

CSR AT RKFL



**RAMKRISHNA
FORGINGS
LIMITED**

RAMKRISHNA FORGINGS LTD.

ENVIRONMENT HEALTH & SAFETY POLICY

Ramkrishna Forgings Limited is committed to protect the environment and health & safety of its employees, contractors, customers, public and other stakeholders by conducting business in a safe and environmentally sustainable manner.

Ramkrishna Forgings Limited will comply with all applicable legal requirements, establish, and implement internal company rules, and management systems to ensure Environment, Health, and Safety (EHS) compliance & continuous performance improvement. The Company will conduct periodic evaluations to monitor EHS compliance and performance at all its businesses worldwide.

Ramkrishna Forgings Limited will integrate principles of resource conservation, pollution prevention, hazard elimination, responsible chemical management at its premises & reduction of risks, EHS stewardship into its business processes, facilities, operations, and products. The company believes in ensuring water quality throughout the operations and zero discharge and its consumption monitoring. The Company will work to foster responsible practices among its suppliers, contractors, and customers.

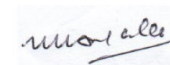
The Company will cooperate with government, industry, academia, and the public in support of regulations, research and programs that address areas of EHS concern.

Ramkrishna Forgings Limited committed towards open communications and dialogue on workplace health, safety and environmental sustainability issues with its employees and stakeholders and will respond to EHS concerns and suggestions. The Company will establish proactive EHS objectives & target and will report publicly on progress and impacts. The company will provide all necessary PPE to its employees and ensure usage of same. The company will also ensure integration of safe ergonomic policies at its workplace.

Activities governed by this Corporate Policy will be conducted in accordance with applicable governmental regulations, related Corporate Directives and Standard Operating Procedures.

Jamshedpur

06/08/2021

A handwritten signature in blue ink, appearing to read 'M P Jalan', is positioned above the printed name.

M P Jalan

(Chairman)



RAMKRISHNA FORGINGS LIMITED

PLANT-V, VILLAGE - BALIGUMA, PO-KOLABIRA, DISTRICT - SARAIKELA-KHARSAWAN, JAMSHEDPUR - 833 220, JHARKHAND, INDIA.

Bureau Veritas Certification Holding SAS - UK Branch certifies that the Management System of the above organization has been audited and found to be in accordance with the requirements of the Management System standards detailed below.

Standards

ISO 14001:2015 & ISO 45001:2018

Scope of certification

MANUFACTURE OF OPEN & CLOSED DIE FORGED, HEAT TREATED, MACHINED, PAINTED CARBON AND ALLOY STEEL COMPONENTS

Original cycle start date For EMS:	11 Decemeber 2015
Original cycle start date For OHSMS:	22 October 2019
Expiry date of previous cycle For EMS:	10 December 2018
Expiry date of previous cycle For OHSMS:	Not Applicable
Recertification Audit date:	21 July 2018
Recertification cycle start date For EMS:	30 October 2018
Recertification cycle start date For OHSMS:	22 October 2019

Subject to the continued satisfactory operation of the organization's Management System, this certificate expires on: **10 December 2021**

Certificate No. **IND18.5908UVE/HS** Version : 2 Revision date: **22 October 2019**


Signed on behalf of BVCH SAS - UK Branch
Jagdish N. MANIAN
Head - CERTIFICATION, South Asia
Commodities, Industry & Facilities Division



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Certification body address: 5th Floor, 66 Prescott Street, London, E7 6HG, United Kingdom
Local office: Bureau Veritas (India) Private Limited (Certification Business), 72 Business Park, Marol Industrial Area, MIDC Cross Road 'C', Andheri (East), Mumbai - 400 093, India.

Further certifications regarding the scope of this certificate and the applicability of the management system requirements may be obtained by consulting the organization.
To check this certificate validity please call +91 22 6274 2000.

No use of fossil fuel for heating



At Ramkrishna Forgings all heating is by Electrically powered Induction heaters.
No Fossil fuel is used anywhere for heating of forgings.



Solar Power at RKFL



910 KW grid connected solar rooftop power plant installed. Total 9400 sq.m area covered by solar plates. We are saving 1150 Tons of CO₂ per year.

6% of plant power consumption is fulfilled by Solar Energy.



Tree Plantation is a core activity



Greenery maintained in and around the plant premises. Till date, we have planted 4080 saplings. In 2020-21 a total of 583 saplings were planted.



Tree Plantation at RKFL Plant V								
Sl No.	Name of Tree	15-16	16-17	17-18	18-19	19-20	20-21	Total
01	Neem Tree	99	110			20	217	446
02	Mehgini Tree	567	550					1117
03	Guava	41		40	40	17		138
04	Blackberry	1		35	10			46
05	Litchi	0		15	10			25
06	Sagwan Tree	145	140				79	364
07	Gul Mohar Tree	313	150			26	47	536
08	Ashok	122	100	15	47	28		312
09	Fycase Tree	0	15					15
10	Aunla Tree	8	9					17
11	Bel	142						142
12	Juhi	84						84
13	Tulsi	303				25		328
14	Bottle Palm	103				26		129
15	FiCosh	30						30
16	Sheesham	9				12	50	71
17	Anar	18						18
18	Papaya	1						1
19	Orhul	8				18		26
20	Karanj	2				19	50	71
21	Lemon	1				12		13
22	Coconut	10						10
23	Mango	1					50	51
24	Chandan						5	5
25	Gamhar						19	19
26	Karam						30	30
27	Minikaranj						26	26
28	Moulasi						10	10
29	Jackfruit							0
30	Orange							0
Total		2008	1074	105	107	203	583	4080

Water Audit Report
Ramkrishna Forgings Ltd, Plant-V, Baliguma (JH)

WATER AUDIT REPORT

As per the guidelines of CGWA

MINISTRY OF JAL SHAKTI

At

Ramkrishna Forgings Ltd.

Plant-V, Vill.: Baliguma, P.O.: Kolabira,
Thana: Saraikela, Dist.: Saraikela - Kharsawan,
Jharkhand - 833220 (India)

Prepared by

Confederation of Indian Industry
CII-Triveni Water Institute



August 2021

Water Audit Report
Ramkrishna Forgings Ltd, Plant-V, Baliguma (JH)

carried out by CII team. This report discusses the water balance and various water saving options derived on the basis of observation made, data collected and their analysis.

Summary of Water Audit findings are presented in the following table shown below:

Proposed Schemes		Water Savings (KLD)	Water Savings (KL/annum)	Cost Saving Lakh/annum
I	Total Water Intake	228		
II	Savings Achievable	38.5	12705	10.8
1	Use Machine Shop Drinking RO reject through a tank in Die washing sheds for cooling of billets	6	1980	1.7
2	Use DM plant RO reject in solar panel washing & heat treatment furnace cooling tank makeup	13	4290	3.8
3	Collection & utilization of moist air condensate water of Air Receiver Units in machine shop as coolant preparation	10	3300	2.9
4	Reduce domestic water consumption in the plant by installing water saving devices	3.5	1155	0.7
5	Increase CoC in Mist cooling tower	6	1980	1.7
Observations				
1	Use of STP and ETP treated water in Open loop cooling tower makeup after passing it through ultrafiltration.			
2	Restrict over gardening & use remaining water into ETP RO and process more permeate water for CT make.			
3	Implement cascading system in paint shop.			

- Water balance across the plant has been successfully achieved.
- Total consumption: 228 KLD (Average consumption April 2020 – March 2021 excluding 35 Days).
- Plant has constructed 06 Nos. rainwater harvesting pit, 02 Nos. rainwater injection well for recharging groundwater and 05 Nos. rainwater underground storage tanks (2x1000 KL + 3x2000 KL = 8000 KL) to collect roof top & surface runoff rainwater for recharging the groundwater and reuse inside the plant.
- Water saving of 38.5 KLD (17%) is achievable.
- In monetary terms ~ Rs. 10.8 Lakh/annum cost savings are achieved.
- Priority areas where immediate savings can be achieved include:

Rain Water Harvesting



Rain water harvesting system installed. Surface rain water and roof top rain water collected through drains/pipelines in an under ground rain water tank - capacity 8000 KL (2x1000 KL & 3x2000 KL). Collected rain water used in plant process.



Corporate Social Responsibility



Rural Health (Medical Camp).



Corporate Social Responsibility - To the needy



Food Grains, Saari, Mask, Sanitizer etc. distributed among nearby villagers during Lockdown. 14 Villages covered (around 4000 families)



Corporate Social Responsibility - Providing Education



Education & Employability Programs (Primary Education).



Corporate Social Responsibility - Youth Empowerment



Training for Local Youth to I.T.I.
Orphan children being given clothes and books by RKFL.



Corporate Social Responsibility - Water and Sanitation for Villagers



Water and sanitation facility among villagers



Women Power at RKFL



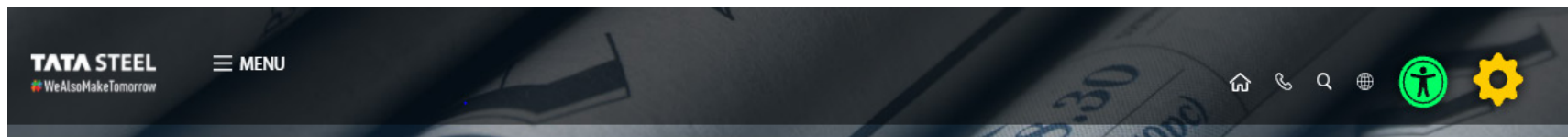
International Women's Day celebrated at RKFL-5.



Sustainability in Steel Procurement



RKFL procures its steel from Tata Steel. Tata Steel is the first steel making company in India to install a carbon capture unit for reuse of generated CO₂ (carbon dioxide)



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Tata Steel commissions India's first plant for CO₂ capture from Blast Furnace gas at Jamshedpur

Jamshedpur, September 14, 2021

~ The 5 tonnes per day (TPD) carbon capture plant along with its semi commercial use within the steel value chain, makes the Tata Steel Jamshedpur plant unique and first-of-its-kind in the world within the steel industry ~

Tata Steel today commissioned a 5 tonnes per day (TPD) carbon capture plant at its Jamshedpur Works, making it the country's first steel company to adopt such a carbon capture technology that extracts CO₂ directly from the Blast Furnace gas. Tata Steel will reuse the captured CO₂ on site to promote the circular carbon economy.

This Carbon Capture and Utilisation (CCU) facility uses amine-based technology and makes the captured carbon available for onsite reuse. The depleted CO₂ gas is sent back to the gas network with increased calorific value. This project has been executed with the technological support from Carbon Clean, a global leader in low-cost CO₂ capture technology.

RKFL is committed to green house gas reduction

RKFL has engaged British standards india for GHG verification

Going forward RKFL wants to set a sustainable benchmark in manufacturing

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