

TEST REPORT

Test Report No.	: ELES/RNC/2024/6506	Report Release Date	: 06.11.2024
Service Order No.	: 4000022144	Service Order Date	: 24.01.2024
ULR No.	: TC135872400004399F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sample Ref. No.	: ELES/RNC/2024/WA/7534
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Location	: Shed-I (6000T)
Plant Status	: Operational	Sampling Date	: 26.10.2024
Period of Analysis	: 28.10.2024 to 06.11.2024	Sample Received Date	: 28.10.2024
		Type of Sample	: Workzone Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION

1	Average Temperature (°C)	: 29	2	Barometric Pressure (mmHg)	: 746
3	Relative Humidity (%)	: 64	4	Weather Condition	: Partly Cloudy
5	Longitude	: 86°0'2.60"E	6	Latitude	: 22°45'37.39"N

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part-23): 2022	67
Suspended Particulate Matter (SPM)	µg/m ³	IS 5182 (Part-4): 2019	150
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part-2/Sec-1): 2023	8.9
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part-6): 2022	25.1
Volatile Organic Compound (as C ₆ H ₆)	µg/m ³	ELES/GC/SOP/06: 2023	<2.5



****End of Report****


Authorised Signatory
Akash Kumar
Quality Manager



ENVIRONMENTAL LABORATORIES &

PLOT NO-30, MANSAROVAR ENCLAVE, TUPUDANA
HATIA, RANCHI-834003 (JHARKHAND)
GST NO:- 20AAECE9713D124

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TEST REPORT

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CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sample Ref. No.	: ELES/RNC/2024/WA/7534
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Location	: Shed-I (6000T)
Plant Status	: Operational	Sampling Date	: 26.10.2024
Period of Analysis	: 28.10.2024 to 06.11.2024	Sample Received Date	: 28.10.2024
		Type of Sample	: Workzone Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C) : 29		2	Barometric Pressure (mmHg) : 746	
3	Relative Humidity (%) : 64		4	Weather Condition : Partly Cloudy	
5	Longitude : 86°0'2.60"E		6	Latitude : 22°45'37.39"N	

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part- 24): 2019	35



****End of Report****


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Quality Manager

TEST REPORT

Test Report No.	: ELES/RNC/2024/6507	Report Release Date	: 06.11.2024
Service Order No.	: 4000022144	Service Order Date	: 24.01.2024
ULR No.	: TC135872400004400F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sample Ref. No.	: ELES/RNC/2024/WA/7535
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Location	: Shed-II (Gear Grinding)
Plant Status	: Operational	Sampling Date	: 26.10.2024
Period of Analysis	: 28.10.2024 to 06.11.2024	Sample Received Date	: 28.10.2024
		Type of Sample	: Workzone Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C) : 29		2	Barometric Pressure (mmHg) : 746	
3	Relative Humidity (%) : 64		4	Weather Condition : Partly Cloudy	
5	Longitude : 86°0'1.30"E		6	Latitude : 22°45'40.72"N	

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part- 23): 2022	82
Suspended Particulate Matter (SPM)	µg/m ³	IS 5182 (Part- 4): 2019	201
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part- II/SecI): 2023	11.7
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part- 6): 2022	28.3
Volatile Organic Compound (as C ₆ H ₆)	µg/m ³	ELES/GC/SOP/06: 2023	<2.5



****End of Report****


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CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sample Ref. No.	: ELES/RNC/2024/WA/7535
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Location	: Shed-II (Gear Grinding)
		Sampling Date	: 26.10.2024
Plant Status	: Operational	Sample Received Date	: 28.10.2024
Period of Analysis	: 28.10.2024 to 06.11.2024	Type of Sample	: Workzone Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C) : 29		2	Barometric Pressure (mmHg) : 746	
3	Relative Humidity (%) : 64		4	Weather Condition : Partly Cloudy	
5	Longitude : 86°0'1.30"E		6	Latitude : 22°45'40.72"N	

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part- 24): 2019	54



****End of Report****


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Quality Manager

TEST REPORT

Test Report No.	: ELES/RNC/2024/6508	Report Release Date	: 06.11.2024
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ULR No.	: TC135872400004401F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sample Ref. No.	: ELES/RNC/2024/WA/7536
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Location	: Shed-III (Shot Blasting)
Plant Status	: Operational	Sampling Date	: 26.10.2024
Period of Analysis	: 28.10.2024 to 06.11.2024	Sample Received Date	: 28.10.2024
		Type of Sample	: Workzone Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C) : 29		2	Barometric Pressure (mmHg) : 746	
3	Relative Humidity (%) : 64		4	Weather Condition : Partly Cloudy	
5	Longitude : 86°0'8.59"E		6	Latitude : 22°45'38.49"N	

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part- 23): 2022	79
Suspended Particulate Matter (SPM)	µg/m ³	IS 5182 (Part- 4): 2019	169
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part- II/Sec1): 2023	10.1
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part- 6): 2022	26.8
Volatile Organic Compound (as C ₆ H ₆)	µg/m ³	ELES/GC/SOP/06: 2023	<2.5



****End of Report****


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CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sample Ref. No.	: ELES/RNC/2024/WA/7536
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Location	: Shed-III (Shot Blasting)
		Sampling Date	: 26.10.2024
Plant Status	: Operational	Sample Received Date	: 28.10.2024
Period of Analysis	: 28.10.2024 to 06.11.2024	Type of Sample	: Workzone Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C) : 29		2	Barometric Pressure (mmHg) : 746	
3	Relative Humidity (%) : 64		4	Weather Condition : Partly Cloudy	
5	Longitude : 86°0'8.59"E		6	Latitude : 22°45'38.49"N	

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part- 24): 2019	47



****End of Report****


Authorised Signatory
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Quality Manager

TEST REPORT

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Service Order No.	: 4000022144	Service Order Date	: 24.01.2024
ULR No.	: TC135872400004402F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sample Ref. No.	: ELES/RNC/2024/WA/7537
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Location	: Shed-IV (Die Shop)
Plant Status	: Operational	Sampling Date	: 26.10.2024
Period of Analysis	: 28.10.2024 to 06.11.2024	Sample Received Date	: 28.10.2024
		Type of Sample	: Workzone Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C) : 29		2	Barometric Pressure (mmHg) : 746	
3	Relative Humidity (%) : 64		4	Weather Condition : Partly Cloudy	
5	Longitude : 86°0'3.08"E		6	Latitude : 22°45'38.06"N	

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM10)	µg/m ³	IS 5182 (Part- 23): 2022	70
Suspended Particulate Matter (SPM)	µg/m ³	IS 5182 (Part- 4): 2019	157
Sulphur Di-Oxide (SO ₂)	µg/m ³	IS 5182 (Part- II/Sec1): 2023	9.3
Nitrogen Di-Oxide (NO ₂)	µg/m ³	IS 5182 (Part- 6): 2022	27.5
Volatile Organic Compound (as C ₆ H ₆)	µg/m ³	ELES/GC/SOP/06: 2023	<2.5



****End of Report****


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CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sample Ref. No.	: ELES/RNC/2024/WA/7537
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Location	: Shed-IV (Die Shop)
		Sampling Date	: 26.10.2024
Plant Status	: Operational	Sample Received Date	: 28.10.2024
Period of Analysis	: 28.10.2024 to 06.11.2024	Type of Sample	: Workzone Air
		Sampling Procedure	: ELES/DOC/SMPL/02
		Sampling Done By	: ELES Pvt. Ltd.
		Sample Condition	: Sealed & Preserved

METEOROLOGICAL INFORMATION					
1	Average Temperature (°C) : 29		2	Barometric Pressure (mmHg) : 746	
3	Relative Humidity (%) : 64		4	Weather Condition : Partly Cloudy	
5	Longitude : 86°0'3.08"E		6	Latitude : 22°45'38.06"N	

Parameter	Unit	Test Protocol	Result
Particulate Matter (PM2.5)	µg/m ³	IS 5182 (Part- 24): 2019	41



****End of Report****


Authorised Signatory
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Quality Manager

TEST REPORT

Test Report No.	: ELES/RNC/2024/6510	Report Release Date	: 06.11.2024
Service Order No.	: 4000022144	Service Order Date	: 24.01.2024
ULR No.	: TC135872400004403F		

CUSTOMER DETAILS		SAMPLE DETAILS	
Customer Name	: M/s Ramkrishna Forgings Limited (Plant -VII)	Sampling Date	: 26.10.2024
Address	: Plot No.- 1988, Mauza- Dugni, Block- Saraikela, Kharsawan-833220, Jharkhand.	Sampling Received Date	: 28.10.2024
Plant Status	: Operational	Type of Sample	: Source Noise (Workzone)
		Sampling Procedure	: ELES/DOC/SMPL/03
		Sampling Done By	: ELES Pvt. Ltd.
		Period of Analysis	: 28.10.2024 to 06.11.2024

Discipline : Chemical			Group : Atmospheric Pollution				
Location	Unit	Test Protocol	Result				Regulatory Limit
Shed-I (2000T)	dB(A)	IS 4758: 2017	Time	L _{Max}	L _{Min}	L _{eq}	90 dB(A)
Sample ID: ELES/RNC/2024/WN/7538			Day Time	88.6	77.9	84	
			Night Time	81.5	68.1	72	
Shed-I (Shot Blasting)	dB(A)	IS 4758: 2017	Time	L _{Max}	L _{Min}	L _{eq}	
Sample ID: ELES/RNC/2024/WN/7539			Day Time	90.1	78.7	88	
			Night Time	85.2	70.9	78	
Shed-II (Bolster Line)	dB(A)	IS 4758: 2017	Time	L _{Max}	L _{Min}	L _{eq}	
Sample ID: ELES/RNC/2024/WN/7540			Day Time	84.5	75.2	81	
			Night Time	80.7	64.3	70	

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Service Order No.	: 4000022144	Service Order Date	: 24.01.2024
ULR No.	: TC135872400004403F		

Discipline : Chemical			Group : Atmospheric Pollution				
Location	Unit	Test Protocol	Result				Regulatory Limit
Shed-III (Bogie Line)	dB(A)	IS 4758: 2017	Time	L _{Max}	L _{Min}	L _{eq}	90 dB(A)
Sample ID: ELES/RNC/2024/WN/7541			Day Time	83.9	74.1	79	
			Night Time	77.1	67.9	69	



****End of Report****


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