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-1802250725

Report No.:	ME-1802250725	Date: 31.07.2025
ULR No.:	TC748725000014209F	

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 CO: 1L X 1 No. Gas Bladder
Date of Sampling	23.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	28.07.2025

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)	175
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	131	-	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	1219788	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	32	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	516	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	272	450	IS 11255 (Part 7): 2005
7.	Carbon Monoxide (CO)	mg/Nm^3	15	-	IS 5182 (Part 10): 1999 (NDIR method)

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-1802250725

Report No.:	ME-1802250725	Date: 31.07.2025
ULR No.:	TC748725000014209F	

END OF REPORT

Note:
1. BQL: Below Quantification Limit
2. LOQ: Limit of Quantification
3. #: Limit as per MPCB Consent
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MAHABAL ENVIRO ENGINEERS P.LTD. Laboratory Division

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

TEST REPORT

SA-1803250725

Report No.:	ME-1803250725	Date: 31.07.2025
ULR No.:	TC748725000014210F	

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 CO: 1L X 1 No. Gas Bladder
Date of Sampling	23.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	28.07.2025

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)	195
Load at the time of monitoring (MW)	267
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	140	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	30.1	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1206784	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	34	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	579	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	289	450	IS 11255 (Part 7): 2005
7.	Carbon Monoxide (CO)	mg/Nm^3	17	-	IS 5182 (Part 10): 1999 (NDIR method)

Reviewed and authorised by

Sagar Yeul
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Chemical Testing

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

TEST REPORT

SA-1803250725

Report No.:	ME-1803250725	Date: 31.07.2025
ULR No.:	TC748725000014210F	

END OF REPORT

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

TEST REPORT

SA-1804250725

Report No.:	ME-1804250725	Date: 31.07.2025
ULR No.:	TC748725000014211F	

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 CO: 1L X 1 No. Gas Bladder
Date of Sampling	23.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	28.07.2025

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)	196
Load at the time of monitoring (MW)	266
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	125	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	28.8	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1227833	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	35	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	573	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	279	450	IS 11255 (Part 7): 2005
7.	Carbon Monoxide (CO)	mg/Nm^3	18	-	IS 5182 (Part 10): 1999 (NDIR method)

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TEST REPORT

SA-1804250725

Report No.:	ME-1804250725	Date: 31.07.2025
ULR No.:	TC748725000014211F	

END OF REPORT

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TEST REPORT

SA-1805250725

Report No.:	ME-1805250725	Date: 31.07.2025
ULR No.:	TC748725000014212F	

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 CO: 1L X 1 No. Gas Bladder
Date of Sampling	23.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	28.07.2025

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)	181
Load at the time of monitoring (MW)	254
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	129	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	28.8	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1198973	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	32	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	545	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	260	450	IS 11255 (Part 7): 2005
7.	Carbon Monoxide (CO)	mg/Nm^3	16	-	IS 5182 (Part 10): 1999 (NDIR method)

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SA-1805250725

TEST REPORT

Report No.:	ME-1805250725	Date: 31.07.2025
ULR No.:	TC748725000014212F	

END OF REPORT

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

TEST REPORT

AA-1798250725

Report No.:	ME-1798250725	Date: 02.08.2025
ULR No.:	TC748725000014324F	

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	23.07.2025 to 24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	02.08.2025

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO_2)	µg/m³	14.7	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO_2)	µg/m³	16.8	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	58	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	20	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Ozone (O_3)	µg/m³	BQL (LOQ:19.6)	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34

Reviewed and authorised by

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TEST REPORT

AA-1798250725

Report No.:	ME-1798250725	Date: 02.08.2025
ULR No.:	TC748725000014324F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
6	Lead (as Pb)	µg/m³	BQL (LOQ:0.02)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
7	Carbon Monoxide (CO)	mg/m³	0.88	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)
8	Ammonia (NH_3)	µg/m³	BQL (LOQ:20)	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
9	Benzene (C_6H_6)	µg/m³	BQL (LOQ:1)	05	IS 5182 (Part 11): 2006
10	Benzo(a)Pyrene (Particulate phase only)	ng/m³	BQL (LOQ:0.5)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
11	Arsenic (as As)	ng/m³	BQL (LOQ:0.3)	06	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
12	Nickel (as Ni)	ng/m³	4.20	20	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55

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-1799250725

Report No.:	ME-1799250725	Date: 02.08.2025
ULR No.:	TC748725000014325F	

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	23.07.2025 to 24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	02.08.2025

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO_2)	µg/m³	10.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO_2)	µg/m³	13.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	65	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	23	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Ozone (O_3)	µg/m³	21.0	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34

Reviewed and authorised by

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Chemical Testing

TC-7487

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TEST REPORT

AA-1799250725

Report No.:	ME-1799250725	Date: 02.08.2025
ULR No.:	TC748725000014325F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
6	Lead (as Pb)	µg/m³	BQL (LOQ:0.02)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
7	Carbon Monoxide (CO)	mg/m³	0.94	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)
8	Ammonia (NH_3)	µg/m³	23.5	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
9	Benzene (C_6H_6)	µg/m³	BQL (LOQ:1)	05	IS 5182 (Part 11): 2006
10	Benzo(a)Pyrene (Particulate phase only)	ng/m³	BQL (LOQ:0.5)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
11	Arsenic (as As)	ng/m³	BQL (LOQ:0.3)	06	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
12	Nickel (as Ni)	ng/m³	3.44	20	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55

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

AA-1800250725

Report No.:	ME-1800250725	Date: 02.08.2025
ULR No.:	TC748725000014326F	

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	Near 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	23.07.2025 to 24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	02.08.2025

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, Page No.1-6
2	Nitrogen Dioxide (NO_2)	µg/m³	15.5	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	48	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	17	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Ozone (O_3)	µg/m³	21.3	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34

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

AA-1800250725

Report No.:	ME-1800250725	Date: 02.08.2025
ULR No.:	TC748725000014326F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
6	Lead (as Pb)	µg/m³	BQL (LOQ:0.02)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
7	Carbon Monoxide (CO)	mg/m³	0.69	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)
8	Ammonia (NH_3)	µg/m³	BQL (LOQ:20)	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
9	Benzene (C_6H_6)	µg/m³	BQL (LOQ:1)	05	IS 5182 (Part 11): 2006
10	Benzo(a)Pyrene (Particulate phase only)	ng/m³	BQL (LOQ:0.5)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
11	Arsenic (as As)	ng/m³	BQL (LOQ:0.3)	06	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
12	Nickel (as Ni)	ng/m³	BQL (LOQ:3)	20	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55

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.
7. The result listed refers only to the tested sample(s) and applicable parameter(s).
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TEST REPORT

AA-1801250725

Report No.:	ME-1801250725	Date: 02.08.2025
ULR No.:	TC748725000014327F	

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	23.07.2025 to 24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	02.08.2025

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO_2)	µg/m³	13.6	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
2	Nitrogen Dioxide (NO_2)	µg/m³	16.0	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
3	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	54	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
4	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	19	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
5	Ozone (O_3)	µg/m³	20.8	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34

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TEST REPORT

AA-1801250725

Report No.:	ME-1801250725	Date: 02.08.2025
ULR No.:	TC748725000014327F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
6	Lead (as Pb)	µg/m³	BQL (LOQ:0.02)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
7	Carbon Monoxide (CO)	mg/m³	0.81	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13, Page No. 16-22, (NDIR method)
8	Ammonia (NH_3)	µg/m³	21.4	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
9	Benzene (C_6H_6)	µg/m³	BQL (LOQ:1)	05	IS 5182 (Part 11): 2006
10	Benzo(a)Pyrene (Particulate phase only)	ng/m³	BQL (LOQ:0.5)	01	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
11	Arsenic (as As)	ng/m³	BQL (LOQ:0.3)	06	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
12	Nickel (as Ni)	ng/m³	BQL (LOQ:3)	20	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55

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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MEEPL

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TEST REPORT

WNA-1806250725

Report No.:	ME-1806250725	Date: 31.07.2025
ULR No.:	TC748725000014213F	

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	24.07.2025	
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	11:00 to 11:05	66.4	70.5
2.	Near CHP Crusher House	11:30 to 11:35	61.7	68.9
3.	Near Compressor Room	10:00 to 10:05	64.5	69.7
4.	Near Main Gate	10:30 to 10:35	59.7	64.3
5.	Near Colony	09:30 to 09:35	56.7	60.5

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

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

WNA-1806250725

Report No.:	ME-1806250725	Date: 31.07.2025
ULR No.:	TC748725000014213F	

Note:
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TEST REPORT

DE-1821250725

Report No.:	ME-1821250725	Date: 04.08.2025
ULR No.:	TC748725000014380F	

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	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

Sr. No.	Parameter	Unit	Result	# Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1.	pH	-	8.3	6.5 to 8.5	APHA 24th Ed. 2023, 4500-H^+-B
2.	Biochemical Oxygen Demand (3 days 27°C)	mg/L	10	30 Max.	IS 3025 (Part 44):2023
3.	Chemical Oxygen Demand	mg/L	36	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.
4. The result listed refers only to the tested sample(s) and applicable parameter(s).
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TEST REPORT

SW-1807250725

Report No.:	ME-1807250725	Date: 04.08.2025
ULR No.:	TC748725000014366F	

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	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Surface Water)			
1.	Colour	Hazen	10	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	1.8	APHA 24th Ed. 2023, 2130-B
4.	pH	-	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	mg/L	662	IS 3025 (Part 16):2023
7.	Total Suspended Solids	mg/L	19	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	124	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	432	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	102	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	276	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	1.08	APHA 24th Ed. 2023,4500-NO_3, E
13.	Calcium (as Ca)	mg/L	112	APHA 24th Ed. 2023, 3500-Ca-B
14.	Magnesium (as Mg)	mg/L	36.9	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	6.1	APHA 24th Ed. 2023, 4500-O, B & C
17.	Oil and Grease	mg/L	BQL (LOQ:1)	IS 3025 (Part 39): 2021

Reviewed and authorised by

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TC-7487

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TEST REPORT

SW-1807250725

Report No.:	ME-1807250725	Date: 04.08.2025
ULR No.:	TC748725000014366F	

Sr. No.	Parameter	Unit	Result	Method Reference
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	0.125	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.331	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.096	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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TEST REPORT

SW-1808250725

Report No.:	ME-1808250725	Date: 04.08.2025
ULR No.:	TC748725000014367F	

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	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

Sr. No.	Parameter	Unit	Result	Method Reference
	Discipline: Chemical Testing; Product Group: Water (Surface Water)			
1.	Colour	Hazen	10	APHA 24th Ed. 2023, 2120-B
2.	Odour	-	Agreeable	IS 3025 (Part 05):2018
3.	Turbidity	NTU	6.8	APHA 24th Ed. 2023, 2130-B
4.	pH	-	8.0	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	mg/L	615	IS 3025 (Part 16):2023
7.	Total Suspended Solids	mg/L	12	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	132	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	392	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	101	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	235	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	1.50	APHA 24th Ed. 2023,4500-NO_3, E
13.	Calcium (as Ca)	mg/L	105	APHA 24th Ed. 2023, 3500-Ca-B
14.	Magnesium (as Mg)	mg/L	31.6	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.84	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

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Chemical Testing

TC-7487

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TEST REPORT

GW-1809250725

Report No.:	ME-1809250725	Date: 04.08.2025
ULR No.:	TC748725000014368F	

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	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS:17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

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	15.4	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH	-	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	mg/L	758	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids	mg/L	27	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	118	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	588	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	103	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	336	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	12.1	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	176	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

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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-1809250725

Report No.:	ME-1809250725	Date: 04.08.2025
ULR No.:	TC748725000014368F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	35.9	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.73	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.4	-	-	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	0.078	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	0.028	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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Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
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MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

GW-1810250725

Report No.:	ME-1810250725	Date: 04.08.2025
ULR No.:	TC748725000014369F	

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	Well Water Backside of Ash Dyke area Mr.Narayan Lomte Farm	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	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS:17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

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	14.9	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH	-	7.3	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	mg/L	432	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids	mg/L	25	-	-	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	348	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	22.5	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	31.2	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	29.0	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	120	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

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TC-7487

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

TEST REPORT

GW-1810250725

Report No.:	ME-1810250725	Date: 04.08.2025
ULR No.:	TC748725000014369F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	11.7	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.67	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	0.034	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.557	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
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TEST REPORT

GW-1811250725

Report No.:	ME-1811250725	Date: 04.08.2025
ULR No.:	TC748725000014370F	

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	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS:17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

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	7.2	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH	-	7.3	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	mg/L	491	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids	mg/L	18	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	304	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	388	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	23.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	30.9	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	29.8	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	105	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

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TC-7487

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TEST REPORT

GW-1811250725

Report No.:	ME-1811250725	Date: 04.08.2025
ULR No.:	TC748725000014370F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	30.6	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.61	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	0.024	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.076	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.
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TEST REPORT

GW-1812250725

Report No.:	ME-1812250725	Date: 04.08.2025
ULR No.:	TC748725000014371F	

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	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS:17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

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	13.9	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH	-	7.4	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	mg/L	495	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids	mg/L	23	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	302	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	384	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	23.5	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	32.1	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	30.1	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	119	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

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Dy.Technical Manager
Chemical Testing

TC-7487

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TEST REPORT

GW-1812250725

Report No.:	ME-1812250725	Date: 04.08.2025
ULR No.:	TC748725000014371F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	21.4	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	6.6	-	-	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	0.038	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.083	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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TEST REPORT

GW-1813250725

Report No.:	ME-1813250725	Date: 04.08.2025
ULR No.:	TC748725000014372F	

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	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS:17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

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	3.8	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH	-	7.3	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	mg/L	895	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids	mg/L	7	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	390	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	652	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	145	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	104	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	212	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-1813250725

Report No.:	ME-1813250725	Date: 04.08.2025
ULR No.:	TC748725000014372F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	30.1	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.63	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	0.083	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.084	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	0.013	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
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MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

GW-1814250725

Report No.:	ME-1814250725	Date: 04.08.2025
ULR No.:	TC748725000014373F	

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	2L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	24.07.2025	Date of Receipt of Sample	25.07.2025
Sampling Procedure	IS:17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	25.07.2025	Date of Completion of Analysis	04.08.2025

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	7.2	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH	-	7.3	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	mg/L	492	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids	mg/L	13	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	312	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	400	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	24.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	31.4	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	29.7	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	124	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

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Dy.Technical Manager
Chemical Testing

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TEST REPORT

GW-1814250725

Report No.:	ME-1814250725	Date: 04.08.2025
ULR No.:	TC748725000014373F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	21.9	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.51	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	0.073	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	0.027	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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