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-1854260619

Report No.:	ME-1854260619	Date: 25.06.2026
ULR No.:	TC748726000013528F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	150
Load at the time of monitoring (MW)	240
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	28.3	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1213264	-	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	522	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	255	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.

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-1854260619

Report No.:	ME-1854260619N	Date: 25.06.2026
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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	150
Load at the time of monitoring (MW)	240
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/Nm³	16	-	IS 5182 (Part 10): 1999 (NDIR method)

END OF REPORT

Note:
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Reviewed and authorised by

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Dy.Technical Manager
Chemical Testing

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Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

SA-1855260619

Report No.:	ME-1855260619	Date: 25.06.2026
ULR No.:	TC748726000013529F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	160
Load at the time of monitoring (MW)	261
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	28.4	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1210046	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	40	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	522	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	271	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-1855260619

Report No.:	ME-1855260619	Date: 25.06.2026
ULR No.:	TC748726000013529F	

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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-1855260619

Report No.:	ME-1855260619N	Date: 25.06.2026
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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	160
Load at the time of monitoring (MW)	261
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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Dy.Technical Manager
Chemical Testing

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Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

SA-1856260619

Report No.:	ME-1856260619	Date: 25.06.2026
ULR No.:	TC748726000013530F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	162
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	124	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	29.2	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1245990	-	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	538	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	249	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

Report No.:	ME-1856260619	Date: 25.06.2026
ULR No.:	TC748726000013530F	

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

TEST REPORT

Report No.:	ME-1856260619N	Date: 25.06.2026
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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	162
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.	Carbon Monoxide (CO)	mg/Nm^3	14	-	IS 5182 (Part 10): 1999 (NDIR method)

END OF REPORT

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

TEST REPORT

SA-1857260619

Report No.:	ME-1857260619	Date: 25.06.2026
ULR No.:	TC748726000013531F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	155
Load at the time of monitoring (MW)	269
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	134	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	29.8	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1240985	-	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	532	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	267	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.

PLOT NOS. 13,14,17,18, GRAMPANCHAYAT BOKHARA, CHHINDWARA ROAD, KORADI, NAGPUR, MAHARASHTRA, INDIA
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TEST REPORT

SA-1857260619

Report No.:	ME-1857260619	Date: 25.06.2026
ULR No.:	TC748726000013531F	

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TC-7487

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TEST REPORT

SA-1857260619

Report No.:	ME-1857260619N	Date: 25.06.2026
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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	155
Load at the time of monitoring (MW)	269
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/Nm³	13	-	IS 5182 (Part 10): 1999 (NDIR method)

END OF REPORT

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TEST REPORT

SA-1858260619

Report No.:	ME-1858260619	Date: 25.06.2026
ULR No.:	TC748726000013532F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	168
Load at the time of monitoring (MW)	265
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	130	-	IS 11255 (Part 3):2008
2.	Flue gas Velocity	m/s	29.5	-	IS 11255 (Part 3):2008
3.	Flue gas Flow Rate	Nm^3/h	1240685	-	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	566	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	283	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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SA-1858260619

TEST REPORT

Report No.:	ME-1858260619	Date: 25.06.2026
ULR No.:	TC748726000013532F	

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TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

Report No.:	ME-1858260619N	Date: 25.06.2026
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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	25.06.2026

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)	168
Load at the time of monitoring (MW)	265
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

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

Sagar Yeul
Dy.Technical Manager
Chemical Testing

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-1850260619

Report No.:	ME-1850260619	Date: 26.06.2026
ULR No.:	TC748726000013584F	

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	18.06.2026 to 19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1.	Sulphur Dioxide (SO_2)	µg/m³	16.1	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2.	Nitrogen Dioxide (NO_2)	µg/m³	19.1	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	59	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	27	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
5.	Ozone (O_3)	µg/m³	20.2	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	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13

Reviewed and authorised by

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TC-7487

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

TEST REPORT

AA-1850260619

Report No.:	ME-1850260619	Date: 26.06.2026
ULR No.:	TC748726000013584F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7.	Carbon Monoxide (CO)	mg/m^3	0.82	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	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
12.	Nickel (as Ni)	ng/m^3	BQL (LOQ:3)	20	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13

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-1851260619

Report No.:	ME-1851260619	Date: 26.06.2026
ULR No.:	TC748726000013585F	

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	18.06.2026 to 19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1.	Sulphur Dioxide (SO_2)	µg/m³	11.4	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2.	Nitrogen Dioxide (NO_2)	µg/m³	15.1	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	44	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	21	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	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13

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

TEST REPORT

Report No.:	ME-1851260619	Date: 26.06.2026
ULR No.:	TC748726000013585F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7.	Carbon Monoxide (CO)	mg/m^3	0.87	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	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
12.	Nickel (as Ni)	ng/m^3	3.29	20	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13

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-1852260619

Report No.:	ME-1852260619	Date: 26.06.2026
ULR No.:	TC748726000013586F	

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	18.06.2026 to 19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1.	Sulphur Dioxide (SO_2)	µg/m³	13.1	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2.	Nitrogen Dioxide (NO_2)	µg/m³	16.4	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	56	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	27	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	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13

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TEST REPORT

AA-1852260619

Report No.:	ME-1852260619	Date: 26.06.2026
ULR No.:	TC748726000013586F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7.	Carbon Monoxide (CO)	mg/m^3	0.84	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	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
12.	Nickel (as Ni)	ng/m^3	BQL (LOQ:3)	20	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13

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-1853260619

Report No.:	ME-1853260619	Date: 26.06.2026
ULR No.:	TC748726000013587F	

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	18.06.2026 to 19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	As per method reference		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1.	Sulphur Dioxide (SO_2)	µg/m³	15.1	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	65	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	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	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13

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TC-7487

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TEST REPORT

AA-1853260619

Report No.:	ME-1853260619	Date: 26.06.2026
ULR No.:	TC748726000013587F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7.	Carbon Monoxide (CO)	mg/m^3	0.90	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13 (NDIR method)
8.	Ammonia (NH_3)	$\mu g/m^3$	23.4	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	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
12.	Nickel (as Ni)	ng/m^3	BQL (LOQ:3)	20	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13

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

ANA-1988260620

Report No.:	ME-1988260620	Date: 25.06.2026
ULR No.:	TC748726000013575F	

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	18.06.2026	
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	12:50 to 12:55	67.3	71.8
2.	Near CHP Crusher House	13:20 to 13:25	63.1	67.8
3.	Near Compressor Room	13:35 to 13:40	64.6	70.3
4.	Near Main Gate	11:10 to 11:15	59.6	64.8
5.	Near Colony	11:25 to 11:30	57.1	61.3

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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TC-7457

Mahabal Enviro Engineers Pvt. Ltd.

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

DE-1872260619

TEST REPORT

Report No.:	ME-1872260619	Date: 26.06.2026
ULR No.:	TC748726000013601F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

Sr. No.	Parameter	Unit	Result	# Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1.	pH (at 25°C)	-	8.5	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	38	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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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

Report No.:	ME-1863260619	Date: 26.06.2026
ULR No.:	TC748726000013592F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

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)	-	7.6	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Residual Chlorine (Free)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Min.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	452	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	244	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	326	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	37.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	63.8	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	33.0	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	69.7	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
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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

Report No.:	ME-1863260619	Date: 26.06.2026
ULR No.:	TC748726000013592F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	36.9	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.24	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	0.026	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.138	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.064	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	0.048	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

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Dy.Technical Manager
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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-1864260619

Report No.:	ME-1864260619	Date: 26.06.2026
ULR No.:	TC748726000013593F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

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)	-	7.8	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Residual Chlorine (Free)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Min.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	815	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	206	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	535	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	130	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	288	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	1.67	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	98.2	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-1864260619

Report No.:	ME-1864260619	Date: 26.06.2026
ULR No.:	TC748726000013593F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	70.5	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.19	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	0.095	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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Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MEEPL

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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-1865260619

Report No.:	ME-1865260619	Date: 26.06.2026
ULR No.:	TC748726000013594F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

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)	-	7.4	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Residual Chlorine (Free)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Min.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	775	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	326	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	565	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	150	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	75.6	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	48.3	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	116	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-1865260619

Report No.:	ME-1865260619	Date: 26.06.2026
ULR No.:	TC748726000013594F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	66.8	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.23	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	0.090	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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GW-1866260619

TEST REPORT

Report No.:	ME-1866260619	Date: 26.06.2026
ULR No.:	TC748726000013595F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

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)	-	7.6	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Residual Chlorine (Free)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Min.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	618	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	190	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	230	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	100	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	176	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	14.5	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	54.5	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

Mahabal Enviro Engineers Pvt. Ltd.

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

GW-1866260619

TEST REPORT

Report No.:	ME-1866260619	Date: 26.06.2026
ULR No.:	TC748726000013595F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	22.8	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.20	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.0	-	-	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	0.095	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.442	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	0.071	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
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**

GW-1867260619

TEST REPORT

Report No.:	ME-1867260619	Date: 26.06.2026
ULR No.:	TC748726000013596F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

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)	-	7.4	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Residual Chlorine (Free)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Min.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	515	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	308	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	328	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	58.6	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	33.4	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	64.9	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

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

GW-1867260619

TEST REPORT

Report No.:	ME-1867260619	Date: 26.06.2026
ULR No.:	TC748726000013596F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	40.3	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.23	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	0.051	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.147	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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Phone: **0712-2612162/2612212** email: **nagpur@mahabal.com**

SW-1869260619

TEST REPORT

Report No.:	ME-1869260619	Date: 26.06.2026
ULR No.:	TC748726000013598F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

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	3.3	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25^{0}C)	-	8.0	APHA 24th Ed. 2023, 4500-H+-B
5.	Residual Chlorine (Free)	mg/L	BQL (LOQ:0.05)	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180^{0}C)	mg/L	722	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105^{0}C)	mg/L	8	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	140	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	545	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	140	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	262	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	5.62	APHA 24th Ed. 2023, 4500-NO_3, E
13.	Calcium (as Ca)	mg/L	116	APHA 24th Ed. 2023, 3500-Ca-B
14.	Magnesium (as Mg)	mg/L	62.0	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.34	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.1	APHA 24th Ed. 2023, 4500-O, B & C

Reviewed and authorised by

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TC-7487

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

SW-1869260619

TEST REPORT

Report No.:	ME-1869260619	Date: 26.06.2026
ULR No.:	TC748726000013598F	

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	BQL (LOQ:0.02)	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.596	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.052	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:
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MEEPL

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

TEST REPORT

SW-1860260619

Report No.:	ME-1860260619	Date: 26.06.2026
ULR No.:	TC748726000013589F	

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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

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	0.4	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	8.1	APHA 24th Ed. 2023, 4500-H+-B
5.	Residual Chlorine (Free)	mg/L	BQL (LOQ:0.05)	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	727	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	102	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	474	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	155	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	283	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	5.06	APHA 24th Ed. 2023, 4500-NO_3, E
13.	Calcium (as Ca)	mg/L	108	APHA 24th Ed. 2023, 3500-Ca-B
14.	Magnesium (as Mg)	mg/L	49.6	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.33	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.3	APHA 24th Ed. 2023, 4500-O, B & C

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SW-1860260619

TEST REPORT

Report No.:	ME-1860260619	Date: 26.06.2026
ULR No.:	TC748726000013589F	

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	0.026	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.156	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	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:
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TEST REPORT

GW-1868260619

Report No.:	ME-1868260619	Date: 26.06.2026
ULR No.:	TC748726000013597F	

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 Ara 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	19.06.2026	Date of Receipt of Sample	19.06.2026
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	19.06.2026	Date of Completion of Analysis	26.06.2026

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.	Residual Chlorine (Free)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Min.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	445	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	236	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	302	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	42.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	58.2	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	33.4	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	57.7	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

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TC-7487

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TEST REPORT

GW-1868260619

Report No.:	ME-1868260619	Date: 26.06.2026
ULR No.:	TC748726000013597F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	38.9	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.24	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	BQL (LOQ:0.02)	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.109	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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