Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

SA-1358260217

Report No.:	ME-1358260217	Date: 23.02.2026
ULR No.:	TC748726000004037F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.1	Sample Quantity / Packing	Thimble: 1 X 1 No. SO_2:30 mL X 1 No. PVC Bottle NO_X:25 mL X 1 No. PVC Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 1
Stack attached to	ESP of Boiler Unit No. 1
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	156
Load at the time of monitoring (MW)	270
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Flue gas Temperature	°C	124	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	29.1	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1245403	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	36	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	595	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	281	450	IS 11255 (Part 7): 2005

END OF REPORT

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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TEST REPORT

SA-1358260217

Report No.:	ME-1358260217	Date: 23.02.2026
ULR No.:	TC748726000004037F	

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MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

SA-1358260217

Report No.:	ME-1358260217N	Date: 23.02.2026
ULR No.:	-	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.1	Sample Quantity / Packing	CO: 1L X 1 No. Gas Bladder
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 1
Stack attached to	ESP of Boiler Unit No. 1
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	156
Load at the time of monitoring (MW)	270
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Carbon Monoxide (CO)	mg/Nm^3	17	-	IS 5182 (Part 10): 1999 (NDIR method)

END OF REPORT

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Mahabal Enviro Engineers Pvt. Ltd.

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

SA-1359260217

Report No.:	ME-1359260217	Date: 23.02.2026
ULR No.:	TC748726000004038F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.2	Sample Quantity / Packing	Thimble: 1 X 1 No. SO_2:30 mL X 1 No. PVC Bottle NO_X:25 mL X 1 No. PVC Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 2
Stack attached to	ESP of Boiler Unit No. 2
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	152
Load at the time of monitoring (MW)	270
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Flue gas Temperature	^0C	122	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	29.3	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1260840	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	39	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	567	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	269	450	IS 11255 (Part 7): 2005

END OF REPORT

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

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TEST REPORT

SA-1359260217

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ULR No.:	TC748726000004038F	

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

SA-1359260217

Report No.:	ME-1359260217N	Date: 23.02.2026
ULR No.:	-	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.2	Sample Quantity / Packing	CO: 1L X 1 No. Gas Bladder
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 2
Stack attached to	ESP of Boiler Unit No. 2
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	152
Load at the time of monitoring (MW)	270
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Carbon Monoxide (CO)	mg/Nm^3	14	-	IS 5182 (Part 10): 1999 (NDIR method)

END OF REPORT

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

SA-1360260217

Report No.:	ME-1360260217	Date: 23.02.2026
ULR No.:	TC748726000004039F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.3	Sample Quantity / Packing	Thimble: 1 X 1 No. SO_2:30 mL X 1 No. PVC Bottle NO_X:25 mL X 1 No. PVC Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 3
Stack attached to	ESP of Boiler Unit No. 3
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	150
Load at the time of monitoring (MW)	270
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Flue gas Temperature	°C	120	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	29.6	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1279226	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	38	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	561	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	275	450	IS 11255 (Part 7): 2005

END OF REPORT

Reviewed and authorised by

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Dy.Technical Manager
Chemical Testing

TC-7487

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TEST REPORT

SA-1360260217

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ULR No.:	TC748726000004039F	

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

SA-1360260217

Report No.:	ME-1360260217N	Date: 23.02.2026
ULR No.:	-	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.3	Sample Quantity / Packing	CO: 1L X 1 No. Gas Bladder
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 3
Stack attached to	ESP of Boiler Unit No. 3
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	150
Load at the time of monitoring (MW)	270
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Carbon Monoxide (CO)	mg/Nm^3	16	-	IS 5182 (Part 10): 1999 (NDIR method)

END OF REPORT

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SA-1361260217

TEST REPORT

Report No.:	ME-1361260217	Date: 23.02.2026
ULR No.:	TC748726000004040F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.4	Sample Quantity / Packing	Thimble: 1 X 1 No. SO_2:30 mL X 1 No. PVC Bottle NO_X:25 mL X 1 No. PVC Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 4
Stack attached to	ESP of Boiler Unit No. 4
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	152
Load at the time of monitoring (MW)	270
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Flue gas Temperature	^0C	127	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	29.4	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1249772	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	33	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	578	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	263	450	IS 11255 (Part 7): 2005

END OF REPORT

Reviewed and authorised by

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Chemical Testing

TC-7487

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TEST REPORT

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TEST REPORT

SA-1361260217

Report No.:	ME-1361260217N	Date: 23.02.2026
ULR No.:	-	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.4	Sample Quantity / Packing	CO: 1L X 1 No. Gas Bladder
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 4
Stack attached to	ESP of Boiler Unit No. 4
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	152
Load at the time of monitoring (MW)	270
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Carbon Monoxide (CO)	mg/Nm^3	19	-	IS 5182 (Part 10): 1999 (NDIR method)

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SA-1362260217

TEST REPORT

Report No.:	ME-1362260217	Date: 23.02.2026
ULR No.:	TC748726000004041F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.5	Sample Quantity / Packing	Thimble: 1 X 1 No. SO_2:30 mL X 1 No. PVC Bottle NO_X:25 mL X 1 No. PVC Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 5
Stack attached to	ESP of Boiler Unit No. 5
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	105
Load at the time of monitoring (MW)	178
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Flue gas Temperature	^0C	104	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	28.3	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1275922	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	37	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	408	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	276	450	IS 11255 (Part 7): 2005

END OF REPORT

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Chemical Testing

TC-7487

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SA-1362260217

TEST REPORT

Report No.:	ME-1362260217	Date: 23.02.2026
ULR No.:	TC748726000004041F	

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TEST REPORT

SA-1362260217

Report No.:	ME-1362260217N	Date: 23.02.2026
ULR No.:	-	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Stack Emission	Sampling Done by	Laboratory
Sampling Location	Boiler Unit No.5	Sample Quantity / Packing	CO: 1L X 1 No. Gas Bladder
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	21.02.2026

Stack Details	
Stack Identity	Boiler Unit No. 5
Stack attached to	ESP of Boiler Unit No. 5
Material of construction	M.S.
Stack height above ground level (Meter)	275
Stack diameter (Meter)	4.6
Stack shape at top	Round
Type of fuel	Coal
Fuel Consumption (t/h)	105
Load at the time of monitoring (MW)	178
Time of Monitoring (h)	-

Sr. No.	Parameter	Unit	Result	#Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
1.	Carbon Monoxide (CO)	mg/Nm^3	12	-	IS 5182 (Part 10): 1999 (NDIR method)

END OF REPORT

Note:
1. BQL: Below Quantification Limit
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Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MEEPL

MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

AA-1354260217

Report No.:	ME-1354260217	Date: 26.02.2026
ULR No.:	TC748726000004190F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ambient Air	Sampling Done by	Laboratory
Sampling Location	Village Kapustalni	Sample Quantity / Packing	PM_{10}, B(a), Ni, As, Pb: Filter Paper 1 X 3 No. $PM_{2.5}$: Filter Paper 1 X 1 No. SO_2:30 mL X 6 No. PVC Bottle NO_2:30 mL X 6 No. PVC Bottle NH_3:10 mL X 24 No. PVC Bottle O_3:10 mL X 24 No. PVC Bottle Charcoal Tubes: 1 X 6 No. CO:2L X 3No. Gas Bladder
Date of Sampling	16.02.2026 to 17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1.	Sulphur Dioxide (SO_2)	µg/m³	16.3	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2.	Nitrogen Dioxide (NO_2)	µg/m³	19.5	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
3.	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	63	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
4.	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	28	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
5.	Ozone (O_3)	µg/m³	BQL (LOQ:19.6)	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
6.	Lead (as Pb)	µg/m³	BQL (LOQ:0.02)	01	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999

Reviewed and authorised by

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TC-7487

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TEST REPORT

AA-1354260217

Report No.:	ME-1354260217	Date: 26.02.2026
ULR No.:	TC748726000004190F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7.	Carbon Monoxide (CO)	mg/m^3	0.65	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13 (NDIR method)
8.	Ammonia (NH_3)	$\mu g/m^3$	21.3	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
9.	Benzene (C_6H_6)	$\mu g/m^3$	BQL (LOQ:1)	05	IS 5182 (Part 11): 2006
10.	Benzo(a)Pyrene (Particulate phase only)	ng/m^3	BQL (LOQ:0.5)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
11.	Arsenic (as As)	ng/m^3	BQL (LOQ:0.3)	06	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999
12.	Nickel (as Ni)	ng/m^3	BQL (LOQ:3)	20	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. TWA: Time Weighted Average
4. Duration of Sampling: 24 h
5. NAAQS: National Ambient Air Quality Standard
6. #- NAAQS specified as: 24 h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM_{10}, $PM_{2.5}$, Lead and Ammonia; 1 h. TWA in case of Carbon Monoxide, Ozone; Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.
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TEST REPORT

AA-1355260217

Report No.:	ME-1355260217	Date: 26.02.2026
ULR No.:	TC748726000004191F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ambient Air	Sampling Done by	Laboratory
Sampling Location	Village Dawargaon	Sample Quantity / Packing	PM_{10}, B(a), Ni, As, Pb: Filter Paper 1 X 3 No. $PM_{2.5}$: Filter Paper 1 X 1 No. SO_2:30 mL X 6 No. PVC Bottle NO_2:30 mL X 6 No. PVC Bottle NH_3:10 mL X 24 No. PVC Bottle O_3:10 mL X 24 No. PVC Bottle Charcoal Tubes: 1 X 6 No. CO:2L X 3No. Gas Bladder
Date of Sampling	16.02.2026 to 17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1.	Sulphur Dioxide (SO_2)	µg/m³	17.5	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2.	Nitrogen Dioxide (NO_2)	µg/m³	20.7	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
3.	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	71	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
4.	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	31	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
5.	Ozone (O_3)	µg/m³	BQL (LOQ:19.6)	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
6.	Lead (as Pb)	µg/m³	BQL (LOQ:0.02)	01	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999

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TEST REPORT

AA-1355260217

Report No.:	ME-1355260217	Date: 26.02.2026
ULR No.:	TC748726000004191F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7.	Carbon Monoxide (CO)	mg/m^3	0.93	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13 (NDIR method)
8.	Ammonia (NH_3)	$\mu g/m^3$	BQL (LOQ:20)	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
9.	Benzene (C_6H_6)	$\mu g/m^3$	BQL (LOQ:1)	05	IS 5182 (Part 11): 2006
10.	Benzo(a)Pyrene (Particulate phase only)	ng/m^3	BQL (LOQ:0.5)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
11.	Arsenic (as As)	ng/m^3	BQL (LOQ:0.3)	06	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999
12.	Nickel (as Ni)	ng/m^3	BQL (LOQ:3)	20	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. TWA: Time Weighted Average
4. Duration of Sampling: 24 h
5. NAAQS: National Ambient Air Quality Standard
6. #- NAAQS specified as: 24 h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM_{10}, $PM_{2.5}$, Lead and Ammonia; 1 h. TWA in case of Carbon Monoxide, Ozone; Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.
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TEST REPORT

AA-1356260217

Report No.:	ME-1356260217	Date: 26.02.2026
ULR No.:	TC748726000004192F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ambient Air	Sampling Done by	Laboratory
Sampling Location	Village Wagholi Gate	Sample Quantity / Packing	PM_{10}, B(a), Ni, As, Pb: Filter Paper 1 X 3 No. $PM_{2.5}$: Filter Paper 1 X 1 No. SO_2:30 mL X 6 No. PVC Bottle NO_2:30 mL X 6 No. PVC Bottle NH_3:10 mL X 24 No. PVC Bottle O_3:10 mL X 24 No. PVC Bottle Charcoal Tubes: 1 X 6 No. CO:2L X 3No. Gas Bladder
Date of Sampling	16.02.2026 to 17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1.	Sulphur Dioxide (SO_2)	µg/m³	12.3	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2.	Nitrogen Dioxide (NO_2)	µg/m³	17.2	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
3.	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	79	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
4.	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	37	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
5.	Ozone (O_3)	µg/m³	BQL (LOQ:19.6)	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
6.	Lead (as Pb)	µg/m³	BQL (LOQ:0.02)	01	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999

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TC-7487

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

AA-1356260217

Report No.:	ME-1356260217	Date: 26.02.2026
ULR No.:	TC748726000004192F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7.	Carbon Monoxide (CO)	mg/m^3	0.66	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13 (NDIR method)
8.	Ammonia (NH_3)	$\mu g/m^3$	22.1	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
9.	Benzene (C_6H_6)	$\mu g/m^3$	BQL (LOQ:1)	05	IS 5182 (Part 11): 2006
10.	Benzo(a)Pyrene (Particulate phase only)	ng/m^3	BQL (LOQ:0.5)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
11.	Arsenic (as As)	ng/m^3	BQL (LOQ:0.3)	06	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999
12.	Nickel (as Ni)	ng/m^3	BQL (LOQ:3)	20	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. TWA: Time Weighted Average
4. Duration of Sampling: 24 h
5. NAAQS: National Ambient Air Quality Standard
6. #- NAAQS specified as: 24 h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM_{10}, $PM_{2.5}$, Lead and Ammonia; 1 h. TWA in case of Carbon Monoxide, Ozone; Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.
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TEST REPORT

AA-1357260217

Report No.:	ME-1357260217	Date: 26.02.2026
ULR No.:	TC748726000004193F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ambient Air	Sampling Done by	Laboratory
Sampling Location	Terrace of Bachelor Guest House	Sample Quantity / Packing	PM_{10}, B(a), Ni, As, Pb: Filter Paper 1 X 3 No. $PM_{2.5}$: Filter Paper 1 X 1 No. SO_2:30 mL X 6 No. PVC Bottle NO_2:30 mL X 6 No. PVC Bottle NH_3:10 mL X 24 No. PVC Bottle O_3:10 mL X 24 No. PVC Bottle Charcoal Tubes: 1 X 6 No. CO:2L X 3No. Gas Bladder
Date of Sampling	16.02.2026 to 17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1.	Sulphur Dioxide (SO_2)	µg/m³	15.5	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2.	Nitrogen Dioxide (NO_2)	µg/m³	19.3	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
3.	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	76	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
4.	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	32	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
5.	Ozone (O_3)	µg/m³	23.1	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
6.	Lead (as Pb)	µg/m³	BQL (LOQ:0.02)	01	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999

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TC-7487

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

AA-1357260217

Report No.:	ME-1357260217	Date: 26.02.2026
ULR No.:	TC748726000004193F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7.	Carbon Monoxide (CO)	mg/m^3	0.71	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13 (NDIR method)
8.	Ammonia (NH_3)	$\mu g/m^3$	BQL (LOQ:20)	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
9.	Benzene (C_6H_6)	$\mu g/m^3$	BQL (LOQ:1)	05	IS 5182 (Part 11): 2006
10.	Benzo(a)Pyrene (Particulate phase only)	ng/m^3	BQL (LOQ:0.5)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
11.	Arsenic (as As)	ng/m^3	0.32	06	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999
12.	Nickel (as Ni)	ng/m^3	BQL (LOQ:3)	20	USEPA/625/R-96/010a Compendium Method IO-3.1 & 3.4: 1999

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. TWA: Time Weighted Average
4. Duration of Sampling: 24 h
5. NAAQS: National Ambient Air Quality Standard
6. #- NAAQS specified as: 24 h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM_{10}, $PM_{2.5}$, Lead and Ammonia; 1 h. TWA in case of Carbon Monoxide, Ozone; Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.
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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

WNA-1363260217

Report No.:	ME-1363260217	Date: 23.02.2026
ULR No.:	TC748726000004042F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**	SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Workroom Noise	
Date of Sampling	16.02.2026	
Sampling Procedure	CPCB Protocol for Ambient level Noise Monitoring 2015	

Sr. No.	Location	Time in h	Sound Level L_{eq} dB (A)	
			L_{min}	L_{max}
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Workroom Noise)			
1.	Turbine Area No. 3 & 4	10:05 to 10:10	67.6	72.4
2.	Near CHP Crusher House	10:40 to 10:45	64.2	69.5
3.	Near Compressor Room	11:10 to 11:15	61.9	70.1
4.	Near Main Gate	11:40 to 11:45	62.3	67.8
5.	Near Colony	12:20 to 12:25	55.4	60.8

Limit as per The Factories Act, 1948, The Maharashtra Factory Rules, 1963, Schedule XXIV	
Total time of exposure per day, in hours.	**Max. Sound pressure level in dB (A)**
8	90
6	92
4	95
3	97
2	100
1 ½	102
1	105
¾	107
½	110
¼	115

END OF REPORT

Note:
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TEST REPORT

DE-1374260217

Report No.:	ME-1374260217	Date: 26.02.2026
ULR No.:	TC748726000004204F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Domestic Effluent	Sampling Done by	Laboratory
Sampling Location	Colony STP Outlet	Sample Quantity / Packing	2 L X 1 No. PVC Can 250mL X 1 No. PVC Can
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	# Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1.	pH (at 25°C)	-	8.4	6.5 to 8.5	APHA 24th Ed. 2023, 4500-H^+-B
2.	Biochemical Oxygen Demand (3 days 27°C)	mg/L	12	30 Max.	IS 3025 (Part 44):2023
3.	Chemical Oxygen Demand	mg/L	40	250 Max.	APHA 24th Ed. 2023, 5220-B

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. #: Limit as per MPCB Consent.
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Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

SW-1364260217

TEST REPORT

Report No.:	ME-1364260217	Date: 26.02.2026
ULR No.:	TC748726000004194F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Surface water	Sampling Done by	Laboratory
Sampling Location	Wagholi Pond	Sample Quantity / Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Surface Water)			
1.	Colour	Hazen	BQL (LOQ:1)	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	0.3	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.9	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	606	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	BQL (LOQ:5)	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	198	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	414	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	82.0	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	188	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	1.12	APHA 24th Ed. 2023,4500-NO_3, E
13.	Calcium (as Ca)	mg/L	89.8	APHA 24th Ed. 2023, 3500-Ca-B
14.	Magnesium (as Mg)	mg/L	46.2	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.69	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.3	APHA 24th Ed. 2023, 4500-O, B & C

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

Report No.:	ME-1364260217	Date: 26.02.2026
ULR No.:	TC748726000004194F	

Sr. No.	Parameter	Unit	Result	Method Reference
17.	Oil and Grease	mg/L	BQL (LOQ:1)	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water			
20.	Boron (as B)	mg/L	0.035	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.183	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.076	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
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SW-1365260217

TEST REPORT

Report No.:	ME-1365260217	Date: 26.02.2026
ULR No.:	TC748726000004195F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Surface water	Sampling Done by	Laboratory
Sampling Location	Malegaon Pond	Sample Quantity / Packing	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Surface Water)			
1.	Colour	Hazen	BQL (LOQ:1)	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	0.3	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.6	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	602	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	BQL (LOQ:5)	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	190	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	410	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	86.0	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	186	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	1.53	APHA 24th Ed. 2023,4500-NO_3, E
13.	Calcium (as Ca)	mg/L	92.2	APHA 24th Ed. 2023, 3500-Ca-B
14.	Magnesium (as Mg)	mg/L	43.7	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.68	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.0	APHA 24th Ed. 2023, 4500-O, B & C

Reviewed and authorised by

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SW-1365260217

TEST REPORT

Report No.:	ME-1365260217	Date: 26.02.2026
ULR No.:	TC748726000004195F	

Sr. No.	Parameter	Unit	Result	Method Reference
17.	Oil and Grease	mg/L	BQL (LOQ:1)	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water			
20.	Boron (as B)	mg/L	0.048	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.180	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.079	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	IS 3025 (Part 2) 2019

END OF REPORT

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QF/SALE/02
Issue No 03
Date 05.12.2019.
Amd 03 Date
18.07.2023

Mahabal Enviro Engineers Pvt. Ltd.

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TEST REPORT

GW-1366260217

Report No.:	ME-1366260217	Date: 26.02.2026
ULR No.:	TC748726000004196F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ground water	Sampling Done by	Laboratory
Sampling Location	Village Wagholi	Sample Quantity / Packing	3L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Ground Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	0.4	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.6	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	678	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	BQL (LOQ:5)	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	208	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	468	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	72.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	252	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	9.35	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	109	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

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TEST REPORT

GW-1366260217

Report No.:	ME-1366260217	Date: 26.02.2026
ULR No.:	TC748726000004196F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	47.6	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.72	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.5	-	-	APHA 24th Ed. 2023, 4500-O, B & C
17.	Oil and Grease	mg/L	BQL (LOQ:1)	-	-	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water					
20.	Boron (as B)	mg/L	BQL (LOQ:0.02)	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.281	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.059	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	0.015	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. # Acceptable Limit as per IS 10500:2012
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TEST REPORT

GW-1367260217

Report No.:	ME-1367260217	Date: 26.02.2026
ULR No.:	TC748726000004197F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ground water	Sampling Done by	Laboratory
Sampling Location	Village Kapustalni	Sample Quantity / Packing	3L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Ground Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	0.2	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.7	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	436	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	BQL (LOQ:5)	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	240	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	340	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	38.5	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	34.6	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.1	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	77.8	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

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TEST REPORT

GW-1367260217

Report No.:	ME-1367260217	Date: 26.02.2026
ULR No.:	TC748726000004197F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	47.1	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.69	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.3	-	-	APHA 24th Ed. 2023, 4500-O, B & C
17.	Oil and Grease	mg/L	BQL (LOQ:1)	-	-	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water					
20.	Boron (as B)	mg/L	BQL (LOQ:0.02)	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.219	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.010	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	0.033	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. # Acceptable Limit as per IS 10500:2012
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TC-7487

QF/SALE/02
Issue No 03
Date 05.12.2019.
Amd 03 Date 18.07.2023

Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

GW-1368260217

Report No.:	ME-1368260217	Date: 26.02.2026
ULR No.:	TC748726000004198F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ground water	Sampling Done by	Laboratory
Sampling Location	Village Talkhanda	Sample Quantity / Packing	3L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Ground Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	0.3	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.5	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	471	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	BQL (LOQ:5)	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	260	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	364	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	36.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	50.0	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.1	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	77.8	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

GW-1368260217

Report No.:	ME-1368260217	Date: 26.02.2026
ULR No.:	TC748726000004198F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	41.3	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.62	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.2	-	-	APHA 24th Ed. 2023, 4500-O, B & C
17.	Oil and Grease	mg/L	BQL (LOQ:1)	-	-	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water					
20.	Boron (as B)	mg/L	BQL (LOQ:0.02)	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.133	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. # Acceptable Limit as per IS 10500:2012
4. $ Permissible Limit in the Absence of Alternate Source as per IS 10500:2012
5. The result listed refers only to the tested sample(s) and applicable parameter(s).
6. This report is not to be reproduced except in full, without the written approval of the laboratory.
7. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

GW-1369260217

Report No.:	ME-1369260217	Date: 26.02.2026
ULR No.:	TC748726000004199F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ground water	Sampling Done by	Laboratory
Sampling Location	Village Pimpalvihirgaon	Sample Quantity / Packing	3L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Ground Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	0.3	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.1	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	495	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	BQL (LOQ:5)	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	280	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	370	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	35.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	54.6	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.5	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	78.6	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

GW-1369260217

Report No.:	ME-1369260217	Date: 26.02.2026
ULR No.:	TC748726000004199F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	42.3	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.52	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.2	-	-	APHA 24th Ed. 2023, 4500-O, B & C
17.	Oil and Grease	mg/L	BQL (LOQ:1)	-	-	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water					
20.	Boron (as B)	mg/L	BQL (LOQ:0.02)	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.146	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. # Acceptable Limit as per IS 10500:2012
4. $ Permissible Limit in the Absence of Alternate Source as per IS 10500:2012
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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

GW-1370260217

Report No.:	ME-1370260217	Date: 26.02.2026
ULR No.:	TC748726000004200F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ground water	Sampling Done by	Laboratory
Sampling Location	Village Digargaon	Sample Quantity / Packing	3L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Ground Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	0.2	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.0	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	502	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	BQL (LOQ:5)	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	276	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	374	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	40.5	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	48.4	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.5	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	81.8	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

GW-1370260217

Report No.:	ME-1370260217	Date: 26.02.2026
ULR No.:	TC748726000004200F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	41.3	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.62	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.3	-	-	APHA 24th Ed. 2023, 4500-O, B & C
17.	Oil and Grease	mg/L	BQL (LOQ:1)	-	-	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water					
20.	Boron (as B)	mg/L	BQL (LOQ:0.02)	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.316	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	0.010	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. # Acceptable Limit as per IS 10500:2012
4. $ Permissible Limit in the Absence of Alternate Source as per IS 10500:2012
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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

GW-1371260217

Report No.:	ME-1371260217	Date: 26.02.2026
ULR No.:	TC748726000004201F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ground water	Sampling Done by	Laboratory
Sampling Location	Backside of Ash Dyke Area Mr.N Lomte Farm	Sample Quantity / Packing	3L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	17.02.2026	Date of Receipt of Sample	17.02.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	17.02.2026	Date of Completion of Analysis	26.02.2026

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Ground Water)					
1.	Colour	Hazen	BQL (LOQ:1)	5 Max.	15 Max.	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	0.3	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.0	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	490	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	BQL (LOQ:5)	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	280	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	380	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	31.5	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	46.8	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.1	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	78.6	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

TEST REPORT

GW-1371260217

Report No.:	ME-1371260217	Date: 26.02.2026
ULR No.:	TC748726000004201F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	44.7	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.53	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.3	-	-	APHA 24th Ed. 2023, 4500-O, B & C
17.	Oil and Grease	mg/L	BQL (LOQ:1)	-	-	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water					
20.	Boron (as B)	mg/L	0.035	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.486	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

Note:
1. BQL: Below Quantification Limit.
2. LOQ: Limit of Quantification.
3. # Acceptable Limit as per IS 10500:2012
4. $ Permissible Limit in the Absence of Alternate Source as per IS 10500:2012
5. The result listed refers only to the tested sample(s) and applicable parameter(s).
6. This report is not to be reproduced except in full, without the written approval of the laboratory.
7. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

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