



RAMKRISHNA FORGINGS LIMITED

PLANT I :

PLOT NO. M-6, PHASE VI, GAMAHARIA,
JAMSHEDPUR - 832108,
JHARKHAND (INDIA)

PHONE : (+91 657) 3984900, 3984996/7

EMAIL : forgings-division@ramkrishnaforgings.com

Ref: RKFL/HR/20/PV/8-6

Date: 21.09.2020

To

The Regional Officer

Jharkhand State Pollution Control Board
New Housing Colony
Adityapur

Sub: Environmental Annual Return Form-V

Sir,

We are submitting here the **Environmental Annual Return Form-V**.

Kindly acknowledge the receipt.

Thanks and Regards

For, Ramkrishna Forgings Ltd.

Authorised Signatory

WORKS & OFFICES

Regd. & Corporate Office: West Bengal, India. PH: (+91 33) 2684 0900 / 0999
FAX: (+91 33) 2684 0998 EMAIL: info@ramkrishnaforgings.com

PLANT- II: 7/40, DUFFER STREET, LILUJAH, HOWRAH - 711204
WEST BENGAL (INDIA)
PH: (+91 33) 2654 8062/063



PLANT III & IV: PLOT NO. M-15, 16 & NS-26, PHASE VI, INDUSTRIAL AREA,
ADITYAPUR, JAMSHEDPUR - 832109, JHARKHAND (INDIA)
PH: (+91 657) 3984900/999 FAX: (+91 657) 3984998
EMAIL: ccc-division@ramkrishnaforgings.com

PLANT V: VILL: BAUGUNA, P.O.: KOLIBERA THANA: SARAKELA, DIST: SARAKELA,
KHARSAW: JAMSHEDPUR - 833225, JHARKHAND
PH: (+91 657) 3984900/999 FAX: (+91 657) 3984998 EMAIL: presiplant5@ramkrishnaforgings.com



**From V
(See Rule 14)**

Environmental Statement for the financial year ending the **March 2020**.

PART-A

- 1) Name & Address of the Owner/Occupier of the industry: - **Sri Mahabir Prasad Jalan, Chairman, M/s Ramkrishna Forgings Ltd – Plant-I, Plot No. M5, M6, Phase- VI, Adityapur Industrial Area, Gamaria, Dist- Seraikela-Kharswan, Jharkhand.**
- 2) Industry category primary: (SSI Code): **Large Scale**
- 3) Production capacity (Units): Auto componenets 3000 TPA, Engineering items 600 TPA, Export Items (Auto components + Engineering items) 754000 Nos./Yr .
- 4) Date of the last environmental statement submitted: 26.09.2019.
- 5) Year of establishment: 1985

PART- B

Water and Raw Materials Consumption

(1) Water consumption per day (in KL)(Average)	119.00
Process	44.00
Cooling	45.00
Domestic	30.00

Name of the Products	Process water consumption per unit of Product output					
	During the previous Financial year	During the current financial year				
(1)Auto componenets (2) Engineering items (3) Export Items (Auto components + Engineering items)	20,075 KL	16,060 KL				
(ii) Raw Material Consumption						
Name of Material	Name of Product	Consumption of raw material per Unit of product output				
		<table border="0"> <tr> <td></td> <td>During the previous financial year</td> <td>During the current financial year</td> </tr> </table>		During the previous financial year	During the current financial year	
	During the previous financial year	During the current financial year				
(i) Carbon Alloy Steel	Auto componenets Engineering items Export Items (Auto components + Engineering items)	<table border="0"> <tr> <td>59,315.15 MT</td> <td>33,970.28 MT</td> </tr> <tr> <td align="center">(total Consumption)</td> <td align="center">(Total Consumption)</td> </tr> </table>	59,315.15 MT	33,970.28 MT	(total Consumption)	(Total Consumption)
59,315.15 MT	33,970.28 MT					
(total Consumption)	(Total Consumption)					
Industry May use code if discharge details of Raw Materials would violate contractual obligation, otherwise and industries have to name the raw materials.						

PART-C

Discharged in the Environment unit Output
(Parameter as certified in the consent issued)

1. Pollutants	Quantity of pollutants discharged (Mass/day)	concentrations of pollution in discharged (Mass/day)	Variation from prescribed with reasons
Water Air	As per Water Monitoring Submitted As per Monitoring Report Submitted	Discharge outside Concentration within the prescribed	Nil Standard

PART-D

(As specified under Hazardous Waste/Management and Handling Rules, 1989)

Hazardous Waste	Total Quantity(Kg.)	
	During the previous Financial year	During the current financial year
(a) From Process (Waste Oil)	7770 L	1860 L,
(b) Oil Soaked Cotton/Hand globs	2186 Kg	1606 Kg

PART-E
Solid Waste

	Total Quantity (Kg.)	
	During the previous Financial year	During the current Financial year
(a) From Process	6364 MT	4307.73 MT
(b) From Pollution Control Facilities	NIL	NIL
(c) Quantity received or re-utilized Within the unit		
(ii) Sold	Total Quantity sold out for re-utilization	
(iii) Disposed		

PART-F

Please specify the characterization (in the term of consumption and quantity) of Hazardous as well as solid waste and disposal practice adapted for both these Categories of waste.

Two types of waste generated- Hazardous and Non Hazardous. Under Hazardous waste one used oil/Grease (lubricants etc) It is stored at demarcated storage area under shed and being sold to authorized recycler, handlers / Oil Soaked cotton to Co- processors registered with CPCB / JSPCB.

Non- Hazardous waste includes Raw material scrap, used drums and paper waste etc which are being regularly disposed off to the authorized vendors.

PART-G

Impact of the pollution abatement measures taken on conservation of natural resource and on production

Implementation of ETP/Oil separator system for reusing the waste water, RWH for maintaining ground water table, implementation of stack and Fume extraction system at various points in the plant and plantation at various locations within the premises.

PART-H


Additional measures/ investment proposal for environmental protection including abatement of pollution, prevention of pollution.

Intensive plantation has been done and in process as an additional investment proposal for trees outside the factory premises to the various locations.

PART-I

Any other particulars for improving the quantity of the environment.

The latest technology available/suggested by the Board in order to improve the environment will be adhered.


Signature of the Applicant
Designation *Manager-Legal*

(Krishna Handa)



JHARKHAND STATE POLLUTION CONTROL BOARD

ADITYAPUR, JAMSHEDPUR

AMBIENT AIR QUALITY REPORT (R&D)

Lab. Ref. No-87/19

Name of the Industry:-

M/s Ram Krishna Forging Ltd.
Unit-1, 6th Phase, AIA, Adityapur
Dist- Saraikela Kharsawan.

No. of Sampling Point-03
Sampling Position:

Date of Sampling

:- 18.12.2019

Weather Condition


:- Clear/Cloudy

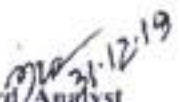
1. Near Visitor Gate
2. Near Gate no. 02
3. Near Scrap Yard

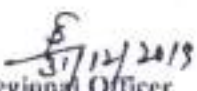
Time	SO ₂	NO _x	RSPM	Norms in ug/m ³
09.00AM TO 01.00PM	33.99	41.35	113.74	SO ₂ - 80
01.00PM TO 05.00PM	40.57	48.24		NO _x - 80
05.00PM TO 09.00PM	37.28	44.48	105.18	RSPM - 100
09.00PM TO 01.00AM	43.31	55.13		
Maximum	43.31	55.13	113.74	
Average	38.78	47.30	109.46	
Point-2				
09.15AM TO 01.15PM	36.18	46.99	107.21	
01.15PM TO 05.15PM	42.21	49.49		
05.15PM TO 09.15PM	38.37	51.37	81.98	
09.15PM TO 01.15AM	32.89	41.35		
Maximum	42.21	51.37	107.21	
Average	37.41	47.30	94.60	
Point- 3				
09.30AM TO 01.30PM	29.05	40.10	98.40	
01.30PM TO 05.30PM	35.63	47.61		
05.30PM TO 09.30PM	42.76	43.86	79.97	
09.30PM TO 01.30AM	44.95	53.25		
Maximum	44.95	53.25	98.40	
Average	38.10	46.20	89.19	

Note :- All value are expressed in micro gram/ cubic meter

Remarks :- The value of RSPM at point no. 01 was observed beyond the limit prescribed.


31/12/19
Team Incharge
Jamshedpur


31.12.19
Board Analyst
Jamshedpur


31/12/2019
Regional Officer
Jamshedpur

Report of	Report Code	JSPCB Online Application No.	Date of Issue
Ambient Noise	AN-7014882-01	7014882	02/01/2020

Issued To: RAMKRISHNA FORGINGS LIMITED

PLANT -I, Plot No. - M5, M6, Phase - VI
 Adityapur Industrial Area, Gambaria
 Seraikela Kharsawan, Jharkhand

SAMPLING & ANALYSIS DATA

Sample No. : RFL/2019/DEC/30
 Sample Date : 30/12/2019
 Sample Description : Noise Monitoring
 Sample Drawn By : USR Enviro
 Remark :
 Period of Analysis : One Time
 Protocol Used for Monitoring & Testing: IS: 4758/IS: 11446

Sample Collected By : Amlsh Krishna & Team

Industry Situated At : Industrial Area
 Year of Manufacturing : Not Available
 No. of DG Set : 1 (one)
 KVA : 1010 KVA

Stack Height : 3.78 M
 Manufacture of : STAMFORD
 Acoustic enclosure : Not Available
 Operational Status : Stand by Use in Forging Plant

Engine Number : 06102801

Sl. No.	Location	Monitoring Date	Leq dB(A) Day
1.	DG	30/12/2019	89.6

*EPA-1986, PCL/02/2010, Factories act [Chapter 104, Section 102(1)] Factories (Noise) Regulation.


Noise Limit as per CPCB		
Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial	75	70
Commercial	65	55
Residential	55	45
Silence	50	40
DG	75	

Notes:

- The results given above are related to the tested sample, as received.
- This test report will not be generated again, either wholly or in part, without prior written permission of the laboratory.
- This test report will not be used for any publicity/legal purpose.

CHECKED BY





 Rotash / Pratik Singh
 Laboratory Incharge
 Laboratory Incharge
 USR ENVIRO

- Environmental Monitoring : Air, Water, Noise, Hazardous Waste-oil, VOC, Soil, Stack, Work, Area Monitoring, ETP Sludge, Cooling Tower Sludge.
- Quality Testing of Raw Materials and Finished, Products like Coal, Iron, Bauxite, Silica, Quartz, Water, Oil, Food Products, Fertilizer & Chemicals.
- Design, Installation and operation/Maintenance, of Air Pollution Control Equipment, Ventilation, System, Noise Barrier/Acoustics Enclosure, ETP/STP, Softening Plant.
- Preparation of Reports like Social Impact, Assessment, Hazard Analysis and Risk Assessment and Project Report, Mining Plan, Data Collection for EIA/Rapid EIA

Report of Ambient Noise	Report Code AN-7014882-02	JSPCB Online Application No. 7014882	Date of Issue 02/01/2020
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Issued To: RAMKRISHNA FORGINGS LIMITED
 PLANT -I, Plot No. - M5, M6, Phase - VI
 Adityapur Industrial Area, Gamharua
 Seraikela Kharsawan, Jharkhand

SAMPLING & ANALYSIS DATA	
Sample No.	: RFL/2019/DEC/31
Sample Date	: 31/12/2019
Sample Description	: Noise Monitoring
Sample Drawn By	: USR Enviro
Remark	: _____
Period of Analysis	: Day & Night
Protocol Used for Monitoring & Testing:	IS: 4758/IS: 11446

Industry Situated At: Industrial Area

Source of Sample : Forging Plant

Sample Collected By : Amlesh Krishna & Team

METEOROLOGICAL INFORMATION

1.	Average Temperature (°C)	25
2.	Average Relative Humidity (%)	57.0
3.	Barometric Pressure (mm of Hg)	750
4.	Weather Condition	Clear Day

AMBIENT NOISE QUALITY REPORT

Sl. No.	Location	Monitoring Date	Leq dB(A) Day	Leq dB(A) Night
2.	Forge Section -1	31/12/2019	87.4	74.6
3.	Forge Section -2	31/12/2019	78.5	73.8
4.	Forge Section -3	31/12/2019	88.3	75.0

*EPA-1986, PCLS-02/2010, Factories act [Chapter 104, Section 102(1)] Factories (Noise) Regulation.


NOISE LIMIT AS PER CPCB		
Category of Area/Zone	Leq dB(A) Day Time	Leq dB(A) Night Time
Industrial	75	70
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 USR ENVIRO

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- Preparation of Reports like Social Impact, Assessment, Hazard Analysis and Risk Assessment and Project Report, Mining Plan, Data Collection for EIA/Rapid EIA

Envirotech East Pvt. Limited

An ISO 9001:2015, 14001:2015 & ISO:45001:2018 Company
Laboratory Recognised by Jharkhand State Pollution Control Board

Shop No-6, River View Colony
Near Shiva Nursing Home, Adityapur-1
Jamshedpur, Jharkhand
Pin Code-831013
☎ - +91-9934118316 / 9334619651 / 8541071116
email: eepljamshed@gmail.com

No. 2019-20/EEPL/JSR/502/86

09.01.2020

EFFLUENT WATER ANALYSIS REPORT

Name of Industry	M/s. Ramkrishna Forgings Limited, Plant - I
Address	Plot No. - M5, M6, Phase - VI, Adityapur Industrial Area, Gamharia, Dist. Seraikella-Kharswan
Date of Sampling	02.01.2020
Location of Sampling	Inside Recycled Tank
Sample Collected by	Company Representative

RESULTS OF SAMPLE

SL. No.	Parameters	Unit	Concentration	STANDARD
1	pH	-	7.6	5.5-8.5
2	Total Suspended Solids	mg/l	67.2	100
3	Oil & Grease	mg/l	2.8	10
4	BOD (3 days at 27°C)	mg/l	17.5	30
5	COD	mg/l	160.4	250

For ENVIROTECH EAST (P) LTD.

Head
EEPL, Branch Office
Jamshedpur (Authorised Signatory)
Jharkhand

