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SPP BOKAJAN C F S.O <782490>
Counter No:1,28/02/2023,12:30
To:THE R.DIRECTOR,SHILLONG
PIN:793014, Nongthymmai S.O
From:RADIANT MAN,KHATKHATI
Wt:930gms
Amt:76.70(Cash)Tax:11.70
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To:

S PVT. LTD.

Lt.No./RMPL/22-23/CR-13

Date :- 28-02-2023

To,
The Regional Director

C.P.C.B. NER

Arden Lympngard,

Shillong

Pin- 793014

Meghalaya.

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

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

Period of Compliance Report :- 01 Aug. 2022 to 31 Jan. 2023.

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.

RADIANT MANUFACTURERS PVT. LTD.

Lt. No./RMPL/22-23/CR-13

Date: 28-02-2023

To,

The Ministry of Environment, 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 . - Khatkhati ,Dist.- Karbi Anglong
Assam. 782480

Period of Compliance Report :- 01 Aug. 2022 to 31 Jan. 2023.



Compliance Report :-

S. N.	Conditions	Compliance Status
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RADIANT MANUFACTURERS PVT. LTD.

Lt. No./RMPL/22-23/CR-13

Date:- 28-02-2023

To,

The Member Secretary

P.C.B. Assam, Bamunimaiden,

Guwahati - 781021.Kamrup (M)'

Assam.

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 Aug.2022 to 31 Jan. 2023.

RECEIVED

Pollution Control Board, Assam
Bamunimaidam, Guwahati-21

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 boiler & 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 quarterly& as per requirement. 2. The Bag filter has displaced by a new one, as on dated 30/11/2022 3We 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</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.

	<p>and records shall be maintained . The emissions shall conform to the limits imposed by Assam Pollution Control Board.</p>	<p>c. A Multi Cyclone separator 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	<p>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>	<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	<p>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>	<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 inform you about our Online Monitoring system , A signboard has been installed in place of digital display</p>

		<p>system. AAQ monitoring 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)</p>
8	<p>The Total fresh water requirement from water shall not exceed 560m³/day. Permission for the drawl of 560m³/day ground water from the Central Ground Water Authority/ Central Ground Water Board (CGWA/ CGWB)shall be obtained.</p>	<p>The industry ful fill Ground Water requirement from Dhan shri 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 Dhan shri 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)</p>
9	<p>Waste Water Generation shall not exceed 1314m³/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 (990m³/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 out side the premises and Zero discharge shall be adopted.</p>	<p>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 200m³/day) is send to ETP for further treatment. , and (about 30m³/day) is reused in the liquefaction, treated water recycled in Cooling towers & used for gardening. Analysis report of ETP Inlet and out let are attached.(Annexure -7)</p>

10	<p>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>	<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. Waste water storage tank hold 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 near by main gate is enclosed .</p> <p>We have a Slurry tank near the ETP. and dry the slurry in the SDB and its use as a manure.Photo enclosed (Annexure-8)</p>
11	<p>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>	<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 per day is about 24 tons, which is being sold to cattle feed industries.</p>
12	<p>Fire fighting system shall be as per the OISD 117 norms and cover all areas where school is produced , handled and stored. Provision of foam system for fire fighting shall be made to control fire from the alcohol storage tank.</p>	<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	<p>Green belt shall be developed in 33% of the total land . Selection of plant species shall be as per the CPCB guidelines.</p>	<p>The entire surrounding plant area is well developed by green belt consisting of different trees (33 Species) of trees are planted in the premises of the company. This total G. Belt area is about 5.19 acres. The 345 nos plants are planted in the year (2022-23). DFO approved copy of green belt, list of plantation are attached.(Annexure - 11)</p>

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 76 % Employment . 2. The approved action plan is increased the local employee near about 80% in the next two years. 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	No further expansion or modification in the plant shall be carried out without prior approval of the Ministry of Environment and forests . In case of deviation or alternation 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 environment protection measures required , if any.	Company did not required any kind of expansion or modification in the plant, yet. If needed, we shall take permission from MoEF.
3	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 APCB 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

	<p>in plant machinery, the job used melting furnaces and land filling & waste testing fill in plastic bags and stored in H.W. house - but no any electronic H.W. generated in this regard. (Annex-13)</p>	<p>monitoring data continue show on the sign board in the public domain and see Annex.-5 (Annexure- 13)</p>
4	<p>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).</p>	<p>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)</p>
5	<p>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.</p>	<p>Four numbers of rain water harvester is already installed in the company premises to maintain the ground water level in various sections. 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 950m³, 700m³ and 930m³. Approved copies of rain water harvester and drainage system is enclosed (Annexure - 15)</p>
6.	<p>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.</p>	<p>The HW. and None HW waste annual report is attached for the period of 1 April 2021 to 31 March 2022. The solid waste generated like DDGS- 2909.64 MT, ETP Sludge- 0.019928 MT, liquid waste C.W. 30928 KL for the period of 01 April 2022 to 30 Sept. 2022. All ready submitted in your respected office.in the form -v. The matter has been considered and complied . the spent oil used as lubricant</p>

		in plant machinery, fly Ash used making bricks and land filling & waste resins fill in plastic bags and stored in H.W. house . but no any electronic H.W. generated in this period. (Annex.16)
7.	During transfer of material, spillages shall be avoided and garland drain be constructed to avoid mixing of accidental spillages with domestic waste water and storm water drains.	Necessary precaution has been taken to avoid spillages & accidental spillages.
8.	Usage of personnel protection Equipment s (PPEs) by all employees/ worker shall be ensured	We are providing personnel protection Equipment for all Employee/worker. Supporting documents enclosed (Annex. 17)
9.	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)
10	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 76% of the staff are locally employed. 2. The approved action plan is increased the local employee near about 80% in the next two year. This for your reference.Photo copy attached. (Annexure 19)
11	The company shall undertake CSR activities and all relevant measures for improving the socioeconomic	The company held Blood Donet camp as on dated

	condition of the surrounding area.	<p>23/12/2022 and cricket tournament held as on dated 25/01/2023 to 26/01/2023. has been undertaking CSR activities and all relevant measures for improving the socioeconomic condition of the surrounding area. Photo enclosed.</p> <p>The details of approved CSR action plan was uploaded in the company website and the same is enclosed for your reference.(Annexure- 20)</p>
12	The company shall undertake Eco- development measures including community welfare measures in the project area for the overall improvement of the environment.	<p>The company organized Eco-development community welfare program to facilitate drinking water (Hand pump installed near shiv Mandir shanti Gaon) for the villager at different locations. Health checkup camp are frequently organized.</p> <p>The action plan for ECO development measures including community welfare service are as follows.</p> <ul style="list-style-type: none"> - We are continue monitoring the pollutant levels so that it is within the limit and do not cause any harm to environment. See the annex.-2 -We are consuming the water as per the limit in order to avoid any adverse impact on nature.See annexure no-6 -We are providing the employment to many people form the near by areas with an intention of community welfare and see the annexure -19 - We are also providing free food service on various occasions with a motive of serving the community. See annexure no -20

	<p>30/12/2023 and 31/12/2023 25/01/2023 to 26/01/2023 has been undertaken CSR activities and all relevant measures for improving the socioeconomic condition of the surrounding area. Photo enclosed. The details of approved CSR action plan was uploaded in the company website and the</p>	<p>- We have 345 nos. of plants are planted in this year for the development of ECO system in the campus. by this programs control the noise pollution, fugitive emission, natural environment, resources has been green & cleaned. See the annexure no-11 (Annexure - 21)</p>
13	<p>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>	<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. -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>
14	<p>As proposed, the company shall earmark Rs. 750.00 Lakhs and Rs. 1.63 lakhs towards capital cost and 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>We are exclusively providing the funds for implementing 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>

15	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.	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)
16	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.	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.
17	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.	The environmental statement for the current financial year 01 April 2022 to 30 Sept.2022 in the form-v is enclosed, also be send Regional office of MoEF and uploaded on the company website. (Annexure -25)
18	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 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.	The company Environmental Clearance letter is available on the website of the Ministry .
19	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.	<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)





R

ES:45053396IN IVR:6983945053396
SP BOKAJAN S.O <782480>
Counter No:4,18/04/2023,10:45
To:TO HTE REGION,MEGHALAYA
PIN:793014, Nongthymmai S.O
From:RADIANT MAN,KHATKHATI
Wt:50gms
Amt:41.30(Cash)Tax:6.30
<Track on www.indiapost.gov.in>
<Dial 18002666868> <Wear Masks, Stay Safe>

RADIAN MAN PVT. LTD.

Lt.No./RMPL/22-23/EST- 02

Date :- 18-04-2023

To,

The Regional Director

C.P.C.B. NER

Arden Lympngard,

Shillong

Pin- 793014

Meghalaya.

Subject :- Environmental Statement for the period of 01 Oct 2022 to 31 March. 2023 .

Respected Sir,

We would like to inform you that we have submitted the Environmental statement for the period of 01 Oct. 2022 to 31 March 2023. This is for your kind information please.

Thanking you

For : Radiant Manufacturer Pvt. Ltd.



Authorized Signatory

ENVIRONMENTAL STATEMENTS

FORM-V

(See Rule 14)

The Ministry of Environment & Forest vied its notification dated 13 March, 1992 directed all industries which need to have consent under Water (Prevention & Control of Pollution) 1974 and Air (Prevention & Control of Pollution) 1981 to file the environmental statement every year. This is to be filed for the period ending March by September every year. The format for the same is as follows:

Environmental Statement for the Current financial year (01 Oct - 2022 to 31 March-2023)

PART-A

- Name and address of the owner/occupier of the industry operation or process. **M/s Radiant Manufacture private Ltd. Distillery Division** ,Village- Khatkhati, Distt.- Karbi anglong Assam.
- Industry category Primary - (STC Code) Secondary- (SIC Code).
- Production capacity - :- 45 KLPD
- Year of establishment. :- 31/03/2010

PART-B Water and Raw Material Consumption

Permitted water abstraction from River :- 560 M³/Day

Process(Liquefaction, Fermentation, Products) :- 200 M³/Day

Cooling& Boiler :- 330 M³/Day

Domestic :- 30 M³/Day

Water consumption m3/day :- 560 M³/Day

*(Above average consumption is including production and non production days.)

Name of Product	Process Water Consumption Per Unit of Product Output. (Liquefaction, Fermentation,)		
	During the Previous Financial Year (1 April 2021 to 31 March 2022)	During the current financial Year (01 Oct.- 2022 to 31 March-2023.)	
1	2	3	
ENA	3.746	1.824	
Raw Material Consumption			
Name of Raw Material	Name of Products	Consumption of Raw Material per unit of Output. (Kg/BL. Of Alcohol)	
Grain	ENA	During the previous Financial year (01April.2021 to 31 March.-2022.	During the current financial year (01Oct.- 22 to 31 March.-2023).
Rice, Maize		2.145	1.966

Polluting Industry may use codes if disclosing details of raw material would violate contractual obligations; otherwise all industries have to name the raw Material used.

PART-C

Discharged to environment/unit of output Specified if the consent issued.

Pollutants	Quantity of Pollutants Discharged (Mass/Day)	Concentration of Pollutants in Discharges (Mass/Volume)		Prevent age of Variation from Prescribed Standards with
a	Water	170 M ³ /Day Max. at full capacity	pH	6.53
			Chemical Oxygen Demand Mg/l	22.0
			Bio Chemical Oxygen Demand (3 Days at 27° C)Mg/l	4.2
			Oil and Grease, Mg/l (Less Than)	2.5
			Total Suspended Solids, Mg/l	5.0
b	Air	_____	Particulate matter Mg/Nm ³	79.0
				100

PART-D**HAZARDOUS WASTES**

(as specified under Hazardous Wastes / Management and handling Rules, 1989)

Hazardous Waste	Total Quantity (Kg.)	
	During the previous Financial Year (01April-21-31 March-2022)	During the current financial year(01Oct-22-31 March-2023)
• Form Process	Nil	Nil
• From Pollution Control Facilities	Nil	Nil

PART-E**Solid Waste (Non Hazardous Waste)**

		Total Quantity	
		During The previous financial Year (1April-2021-31 March.2022) (No.Of Days -314)	During the Current Financial Year (01 Oct-2022-31 March.2023) (No. Of Days - 176)
(a)	From Process(DDGS)	6418.05 MT	3359.78
(b)	From Pollution Control Facility	11.8092 MT	0.015271
(c)	(1) Quantity Recycled or re utilized within the unit.	_____	_____
	(2) Sold	Total DDGS	Total DDGS
	(3) Disposed	Total Sludge use as manure in the gardening	Total Sludge use as manure in the gardening.

PART-F

Please specify the characterization (in terms of composition and quantum) of hazardous as well as solid wastes and indicate disposal practice adopted for both the categories of wastes.

- Solid Wastes:**

- (a) DDGS :-**

High protein food used as cattle feed additive. Approx production is 3359.78 MT During the current financial year (01 Oct.- 2022 to 31 March 2023) and total quantity has been sold.

(b) ETP Sludge: 0.015271 MT (None Hazardous Waste)Produced in primary and secondary treatment process, used as manure in the gardening.

PART-G

In respect of the pollution abatement measures taken up on conservation of natural Resources and on the cost of production.

- Rs 7.5 crore were invested to installed Environmental Protection Measures .
- In Present operating conditions, Impact on cost of production is **Rs. 63.0 /liter** of product output.

PART-H

Additional measures/investment proposal for environment protection including Abatement of pollution prevention of pollution.

- Final treated effluent has been used recycled in cooling tower, industry has zero liquid discharge.
- We are always trying to maintain our plant and campus in clean and hygienic condition.
- We have well equipped laboratory for analysis of the samples and monitor the process.
- The samples of the final treated effluent were analyzed by approved laboratory for regular monitoring to control the parameters. Which have been found within the prescribed standards. (Copy of report enclosed **Annexure- 1**).

PART-I

Any other particular for improving the quality of the environment.

- We have installed 04 Nos. rain water harvesters in the premises.
- Occupational health surveillance program has already been taken regularly for all employees after each six months interval. And their medical records are being maintained.
- We have installed OCEMS for Air and Water .

For- M/s Radiant Manufacturer Pvt. Ltd.



Authorized Signatory



ES945053135IH IVR:6983945053135
SP BOKAJAN S.O <782480>
Counter No:4,18/04/2023,10:45
To:TO THE EXECUT,REGIONAL OFFICE
PIN:785621, Golaghat H.O
From:RADIANT MAN,KHATKHATI
Wt:70gms
Amt:41.30(Cash)Tax:6.30
Track on www.indianpost.gov.in

FACTURERS PVT. LTD.

Lt.No.-RMPLDD/HW/2022- 23/06

Date: 18-04-2023

To,

The Executive Engineer
Pollution Control Board, Assam
College Tiniali, Near Circuit House
Regional Office Golaghat- 785621.

Subject :- Annual report for the year 2020-21 under Hazardous & other Waste (M & TBM) Rules, 2016 as per your Ref. Letter No. RO/GOL/T-753/2001-02/202/2880 dated 24/07/2018.

Respected Sir,

With reference to above cited subject we are enclosed the Annual return in form-4 , for the period of "01April-2022 to 31March 2023"as per Hazardous waste (Management & Tran boundary Movement) Rule ,2016 by the industry M/s Radiant Manufacturer Pvt. Ltd. Khatkhati , Dist.- Karbianglong , Assam. This is for your kind information please.

Thanking You

Your s faithfully

For - Radiant Manufacturer Pvt. Ltd.



(Authorized Signatory)

FORM - 4

{ See rules 6(5), 13(8), 16(6) and 20(21) FORM FOR FILING ANNUAL RETURNS. [To be submitted to State Pollution Control Board by 15 th day of April of every year for the preceding period 01 April- 2022 to 31 March 2023.]

1. Name and address of Facility .

M/s Radiant Manufacturer Pvt. Ltd. Distillery Division, Vill.- Khatkhati,
Dist.- Karbi Anglong (Assam.)

2. Authorization No. and Date of issue

Not Applicable.

3. Name of authorized person and full address with

Mr. Jeevan chand (Unite Head) , Mob. No.- 8471897090,
e-mail - jeevan.chand@yahoo.com .

4. Production during the year (product wise), wherever applicable :-

Production during the FY. 2022 -2023

Sl No	Product / By- Product	Quantity per annum
1	ENA + RS	15675707.0 BL
2	Fusel oil (By Product)	42324.409 Lit.
3	DDGS	6269.42 MT

Part A. To be filled by Hazardous Waste generators.

1. Total quantity of waste generated category wise:-

Sr. No	Waste Discription	Category of H. W. & None H. W. as per the sheduld I, II and III of these Rules.	QTY./A (MT)
			3700.995
1	Fly ash	Sheduled -1 HW Rule -9	1.400
2	Waste resin	Sheduled -1 Stream-35.2	0.035199
3	ETP Sludge	Sheduled -1 stream-35.3	0.0225
4	Used Oil	Sheduled -1 Stream -5.1	53002.0
5	Condense t water	Sheduled -1 Stream -36.1	1066.0
6	Chemical Container	Sheduled -1 Stream -33.1	

2. Quantity dispatched.

(I) Disposal Facility:-

Sr. No	Discription	Reused/ Utilization and Storage
1	Fly ash	Used in making paves& Bricks, Land filling (covered by soil .)
2	Waste resin	Stored in under shed packed in plastic bags.
3	ETP Sludge	Used as a manure in the gardening.
4	Used Oil	Reused as a lubricant in plant machinery
5	Condense t water	After treatment used in cooling tower.
6	Chemical Container	Store, to be returned to the supplier & sold

(II.) To recycler or co-processors or pre-processor:-

Chemical container quantity-70.0 Nos return to the supplier and 996.0 Nos Sold .

(iii) Others. :-

Nil

1. Quantity utilized in house, if any :-

Utilized quantity of H. Waste, None H. Waste in the house as given below .

Sr. No	H. W. & None H.W. Discription	QTY. / Annum (MT)
1	Fly ash	3700.995
2	Waste resin	0.000
3	ETP Sludge	0.035199
4	Used Oil	0.023
5	Condense t water	53002.0
6	Chemical Container	1066.0 Nos

Quantity in storage at the end of the year :-

The storage quantity of H. waste (Resin) at the end of the year = 5.95MT

B. To be filled by Treatment, storage and disposal facility operators. :-

1. Total quantity received :-	Not Applicable
2. Quantity in stock beginning of the year :-	
3. Quantity Treated :-	
4. Quantity disposed in landfills as such and after treatment:-	
5. Quantity incinerated (If applicable) :-	
6. Quantity processed other then specified above.	
7. Quantity in storage at the end of the year.	

Part C To be filled by recyclers or co- processors or other users :-

1. Quantity of waste received during the year	Not Applicable.
(i) Domestic source :-	
(ii) Imported (if applicable)	
2. Quantity in stock at the beginning of the year	
3. Quantity recycled or co processed or used	
4. Quantity of product dispatched (wherever applica	
5. Quantity of waste generated	
6. Quantity of waste disposed	
7. Quantity re- exported (wherever applicable) :-	
8 Quantity in storage at the end of the year	

Date :-
Place :-

Signature of Occupier Or
Operator of the Disposal facility

