

# RADIANT MANUFACTURERS PVT. LTD.

Lt.No./RMPL/20-21/CR-10

Date:- 30-09-21

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- Khatkhati ,Dist.- karbi -anglong  
Assam.782480

**Period of Compliance Report** :- 01 Feb.2021 to 31 July 2021.

## 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.

RECEIVED  
RM 21/10/2021  
Pollution Control Board, Assam  
Bamunimaidam, Guwahati

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 attached a Bag filter to 15 TPH boiler &amp; a stack of 35 m. has been provided . There are 320 nos. of bags in the Bag filter. The ID fan capacity is 710 m<sup>3</sup>/ minute and is fitted to a 120 hp motor. The stack emission can be continuously monitoring as it has been made online and is in connection with the CPCB server, and it is under limit. A controlled room as directed has been set up for continuous monitoring <b>(Annexure. 1)</b></p>
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 frequently checked by PCB, Assam &amp; private parties as well. <b>(Annexure- 2)</b></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 &amp; 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 conform to the limits imposed by Assam Pollution Control Board.</p>	<p>We have providing the following measures for controlling fugitive Emissions a. Closed storage . b.Closed handling &amp; conveyance of Chemicals / materials . c. Multi Cyclone separator. d. Water sprinkling system.</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>We have 2 nos. of DG sets, with capacity of 725 KVA &amp; 250 KVA.Both these DG sets have been provided with a acoustic enclosure, 9m stack to control the noise pollution.<b>(Annexure. 3)</b></p>

7	<p>The company shall upload the status of compliance of the stipulated environmental clearance conditions, including result of monitored data on its websites. 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 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>Website is available <a href="http://rmpidd.com">http://rmpidd.com</a> can be referred.</p>
8	<p>The Total fresh water requirement from water shall not exceed 560m<sup>3</sup>/day. Permission for the drawl of 560m<sup>3</sup>/day ground water from the Central Ground Water Authority/ Central Ground Water Board (CGWA/ CGWB) shall be obtained.</p>	<p>The industry is using water from Dhansiri River as per sanctioned order issued from KAAC secretariat vide letter no. KAAC /Irri/ Misc-4/2007-08 dt: 2/12/2011. Photo copy attached. The total fresh water requirement is approximately 520 - 550m<sup>3</sup>/day. <b>(Annexure- 4)</b></p>
9	<p>Waste Water Generation shall not exceed 1314m<sup>3</sup>/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<sup>3</sup>/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.</p>	<p>Maximum Spent wash (7 - 8% solids) generated is 384 m<sup>3</sup>/ day, which is feed to the decanter. The DWGS(25%solids) is feed to the dryer to make DDGS, and the thin slope (2 -3% solids) is feed to the evaporation. From evaporation the syrup (35% solids) is feed to the dryer and the process condensate is feed to the ETP, and about 30m<sup>3</sup>/day is reused in the liquefaction. Total process condensate generated is about 200 m<sup>3</sup>/ day. From the ETP the water is treated and used in the cooling towers &amp; for gardening.</p>

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.	The industry not having a lagoon. the waste water generated is very minimum, due to the evaporation section. The minimum amount of waste water that is generated is treated in the ETP and used in the cooling towers & for gardening.
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 used as cattle feed.	Total fly ash generated is about 5 tons/day. The fly Ash is used for making bricks and pavers. Pictures enclosed . <b>(Annexure - 5)</b> DDGS production per day is about 24 tons, which is being sold to cattle feed industries.
12	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.	The industry has already installed fire fighting system, and fire extinguishers have been placed at various section. <b>(Annexure. - 6)</b>
13	Green belt shall be developed in 33% of the total land . Selection of plant species shall be as per the CPCB guidelines.	The entire surrounding plant area is well developed by green belt consisting of different trees like Assam tik, rubber plants, bamboo etc.This total area is about 6 acres. . Details is attached. <b>(Annexure - 7)</b>
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.	Done
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 heath 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>B</b>	<b>GENERAL CONDITIONS</b>	
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 with out 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.	If any expansion is to happen approval for modification will be taken from the 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 developed as per APCB.It is being done frequently by the Assam State Pollution Control Board, and a third party. Photo attached. <b>(Annexure - 8)</b>
4	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. 1986Rules,1989 viz. 75dBA (day time) and 70 dBA ( night time).	The over all noise level is being monitored day and night with the help of a noise meter and third party is under limit. Report enclosed. <b>(Annexure - 9)</b>
5	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.	Rain water harvesting from roof tops is being done. There are 3 ponds were the water is being collected & reused. The capacity of the ponds are approximately 950 m <sup>3</sup> , 700m <sup>3</sup> & 930m <sup>3</sup> . <b>(Annexure - 10)</b> Pits for ground water recharge have been made at various section of the industry. Enclosed photos. <b>(Annexure -11)</b>

6.	The company shall obtained Authorization for collection , storage and disposal of hazardous waste under the Hazardous waste ( Management ,Handling and trans - boundary Movement) Rule ,2008and its amendment time to time and prior permission from SPCB shall be obtained for disposal of solid/ hazardous waste including boiler ash.	We are applying for authorization.
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 have 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. ( Annex. 12)
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 has a routine medical examination of all employee on every six monthly basis, and has been providing safety equipment & training for handling of chemicals. Copy of certificate & Employee list. (Annexure-13)
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.	Has been complied. The public hearing was held on 17.02.2010 at 11 AM at Khatkhati Hindi LP School. The village officials were asking about local employment opportunities. At present about 60% of the staff are locally employed. ( Annexure 14)
11	The company shall undertake CSR activities and all relevant measures for improving the socio-economic condition of the surrounding area.	The company has been providing facilities like drinking water, electricity. Photos have been attached. (Annexure - 15)
12	The company shall undertake Eco- development measures including community welfare measures in the project area for the overall improvement of the environment.	Has been complied.

13	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>The environmental management cell is headed by Mr. Ravi Pal under the guidance of Mr. Jeewan Chand.</p> <p>The company has a well equipped laboratory to carry out environmental management &amp; monitoring functions. At present the Laboratory has equipment s&amp; chemicals to check the pH, COD, BOD, TSS, TDS,TVA &amp; Alkalinity etc. <b>(Annexure 16)</b></p>
14	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.	We are exclusively providing the funds for implementing the necessary environment conditions stipulated by MOEF List of the equipments and chemicals are attached <b>(Annexure-17)</b>
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.	<p>A copy of clearance letter is send to</p> <ul style="list-style-type: none"> <li>• KAAC Karbi Anglong Autonomous Council.</li> <li>• Bokajan Town Committee.</li> </ul>
16	The project proponent shall also submit six monthly reports on the status of compliance of the Environment Clarence 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 are submit the six monthly compliance reports in the respective Regional office of MOEF, Zonal office CPCB and APCB. and its A copy of Environmental clearance , Six monthly compliance report as soon as posted on the web site of the company.
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 year 2020-21 in the form- V submitted to Assam Pollution Control Board ending of financial year . <b>(Annexure -18)</b>

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 <a href="http://envfor.nic.in">http://envfor.nic.in</a> . 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.	Has been complied
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"> <li>- Financial closure is 31 March,2011</li> <li>- Financial approval from bank is received on 04 March,2011</li> <li>- NOC from from SPCB received on 31/03/2010</li> <li>-Date of start of the project is 8/11/2012.</li> </ul>

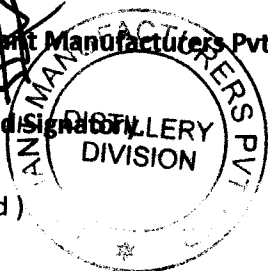
We hope your good self will find the same in order.

Thanking You with best regards,

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

Authorized Signatory

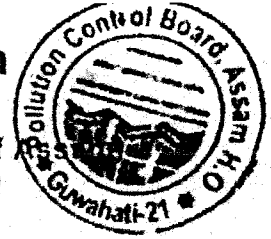
( Unit Head )





**Pollution Control Board:: Assam  
Bamunimaidam; Guwahati-21**

(Department of Environment & Forests :: Government of Assam)  
Phone: 0361-2652774 & 2550258; Fax: 0361-2550259  
Website: [www.pcbassam.org](http://www.pcbassam.org)



No. WB/GOL/T-239/12-13/206

Dated Guwahati, the 3/9/ 2021

To

M/s. Radiant Manufacturers Pvt Ltd  
(For Distillery Division)  
Vill. & P.O. Khatkhathi - 782480  
Dist: Karbi Anglong (Assam)

Sub: "Consent to Operate" upto 31<sup>st</sup> March, 2022 under Water (Prevention & Control of Pollution) Act, 1974 and Air (Prevention & Control of Pollution) Act, 1981.

Ref: Your online application vide UAIN: PCB/F50/KG/010434/03/2020.

Dear Sir,

With reference to your application in the name and style as mentioned above, the Pollution Control Board, Assam is pleased to grant the "Consent to Operate" under the Water Act and Air Act upto 31<sup>st</sup> March, 2022 for producing (i) Extra Neutral Alcohol - 1260000 KL/Month and (ii) RECTIFIED SPIRIT-70000 KL/Month subject to pollution control measures taken by the unit throughout the period and the compliance of all necessary guidelines notified from time to time and strictly follow the Hon'ble Court Orders for such type of units, if any and under the terms & conditions as laid down in the Board's earlier letter vide No. WB/GOL/T-239/12-13/203/509 dtd. 07.10.2020. The grant of Consent to Operate will be automatically withdrawn if the above conditions are not fulfilled and if any genuine complaint against your unit is received by this office.

You are also requested to apply for "Consent to Operate" for the year 2022-2023 within November, 2021.

Yours faithfully,

  
Member Secretary (i/c)

Memo No. WB/GOL/T-239/12-13/206 - A,

Dated Guwahati, the \_\_\_\_\_ 2021

Copy to:

1. The General Manager, DI&CC, Karbi-Anglong for information.
2. The Executive Engineer, Regional Office, Golaghat, Pollution Control Board, Assam for information & necessary action.

  
Member Secretary (i/c)



**Pollution Control Board:: Assam  
Bamunimaidam; Guwahati-21**

(Department of Environment & Forests :: Government of Assam)  
Phone: 0361-2652774 & 2550258; Fax: 0361-2550259  
Website: [www.pcbassam.org](http://www.pcbassam.org)



No. WB/GOLT-237/12-13/111

Dated Guwahati, the 31/9/2021

To

✓ M/s. Power Turbine Unit <sup>792</sup>  
(A unit of Radiant Manufacturers Pvt. Ltd.)  
Vill. & P.O.: Khatkhati  
Dist: Karbi Anglong (Assam)

**Sub: "Consent to Operate" upto 31<sup>st</sup> March, 2022 under Air (Prevention & Control of Pollution) Act, 1981.**

**Ref: Your online application vide No. 667236**

Dear Sir,

With reference to your application in the name and style as mentioned above, the Pollution Control Board, Assam is pleased to grant the "Consent to Operate" under the Air Act upto 31<sup>st</sup> March, 2022 for Distillery Unit having capacity – 2.1 Mega Watt subject to pollution control measures taken by the unit throughout the period and the compliance of all necessary guidelines notified from time to time and strictly follow the Hon'ble Court Orders for such type of units, if any and under the terms & conditions as laid down in the Board's earlier letter vide No. WB/GOLT-237/12-13/108/511 dtd. 07.10.2020. The grant of Consent to Operate will be automatically withdrawn if the above conditions are not fulfilled and if any genuine complaint against your unit is received by this office.

You are also requested to apply for "Consent to Operate" for the year 2022-2023 within November, 2021.

Yours faithfully,

**Member Secretary (I/c)**

Memo No. WB/GOLT-237/12-13/111 - A,

Dated Guwahati, the 3/9/2021

Copy to:

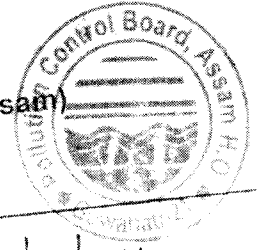
1. The General Manager, DI&CC, Karbi-Anglong district for information.
2. The Executive Engineer, Regional Office, Golaghat, Pollution Control Board, Assam for information & necessary action.

**Member Secretary (I/c)**



**Pollution Control Board:: Assam**  
**Bamunimaidam; Guwahati-21**

(Department of Environment & Forests :: Government of Assam)  
Phone: 0361-2652774 & 2550258; Fax: 0361-2550259  
Website: www.pcbassam.org



Dated Guwahati, the 14/09/2021

No. WB/GOL/T-236/12-13/114

To

✓ Mrs R.S. Animal Feed Industry  
(A Unit of Radiant Manufacturer Pvt. Ltd.)  
Vill. & P.O.: Khatkhati – 782480  
Dist: Karbi Anglong (Assam)

**Sub: "Consent to Operate" upto 31<sup>st</sup> March, 2022 under Air (Prevention & Control of Pollution) Act, 1981.**

**Ref: Your online application vide No. 669813**

Dear Sir,

With reference to your application in the name and style as mentioned above, the Pollution Control Board, Assam is pleased to grant the **"Consent to Operate"** under the **Air Act upto 31<sup>st</sup> March, 2022 for producing Cattle Feed – 400 tonnes/month** subject to necessary guidelines taken by the unit throughout the period and the compliance of all such type of units, if any and under the terms & conditions as laid down in the Board's earlier letter vide No. WB/GOL/T-236/12-13/112 dtd. 16.10.2020. The grant of Consent to Operate will be automatically withdrawn if the above conditions are not fulfilled and if any genuine complaint against your unit is received by this office.

You are also requested to apply for **"Consent to Operate"** for the year **2022-2023** within **November, 2021**.

Yours faithfully,

**Member Secretary (i/c)**

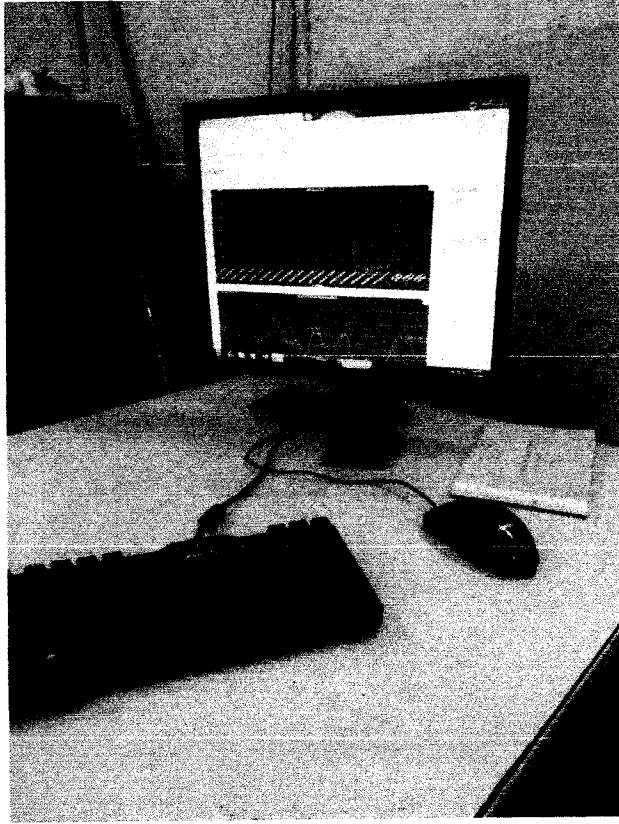
Dated Guwahati, the 14/09/2021

Memo No. WB/GOL/T-236/12-13/114 - A,

Copy to:

1. The General Manager, DI&CC, Golaghat for information.
2. The Sr. Env. Engineer, Regional Office, Golaghat, Pollution Control Board, Assam for information & necessary action.

**Member Secretary (i/c)**





# ABNS Scientific Services

Monitoring, Quality Control, Survey & Environmental Consultancy

(Pollution Control Board, Assam recognized Laboratory)

H/No-152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

## TEST REPORT

Report Number: ABNS/EM/140721/13

Date : 14/07/2021

Name & Address of the Customer:

M/S RADIANT MANUFACTURERS (P) LTD

Khatkhati, Karbi Anglong

Karbi Anglong ; Assam-782480.

Ref.: W.O. No. RMPL/DD/21-22/163R

Date of sampling: 07/07/2021

Sample Description: Ambient Air

Analysis start Date: 09/07/2021

Location : Near Weight Bridge

Latitude: 25.960071667 N, Longitude: 93.753836667 E

Analysis end Date: 14/07/2021

Weather Condition: Cloudy

## ANALYSIS RESULT

Sl No	Parameters	Unit	RESULT	LIMIT	TEST METHOD
1.	Particulate Matter (<10um)	µg/m <sup>3</sup>	87	100	IS 5182: Part 23:2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m <sup>3</sup>	46	60	Lab SOP.Doc.NO. TPM/ABNS/E/5/D
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	10.4	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Oxides of nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	27.5	80	IS 5182 : Part 6 :2006 (Reaff.2012)

**NOTE:** Limit as per CPCB notification, New Delhi, 18<sup>th</sup> November 2009, for Ambient air quality

Note: The results relate to the parameter tested only.

For ABNS Scientific Services,

Report checked By: Dr. Bidyut J Sarmah (TM)

*[Signature]*  
14/07/2021  
Authorized Signatory



# ABNS

## Scientific Services

Monitoring, Quality Control, Survey & Environmental Consultancy  
(Pollution Control Board, Assam recognized Laboratory)

H/No 152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

Phone : 98640 68513, 9864089951  
E-mail : bidyut95@gmail.com

### TEST REPORT

Report Number: ABNS/EM/140721/14

Date : 14/07/2021

Name & Address of the Customer:

M/S RADIANT MANUFACTURERS (P) LTD

Khatkhati, Karbi Anglong

Karbi Anglong ; Assam-782480.

Ref: W.O. No. RMPL/DD/21-22/163R

Date of sampling: 07/07/2021

Sample Description: Ambient Air

Analysis start Date: 09/07/2021

Location : Near Distillation & Cooling Tower

Latitude: 25.960851667 N, Longitude: 93.753106667 E

Analysis end Date: 14/07/2021

Weather Condition: Cloudy

### ANALYSIS RESULT

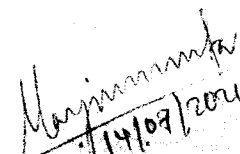
Sl No	Parameters	Unit	RESULT	LIMIT	TEST METHOD
1.	Particulate Matter (<10um)	µg/m <sup>3</sup>	92	100	IS 5182, Part 23 2006 (Reaff. 2012)
2.	Particulate Matter (<2.5um)	µg/m <sup>3</sup>	51	60	Lab SOP.Doc.NO. TPM/ABNS/E/S/D
3.	Sulphur Dioxide (SO <sub>2</sub> )	µg/m <sup>3</sup>	11.7	80	IS 5182 : Part 2 :2001 (Reaff.2012)
4.	Oxides of nitrogen (NO <sub>x</sub> )	µg/m <sup>3</sup>	31.6	80	IS 5182 : Part 6 :2006 (Reaff.2012)

NOTE: Limit as per CPCB notification, New Delhi, 18<sup>th</sup> November 2009, for Ambient air quality

Note: The results relate to the parameter tested only.

For ABNS Scientific Services,

Report checked By: Dr. Bidyut J Sarmah (TM)

  
14/07/2021  
Authorized Signatory



# ABNS

## Scientific Services

Monitoring, Quality Control, Survey & Environmental Consultancy

(Pollution Control Board, Assam recognized Laboratory)

H/No.152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

Phone : 98640 68513, 9864089951

E-mail : bidyut951@gmail.com

### TEST REPORT

Report Number: ABNS/EM/140721/15

Date : 14/07/2021

Name & Address of the Customer:

**M/S CONTROL PRINT LIMITED.**

Guwahati Plant (M) Village Hudumpur, Mouza Chayani

Dist.- Kamrup Region . Pin. – 781128. Assam.

Ref: W.O. No. RAIP/DD/21-22/163R

Date of sampling: 07/07/2021

Sample Description: Waste Water (ETP Outlet)

Analysis start Date: 09/07/2021

Sample Collected by: ABNS Scientific Services

Analysis end Date: 14/07/2021

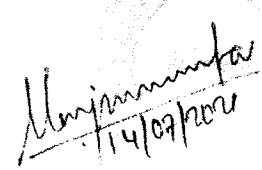
### ANALYSIS RESULT

Sl. No.	Water Quality PARAMETERS	UNIT	RESULT	REFERENCE METHOD	Permissible limit (CPCB)
1.	pH	-	8.72	IS 3025 (Part 11)1983 (Reaffirmed 2017)	5.5 – 9.0
2.	Total Suspended Solids (TSS)	mg/L	51.8	IS 3025 (Part 17)1984 (Reaffirmed 2017)	100mg/L
3.	Total Dissolved Solids (TDS)	mg/L	670.0	IS 3025 (Part 16)1984 (Reaffirmed 2017)	2100mg/L
4.	BOD	mg/L	28.0	IS 3025 (Part 44)1993 (Reaffirmed 2019)	30mg/L
5.	COD	mg/L	164.0	IS 3025 (Part 58)2006: Reaffirmed 2017	250mg/L
6.	Oil and grease	mg/L	7.2	IS 3025 (Part 39)1991 (Reaffirmed 2019)	10mg/L

*Note: The results relate to the parameter tested only.*

For ABNS Scientific Services,

Report checked By: Dr. Bidyut J Sarmah (TM)

  
14/07/2021  
Authorized Signatory



# ABNS

## Scientific Services

Monitoring, Quality Control, Survey & Environmental Consultancy  
(Pollution Control Board, Assam recognized Laboratory)

H/No.152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

Phone : 98640 68513, 9864089951  
E-mail : bidyut951@gmail.com

### TEST REPORT

Report Number: ABNS/EM/140721/16	Date : 14/07/2021
Name & Address of the Customer: M/S RADIANT MANUFACTURERS (P) LTD Khatkhati, Karbi Anglong Karbi Anglong : Assam-782480.	
Ref.: W.O. No. RMPL/DD/21-22/163R	Date of sampling: 07/07/2021
Sample Description: Stack emission (Boiler)	Analysis start Date: 09/07/2021
Stack Connected to : Bag Filter	Analysis end Date: 14/07/2021
Sample Type : Flue gas	Shape Of Stack : circular
Fuel Used: Rice Husk	Capacity: 16.5MTH
Emission Due to : - Burning of rice husk	Construction Material of stack : MS
Stack Height: 35 m	Diameter of Stack: 0.8 m

### ANALYSIS RESULT

SL NO	PARAMETERS	RESULTS	METHOD
1	Temperature of emission (°c)	160	IS 1255 (Part III); Rffm:2003
2	Barometric pressure (mm of Hg)	740	USEPA Part 2-25/09/1996
3	Velocity of Gas (m/sec)	2.34	IS 1255 (Part III); Rffm:2003
4	Quantity of Gas Flow (Nm3/hr)	0.865106	IS 1255 (Part III); Rffm:2003
5	Particulate Matters (mg/Nm3)	83.0	IS 1255 (Part I)
6	Sulphur Dioxide (mg/Nm3)	23.5	IS 1255 (Part II)
7	Nitrogen Oxides (mg/Nm3)	28.7	IS 1255 (Part VII); 2005
8	Oxygen (%V/V)	9.6	IS 13270-1992; Rffm:2014
9	Carbon Monoxide (%V/V)	<0.2	IS 13270-1992; Rffm:2014
10	Carbon Dioxide (%V/V)	5.4	IS 13270-1992; Rffm:2014

Note: The results relate to the parameter tested only.

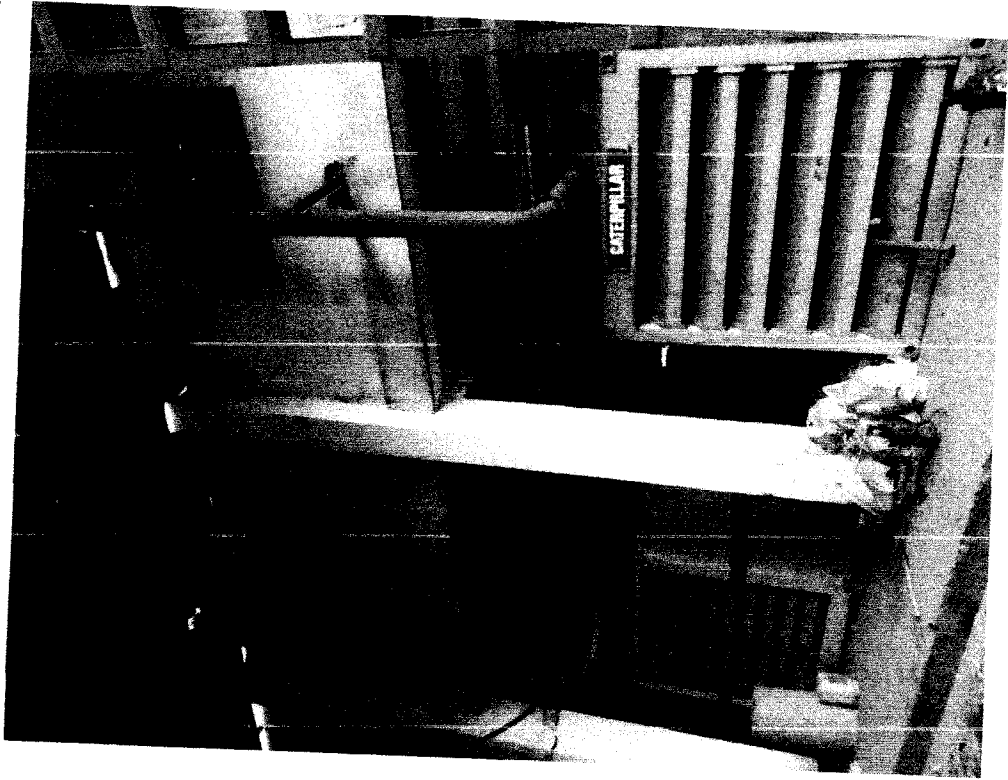
For ABNS Scientific Services,

*Marjamma*  
14/07/2021

Authorized Signatory

Report checked By: Dr. Bidyut J Sarmah (TM)

Annexure-3



OFFICE OF THE KARBI ANGLONG AUTONOMOUS COUNCIL  
KAAC SECRETARIAT DIPHU

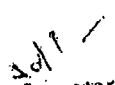
Dated 02/12/2011

No.KAAC/Irri/Misc-4/2007-08

**ORDER**

No objection certificate is hereby issued in favour of M/S Radiant Manufacturers Pvt Ltd (Distillery Division) Khatkhati Karbi Anglong Assam, allowing the use of surface river water of Dhonsiri River for distillery purpose at Khatkhati.

The Distillery plant shall be allowed a maximum 2000 M<sup>3</sup> of water per day only.

  
Principal Secretary

Karbi Anglong Autonomous Council

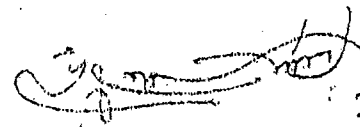
DIPHU

Dated 02/12/2011

No.KAAC/Irri/Misc-4/2007-08 / *61 (A)*

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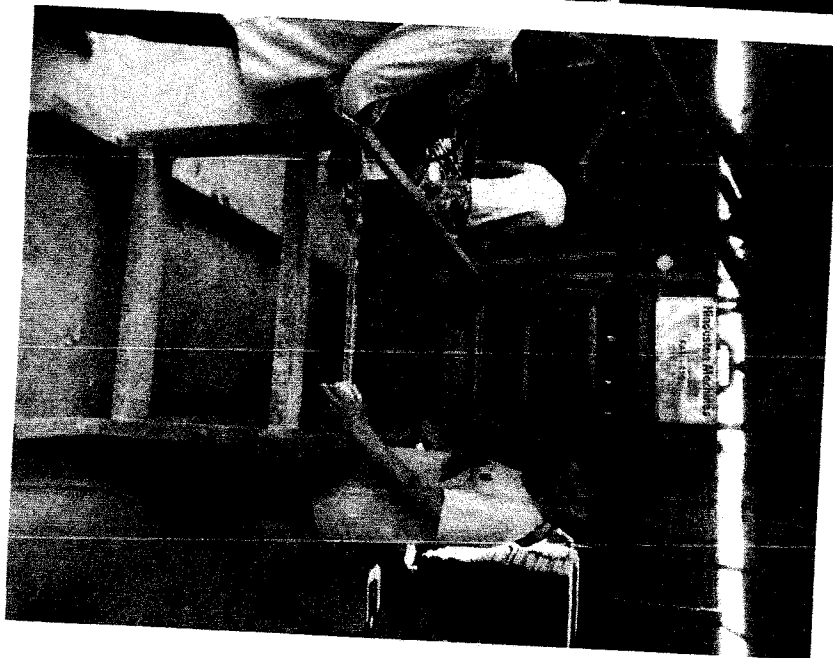
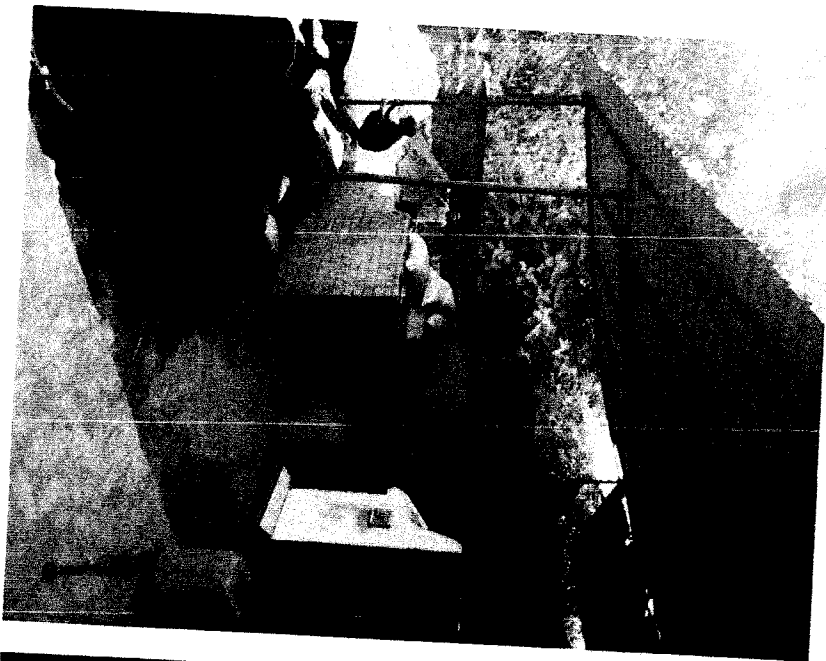
1. The Addl Chief Engineer Zone -IV (Irrigation) Diphu, Karbi Anglong. For information with reference to letter no ACE(Z-IV) Tech/1/2011-12/9 Dt 17/11/2011.
2. The Executive Engineer, Bokajan Division Irrigation, Sarilhajan for information & necessary action.
3. M/S Radiant Manufacture Pvt Ltd. Khatkhati for information & necessary action with reference to Their application Dt 12/10/2011.
4. Office File

  
Principal Secretary

Karbi Anglong Autonomous Council

DIPHU

3/12



Ahexur-5



## Application Acknowledgment

Date: 17/07/2021

Dear Roshan Chand,

Thank you for using ServicePlus.

Your application for Application for Renewal of Fire NOC under Assam Fire Service Rule 1989 Form No XII has been successfully submitted to Bokajan FnESS, ASSAM.

### Application Summary

Application Reference Number is FIRNOCXII/2021/00507

The service will be delivered on or before .

### List of Enclosures with Application

<u>Type of document(s)</u>	<u>Document(s) Attached</u>
Common Application Form (Department of Industries and Commerce)	Copy of Common Application Form
UBIN Certificate	Copy of UBIN (Unique Business Identification Number) Certificate
Copy of previous Fire N.O.C	Copy of previous Fire N.O.C

**Service Designated Officer:**

Name: Department Admin

Address:

Email: anuradha.barua@gmail.com

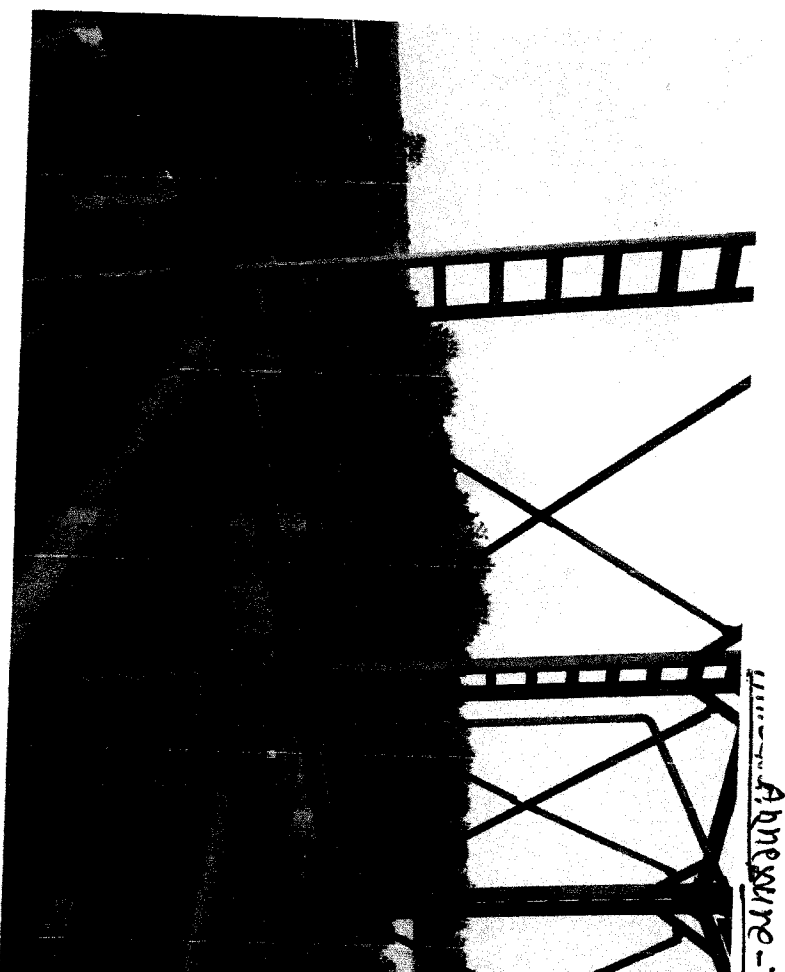
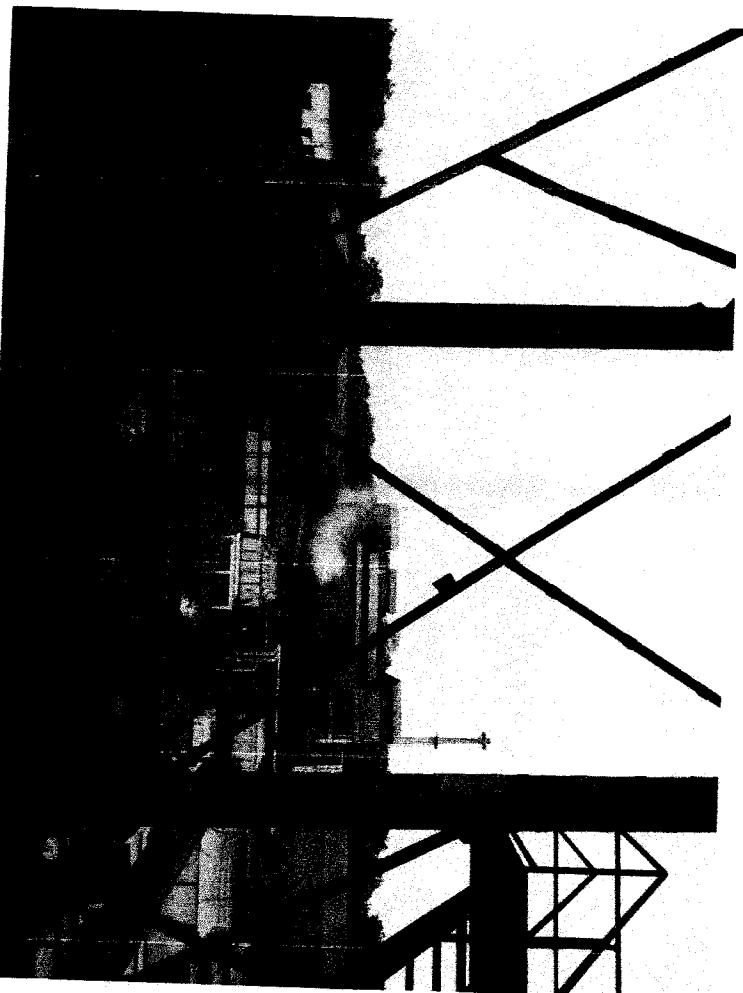
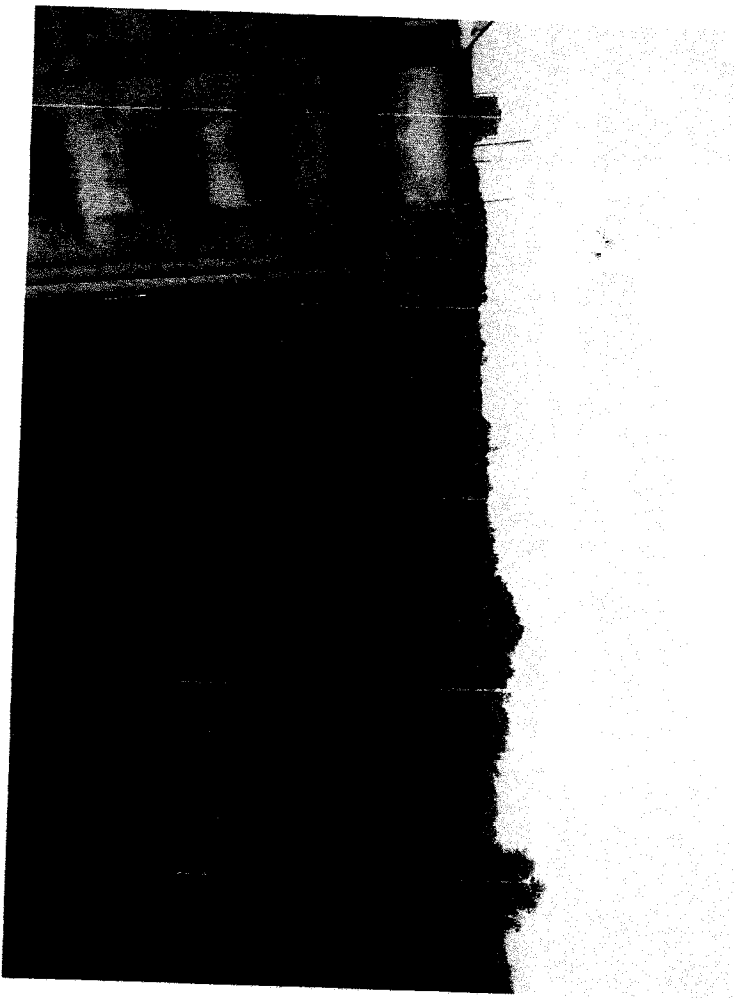
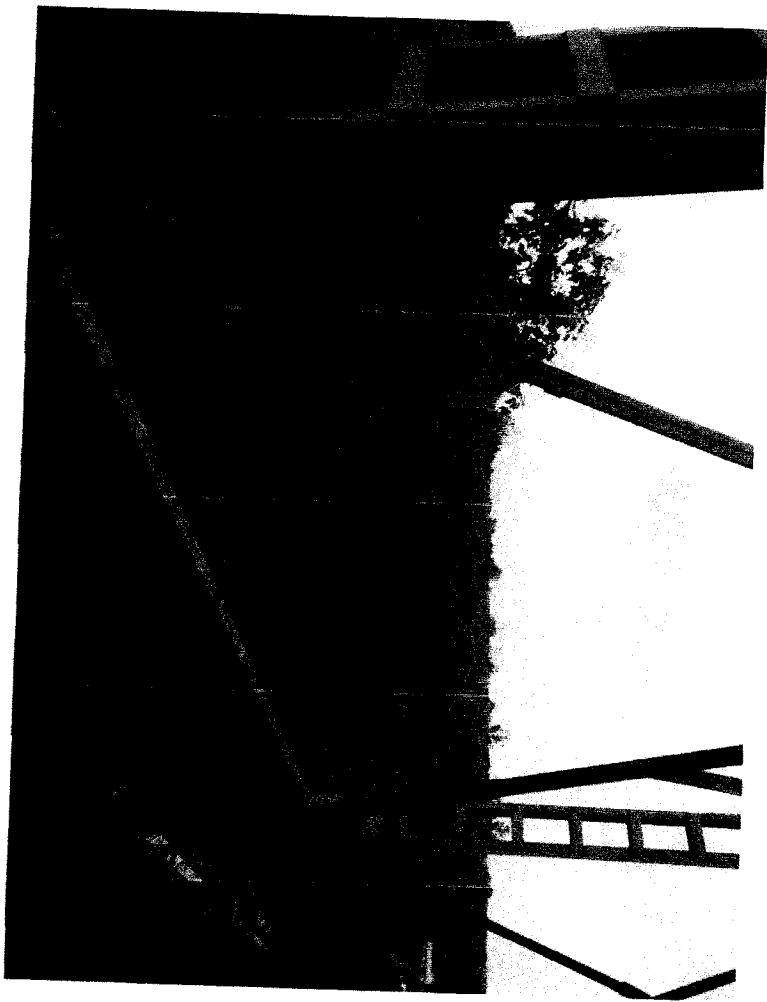
Phone No.:

Regards

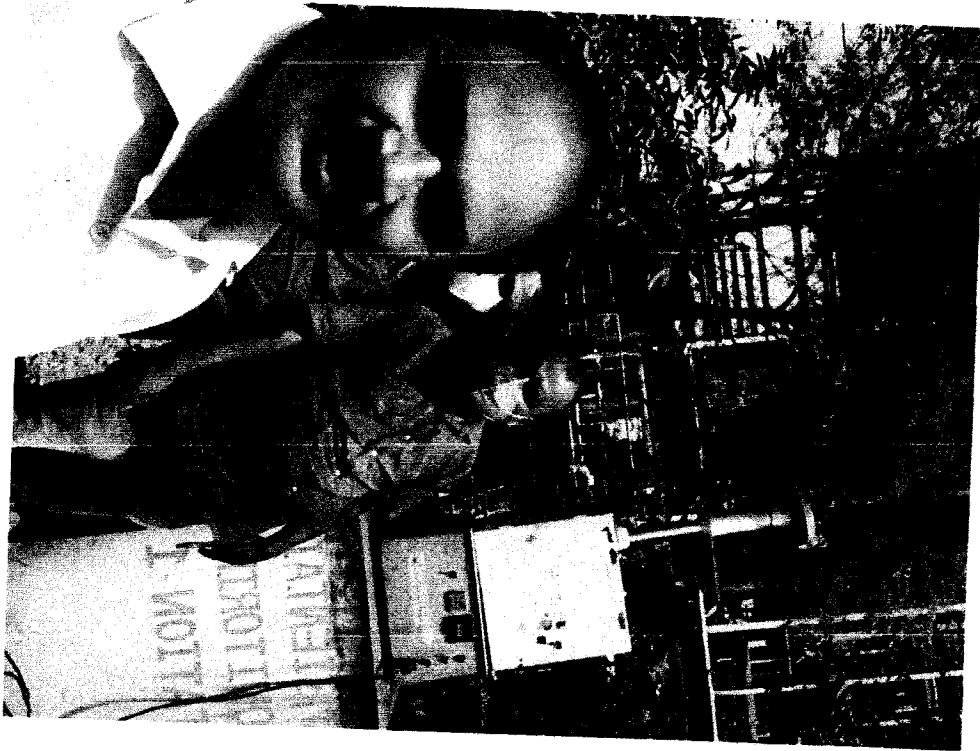
ServicePlus

Appendix 6





Abney me -



Amware-8



# ABNS Scientific Services

Monitoring, Quality Control, Survey & Environmental Consultancy

(Pollution Control Board, Assam recognized Laboratory)

H/No.152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

## TEST REPORT

Report Number: ABNS/EM/140721/17

Date : 14/07/2021

Name & Address of the Customer:

M/S RADIANT MANUFACTURERS (P) LTD

Khatkhati, Karbi Anglong

Karbi Anglong ; Assam-782480.

Ref.: W.O. No. RMPL/DD/21-22/163R

Date of sampling: 07/07/2021

Sample Description: Ambient Noise

## ANALYSIS RESULT

Sl. No.	Test Locations	Results dB(A)	Reference Method
1	Near Main Gate	73.5	IS 9989-2003

Ambient Noise Standards(CPCB):			
Area Code	Category of Area	Limit in dB(A) Leq	
		Day time	Night time
A.	Industrial area	75	70
B.	Commercial area	65	55
C.	Residential area	55	45
D.	Silence Zone	50	40

Note: The results relate to the parameter tested only.

For ABNS Scientific Services,

Report checked By: Dr. Bidyut J Sarmah (TM)

Authorized Signatory

*Handwritten signature and date: 14/07/2021*



# ABNS

## Scientific Services

Monitoring, Quality Control, Survey & Environmental Consultancy  
(Pollution Control Board, Assam recognized Laboratory)  
H/No.152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

Phone : 98640 68513, 98640899  
E-mail : bidyut951@gmail.com

### TEST REPORT

Report Number: ABNS/EM/140721/18

Date : 14/07/2021

Name & Address of the Customer:

M/S RADIANT MANUFACTURERS (P) LTD

Khatkhati, Karbi Anglong

Karbi Anglong : Assam-782480.

Ref: W.O No. RA/PL DD 21-22/163R

Date of sampling: 07/07/2021

Sample Description: Ambient Noise

Sl. No.	Test Locations	Results dB(A)	Reference Method
1	Near Boiler Stack	74.2	IS 9989-2003

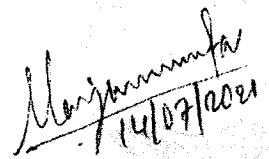
Ambient Noise Standards(CPCB):			
Area Code	Category of Area	Limit in dB(A) Leq	
		Day time	Night time
A.	Industrial area	75	70
B.	Commercial area	65	55
C.	Residential area	55	45
D.	Silence Zone	50	40

### ANALYSIS RESULT

Note: The results relate to the parameter tested only.

For ABNS Scientific Services,

Report checked By: Dr. Bidyut J Sarmah (TM)

  
14/07/2021  
Authorized Signatory



# ABNS

## Scientific Services

Monitoring, Quality Control, Survey & Environmental Consultancy  
(Pollution Control Board, Assam recognized Laboratory)

H/No.152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

Phone : 98640 68513, 9864089951  
E-mail : bidyut951@gmail.com

### TEST REPORT

Report Number: ABNS/EM/140721/19

Date : 14/07/2021

Name & Address of the Customer:

M/S RADIANT MANUFACTURERS (P) LTD

Khatkhati, Karbi Anglong

Karbi Anglong ; Assam-782480.

Ref.: W.O. No. RMPL/DD/21-22/163R

Sample Description: Ambient Noise

Date of sampling: 08/07/2021

### ANALYSIS RESULT

Note: The results relate to the parameter tested only.

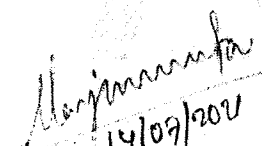
Sl. No.	Test Locations	Results dB(A)	Reference Method
1	Near ETP Area	71.7	IS 9989-2003

*Ambient Noise Standards(CPCB):*

Area Code	Category of Area	Limit in dB(A) Leq	
		Day time	Night time
A.	Industrial area	75	70
B.	Commercial area	65	55
C.	Residential area	55	45
D.	Silence Zone	50	40

For ABNS Scientific Services,

Report checked By: Dr. Bidyut J Sarmah (TM)

  
14/07/2021  
Authorized Signatory



# ABNS Scientific Services

Monitoring, Quality Control, Survey & Environmental Consultancy

(Pollution Control Board, Assam recognized Laboratory)

H/No.152, Padumbari, Jalukbari, Guwahati-781011, Dist- Kamrup (M), Assam

Phone : 98640 68513, 9864089951

E-mail : bidyut951@gmail.com

## TEST REPORT

Report Number: ABNS/EM/140721/20

Date : 14/07/2021

Name & Address of the Customer:

M/S RADIANT MANUFACTURERS (P) LTD

Khatkhati, Karbi Anglong

Karbi Anglong : Assam-782480.

Ref.: W.O. No. RMPL/DD/21-22/163R

Date of sampling: 08/07/2021

Sample Description: Ambient Noise

## ANALYSIS RESULT

Sl. No.	Test Locations	Results dB(A)	Reference Method
1	Near Reception Area	69.5	IS 9989-2003

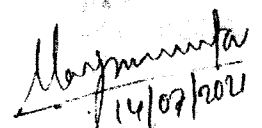
Ambient Noise Standards(CPCB):

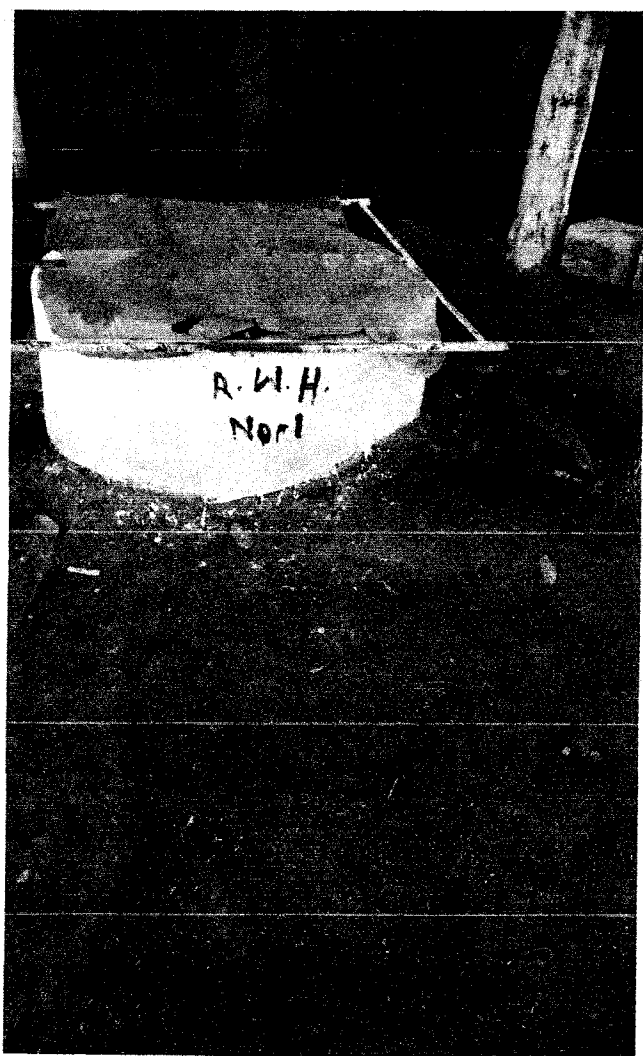
Area Code	Category of Area	Limit in dB(A) Leq	
		Day time	Night time
A.	Industrial area	75	70
B.	Commercial area	65	55
C.	Residential area	55	45
D.	Silence Zone	50	40

Note: The results relate to the parameter tested only.

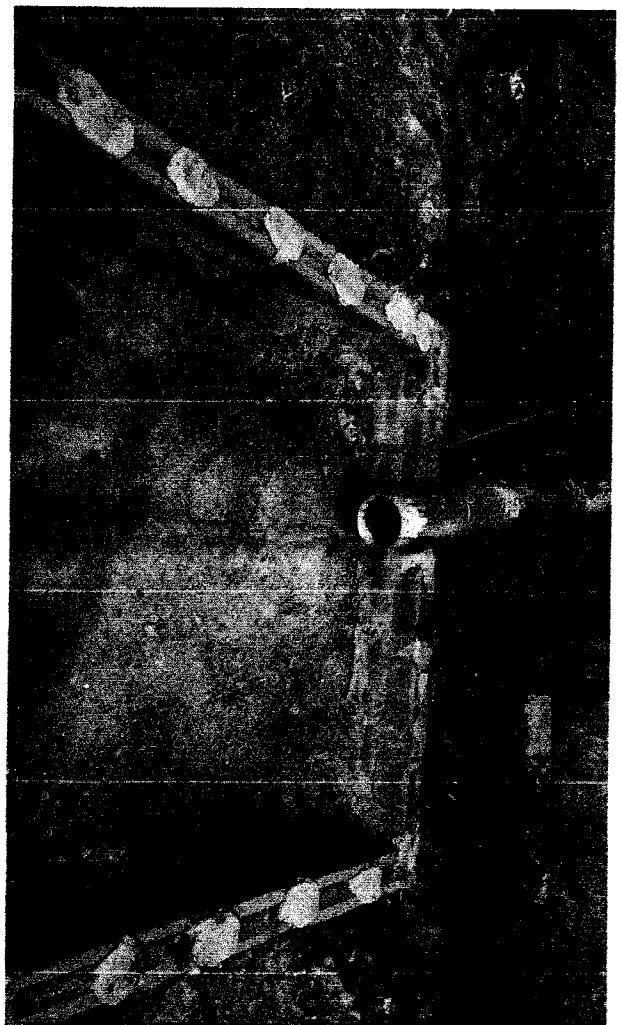
For ABNS Scientific Services,

Report checked By: Dr. Bidyut J Sarmah (TM)

  
14/07/2021  
Authorized Signatory



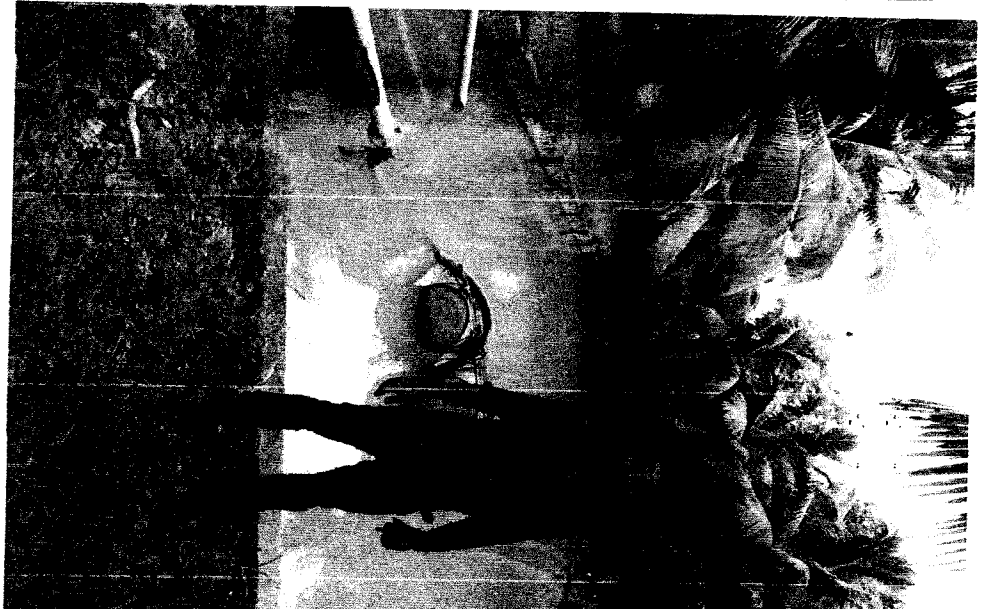
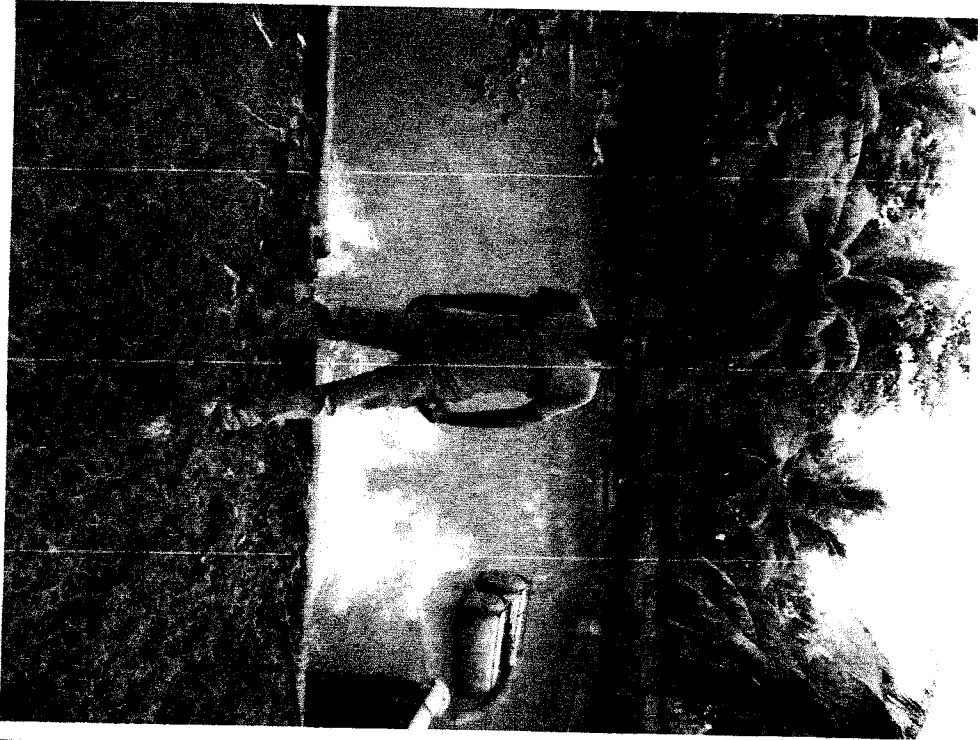
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4



3





# DR. J.N. KALITA

SR.MEDICAL HEALTH OFFICER (AYU)  
BOKAJAN 30 BEDED RURAL HOSPITAL

Karbi Anglong : Assam  
Regd. No. 0152 (BAM)



Date...19/07/21.....

(To, whom it may concern)

The persons is examine at  
Radient manufacture Pvt. Ltd. Whatkhati  
Karbi Anglong (Assam) today on  
19/07/21 and found on normal  
condition as per serial no of  
register from 01 to 92.

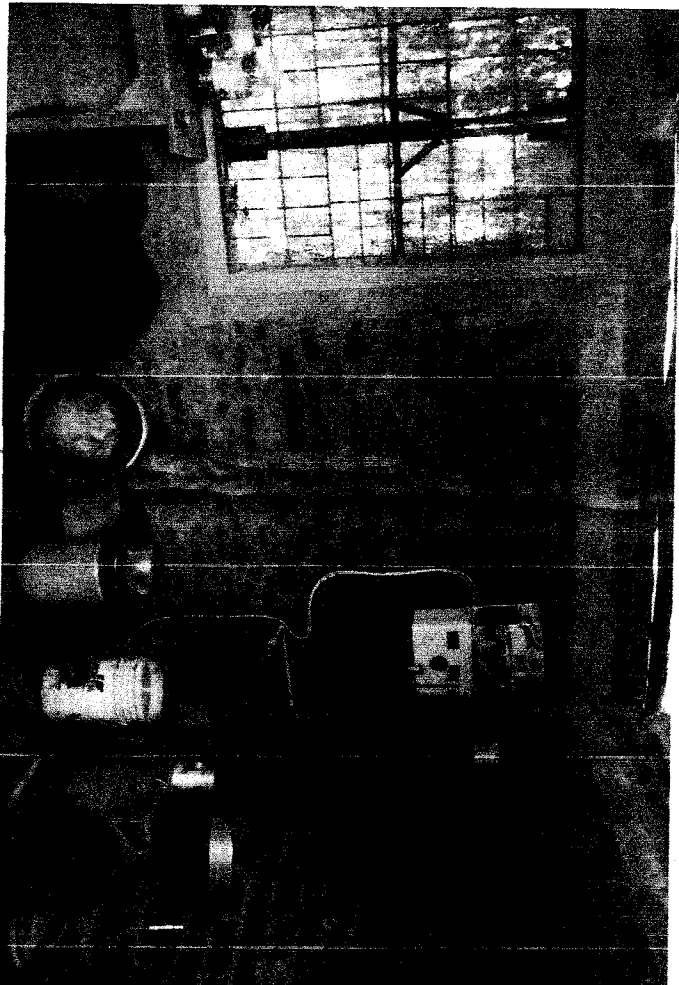
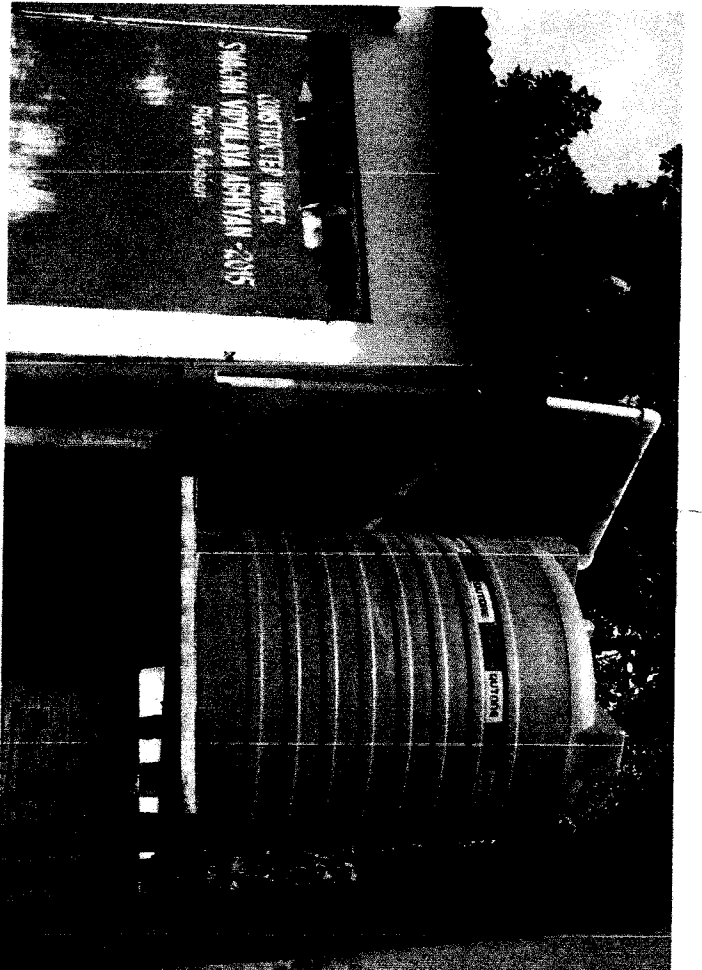
*AK*

DR. J.N. KALITA  
Sr. M. & D. (AYU)  
Bokajan CHC  
Karbi Anglong

**Radiant Manufacturers Pvt. Ltd. (Distillery Division)**  
**Khatkhati (Near Khatkhati Petrol Pump)**  
**Karbi Anglong, Assam – 782480**

S.NO	Employess Name	Department
1	Abdul Haque	Transport
2	Abdul Sahid	Security
3	Abhay Singh	Mechanical
4	Ajay Mijar	DD
5	Ajay Saikia	Power
6	Ajit Saran	Process
7	Akhilesh Singh	Powerplant
8	Alexcivis Engti	Process
9	Am Bahadur Marapache	Transport
10	Amandeep Panwar	Process
11	AMIT MECH	Power
12	Amit Proja	DD
13	Amorsing Taro	Powerplant
14	Anand Engti	RS Feed
15	Ananda Karmakar	Power
16	Anidul Haque	Fermentation
17	Anil Kumar	Electrical
18	Anurag Saikia	Security
19	Arif Ali	WTP
20	Arjun Bhujel	Security
21	Arjun Tiwari	Powerplant
22	Arun Guwala	Process
23	Arun Kr Singh	Powerplant
24	Arup Barman	Powerplant
25	Ashim Proja	DD
26	Babun Mech	MILLING
27	Banajit Das	Security
28	Basanti Limbu	Accounts
29	Bharat Chettry	Powerplant
30	Bhaskar Pator	Security
31	Bijay Ram	DD
32	Bijoy Goyari	Powerplant
33	Bijoy Sankar Chetia	RS Feed
34	Bikas Kumar Singh	Store
35	Bikram Debnath	Process
36	BILKISH BEGUM	Accounts
37	Birendra Das	Mechanical
38	Birendra Prasad	Electrical
39	Bishan Dey	Powerplant
40	Biswajit Nath	Civil
41	Biswajit Roy Laskar	Accounts
42	Bolindra Thengal	Security
43	Boloram Soren	DD
44	Charan Singh	Admin
45	Deepak Chettri	Transport
46	Dhan Sing Teron	Process
47	Dhananjoy Das	Mechanical
48	Dhirendra Chand	Electrical
49	Dibakar Das	Electrical
50	Diqanta Nath	Mechanical

51	Dilaram Kharel	Electrical
52	Dilip Karmakar	Power
53	Dilwar Hussain	DD
54	Dilwar Hussain - Lasia	Powerplant
55	Dipak Meher	Process
56	Dipak Saha	RS Feed
57	Dipu Das	Power
58	Dol Barabur Chetri	DD
59	Durga Chetri	Powerplant
60	ELIAS	Accounts
61	Gaku Raibongshi	Process
62	Gautam Singh	Mechanical
63	Gourab Paul	RS Feed
64	Gouri Rani Deb	Accounts
65	Gyandip Gogoi	Mechanical
66	Hemant Kumar Vishwakarma	Electrical
67	Hemanta Das	Security
68	Holiram Terang	Store
69	Homlal Lama	Security
70	Ishanur Anshari	
71	Jangbu Kra	Mechanical
72	Jankey Siringh	Store
73	Jeewan Chano	Process
74	Jiten Saikia	Mechanical
75	Jitendra Singh	Electrical
76	Jyoram Porja	Civil
77	Jyut Bandhan Singh	Powerplant
78	K. Sunanda Devi	Accounts
79	Kamal Das	Security
80	Kamleshwar Yadav	Powerplant
81	Kanai Shah	Store
82	Kanhaiya Kumar Singh	RS Feed
83	Kanhaiya Lal Sahani	Process
84	Karnal Sharif	Process
85	Kirtan Baitha	Powerplant
86	Kishor Chetry	Powerplant
87	Krishna Bahadur Thapa	Powerplant
88	Krishna Karmakar	Power
89	Kul Bahadur	Transport
90	Kunal Chettri	Accounts
91	Mangal Karmakar	MILLING
92	Manish Kumar Verma	Process
93	Manish Prasad	Process
94	Manoj Engti	Process
95	Manoj Kumar Vishwakarma	Powerplant
96	Mohendra Bora	Human Resource
97	Mohit Singh	RS Feed
98	Monoj Das	Process
99	Monuj Gogoi	Process
100	Mrinal Kalita	Mechanical
101	Narendra Borah	Process
102	Naresh Lal Bhar	Mechanical
103	Nasir Uddin Ahmed	DD
104	Neeraj Kumar Chouhan	Powerplant
105	Nikhil Rongpher	Process
106	Nikumoni Phukon	Security



## LIST OF LABORATORY CHEMICALS &amp; EQUIPMENTS .

M/S Radiant Manufacture Pvt. Ltd.

Sr. No.	Name of Camicals	Name of Equipments
1	Sodium hydroxide	BOD Incubator
2	Sulphuric Acid	COD Digester
3	Hydrochloric Acid	Hot Air Oven
4	Ferrous Ammonium Sulphate	PH Meter
5	Potassium dichromate	TDS Meter
6	Mercuric sulphate	Wt. Balance
7	Silver sulphate	Centrifuge Machine
8	Sodium thiosulphate	Heating Mantle
9	EDTA Solution.	Dist. Flat bottom flask 250,500 ml
10	Ammonia Buffer Solution	Beurette 25ml, 50ml
11	Erochrom Black T Indicator	Beurette stand
12	Methyl orange Indicator	Chemicals Bottles
13	Phenolphthalein Indicator	Measuring Cylinder 25,50,100,1000 ml
14	Potassium chromate	Volumetric Flask-50,100,500,1000 ml
15	Calcium chloride	Condenser B24
16	Barium chloride	Test tube 15ml
17	Ferrous chloride	Beaker 50,100,250,500 ml
18	calcium Carbonate	Beaker Plastic - 250, 500 ml
19	Sodium chloride	Conical flask 100, 250 ml
20	Magnesium sulphate	BOD Bottles 300ml
21	magnesium sulphate	Mini Air Pump
22	sodium Azide	Pipet 1,2,5,10,25,ml
23	Starch indicator	Crucible 50 ml
24	Phosphate buffer sol.	Rt forceps
25	PH buffer Tab. 4,7,9 PH	Muffle furnace
26	Murexide Indicator	Orset apparatus
27	Hydrated Lime	Petri dish
28	Nickel chloride	L - Band
29	Zinc chloride	Stand Clamp
30	cobaltous chloride	PVC Rinse Bottle
31	Ferrous indicator	Tissue paper
32	Nitric Acid	Manometer .
33	Silver Nitrate	Desiccator

