators) and well equipped laboratory to carry out environmental management & monitoring functions. Like pH, COD, BOD, TSS, TDS,TVA & Alkalinity etc. Its analysed in every shift. The list of environmental management cell & ETP Lab analysis report are enclosed.</p> <p>2. We are maintaining separate ledger, in the year wise and activity wise expenditure for the environmental protection measures. The approved action plan has been seen when required . (Annexure 22)</p>
13	As proposed , the company shall earmark Rs. 750.00 Lakes and Rs. 1.63 lakhs towards capital cost and	We are exclusively providing the funds for implementing

	<p>recurring cost per annum 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 earmarked for environmental management / pollution control measured shall not be diverted for any other purpose.</p>	<p>the necessary environment conditions stipulated by MOEF List of EMP equipment's budget and expenditure are attached . (a). We have taking the adequate action for raw material coal and rice husk stockyard will be separated for the environmental protection measures. (b).The Fugitive emissions monitoring report near the coal yard is attached. (Annexure-23)</p>
14	<p>A copy of the Clearance letter shall be sent by the project proponent to concerned Panchayat , Zila parishad/ Municipal corporation, Urban local Body and the local NGO if any, from who suggestions / representations, if any, where received while processing the proposal.</p>	<p>A copy of clearance letter is already sent to KAAC Karbi Anglong Autonomous Council, Local Sarkari Gaon Bura and Local NGO are attached . (Annexure-24)</p>
15	<p>The project proponent shall also submit six monthly reports on the status of compliance of the Environment Clearance condition 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 Assam pollution Control Board. A copy of Environmental Clearance and six monthly compliance status report shall be posted on the web site of the company.</p>	<p>We have submitted our six monthly compliance reports in the respective Integrated Regional office of MOEF Guwahati, Zonal office CPCB and APCB. and A copy of Environmental clearance letter attached with Six monthly compliance report and its also uploaded in the company's website.</p>
16	<p>The environmental statement for each financial year ending 31 March in form - V as is mandated shall be submitted to Assam Pollution Control Board as prescribed under the Environment (protection) Ruls,1986, as amended subsequently shall also be put on the website of the company along with the status of compliance of environmental clearance and shall also be sent to the Shillong Regional office of MOEF by E- mail.</p>	<p>The environmental statement for the current financial year 01 April 2024 to 30 Sept.2024 in the form-v is enclosed, also be send Regional office of MoEF and uploaded on the company website. (Annexure -25)</p>
17	<p>The project proponent shall in form the project has been accorded environmental clearance letter are available with the SPCB / Committee and may also be seen at website of the Ministry At</p>	<p>The company Environmental Clearance letter is available on the website of the Ministry .</p>

	http://envfor.nic.in . This shall be advertised with in seven days from the date of issue of the clearance letter , at least in the vernacular language of the locality concerned and a copy the same shall be forwarded to the concerned Regional Office of the Ministry.	
18	<p>The Projects authorities shall inform the Regional office as well as the Ministry , the date of financial closure and final of the projects by the concerned authorities and the of start of the projects.</p>	<ul style="list-style-type: none"> - Financial closure is 31 March,2011 - Financial approval from bank is received on 04 March,2011 - NOC from from SPCB received on 31/03/2010 -Date of start of the project is 8/11/2012.

We hope your good self will find the same in order.

Thanking You with best regards,

For : Radiant Manufacturers Pvt. Ltd. (Distillery Division)

Authorized Signatory
(Unit Head

