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-0319251205

Report No.:	ME-0319251205	Date: 12.12.2025
ULR No.:	TC748725000023081F	

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	04.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	05.12.2025	Date of Completion of Analysis	11.12.2025

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)	192
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	°C	129	-	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	1215625	-	IS 11255 (Part 3):2008
4.	Particulate Matter (PM)	mg/Nm^3	41	50	IS 11255 (Part 1):1985
5.	Sulphur Dioxide (SO_2)	mg/Nm^3	590	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	295	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-0319251205

Report No.:	ME-0319251205	Date: 12.12.2025
ULR No.:	TC748725000023081F	

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).
5. This report is not to be reproduced except in full, without the written approval of the laboratory.
6. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS P.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

SA-0319251205

Report No.:	ME-0319251205N	Date: 12.12.2025
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	04.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	05.12.2025	Date of Completion of Analysis	11.12.2025

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)	192
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/Nm^3	16	-	IS 5182 (Part 10): 1999 (NDIR method)

END OF REPORT

Note:
1. BQL: Below Quantification Limit
2. LOQ: Limit of Quantification
3. The result listed refers only to the tested sample(s) and applicable parameter(s).
4. This report is not to be reproduced except in full, without the written approval of the laboratory.
5. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS P. 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

SA-0320251205

Report No.:	ME-0320251205	Date: 12.12.2025
ULR No.:	TC748725000023082F	

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	04.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	05.12.2025	Date of Completion of Analysis	11.12.2025

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)	189
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	1190246	-	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	573	600	IS 11255 (Part 2):1985
6.	Oxides of Nitrogen (NO_X)	mg/Nm^3	300	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-0320251205

Report No.:	ME-0320251205	Date: 12.12.2025
ULR No.:	TC748725000023082F	

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).
5. This report is not to be reproduced except in full, without the written approval of the laboratory.
6. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS P. 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

SA-0320251205

Report No.:	ME-0320251205N	Date: 12.12.2025
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	04.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	05.12.2025	Date of Completion of Analysis	11.12.2025

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)	189
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.	Carbon Monoxide (CO)	mg/Nm^3	14	-	IS 5182 (Part 10): 1999 (NDIR method)

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).
5. This report is not to be reproduced except in full, without the written approval of the laboratory.
6. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MEEPL

MAHABAL ENVIRO ENGINEERS P. 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-0315251205

Report No.:	ME-0315251205	Date: 13.12.2025
ULR No.:	TC748725000023187F	

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	04.12.2025 to 05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	05.12.2025	Date of Completion of Analysis	13.12.2025

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO_2)	µg/m³	11.4	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2	Nitrogen Dioxide (NO_2)	µg/m³	15.2	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	58	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

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-0315251205

Report No.:	ME-0315251205	Date: 13.12.2025
ULR No.:	TC748725000023187F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7	Carbon Monoxide (CO)	mg/m^3	0.77	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13 (NDIR method)
8	Ammonia (NH_3)	$\mu g/m^3$	23.6	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.
7. The result listed refers only to the tested sample(s) and applicable parameter(s).
8. This report is not to be reproduced except in full, without the written approval of the laboratory.
9. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

AA-0316251205

Report No.:	ME-0316251205	Date: 13.12.2025
ULR No.:	TC748725000023188F	

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	04.12.2025 to 05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	05.12.2025	Date of Completion of Analysis	13.12.2025

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO_2)	µg/m³	10.4	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2	Nitrogen Dioxide (NO_2)	µg/m³	13.7	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
3	Particulate Matter (size less than 10µm) or PM_{10}	µg/m³	40	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	25	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
5	Ozone (O_3)	µg/m³	22.4	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

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-0316251205

Report No.:	ME-0316251205	Date: 13.12.2025
ULR No.:	TC748725000023188F	

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	3.75	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.
7. The result listed refers only to the tested sample(s) and applicable parameter(s).
8. This report is not to be reproduced except in full, without the written approval of the laboratory.
9. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MEEPL

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

AA-0317251205

Report No.:	ME-0317251205	Date: 13.12.2025
ULR No.:	TC748725000023189F	

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	04.12.2025 to 05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	05.12.2025	Date of Completion of Analysis	13.12.2025

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO_2)	µg/m³	13.2	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	63	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
4	Particulate Matter (size less than 2.5µm) or $PM_{2.5}$	µg/m³	28	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
5	Ozone (O_3)	µg/m³	20.7	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

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-0317251205

Report No.:	ME-0317251205	Date: 13.12.2025
ULR No.:	TC748725000023189F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7	Carbon Monoxide (CO)	mg/m^3	0.75	04	CPCB Guidelines for the Measurement of Ambient Air Pollutants Volume-II, 2012-13 (NDIR method)
8	Ammonia (NH_3)	$\mu g/m^3$	24.8	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.
7. The result listed refers only to the tested sample(s) and applicable parameter(s).
8. This report is not to be reproduced except in full, without the written approval of the laboratory.
9. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

AA-0318251205

Report No.:	ME-0318251205	Date: 13.12.2025
ULR No.:	TC748725000023190F	

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	04.12.2025 to 05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	As per method reference		
Date of Start of Analysis	05.12.2025	Date of Completion of Analysis	13.12.2025

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
	Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
1	Sulphur Dioxide (SO_2)	µg/m³	11.7	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13
2	Nitrogen Dioxide (NO_2)	µg/m³	14.9	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	52	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

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-0318251205

Report No.:	ME-0318251205	Date: 13.12.2025
ULR No.:	TC748725000023190F	

Sr. No.	Parameter	Unit	Result	#NAAQS	Method Reference
7	Carbon Monoxide (CO)	mg/m^3	1.06	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.
7. The result listed refers only to the tested sample(s) and applicable parameter(s).
8. This report is not to be reproduced except in full, without the written approval of the laboratory.
9. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MEEPL

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

WNA-0321251205

Report No.:	ME-0321251205	Date: 11.12.2025
ULR No.:	TC748725000023083F	

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	04.12.2025	
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	12:05 to 12:10	63.8	68.9
2.	Near CHP Crusher House	11:50 to 11:55	62.2	63.7
3.	Near Compressor Room	11:35 to 11:40	61.7	64.7
4.	Near Main Gate	11:25 to 11:30	58.8	63.8
5.	Near Colony	12:40 to 12:45	58.3	60.6

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:
1. The result listed refers only to the tested sample(s) and applicable parameter(s).
2. This report is not to be reproduced except in full, without the written approval of the laboratory.
3. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS P.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**

DE-0334251206

TEST REPORT

Report No.:	ME-0334251206	Date: 13.12.2025
ULR No.:	TC748725000023203F	

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	05.12.2025	Date of Receipt of Sample	06.12.2025
Sampling Procedure	IS 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	12.12.2025

Sr. No.	Parameter	Unit	Result	# Limit	Method Reference
	Discipline: Chemical Testing; Product Group: Pollution & Environment (Waste Water)				
1.	pH (at 25°C)	-	8.4	6.5 to 8.5	APHA 24th Ed. 2023, 4500-H^+-B
2.	Biochemical Oxygen Demand (3 days 27°C)	mg/L	7.1	30 Max.	IS 3025 (Part 44):2023
3.	Chemical Oxygen Demand	mg/L	25	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).
5. This report is not to be reproduced except in full, without the written approval of the laboratory.
6. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS P. 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-0324251205

Report No.:	ME-0324251205	Date: 13.12.2025
ULR No.:	TC748725000023193F	

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	05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	13.12.2025

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	0.8	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.7	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	505	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	376	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	32.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	38.5	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	45.7	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	82.6	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

GW-0324251205

TEST REPORT

Report No.:	ME-0324251205	Date: 13.12.2025
ULR No.:	TC748725000023193F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	41.3	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.74	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	0.022	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.196	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

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

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

GW-0325251205

Report No.:	ME-0325251205	Date: 13.12.2025
ULR No.:	TC748725000023194F	

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	05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	13.12.2025

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	0.5	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.5	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	525	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	320	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	418	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	33.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	33.0	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.5	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	89.8	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

GW-0325251205

Report No.:	ME-0325251205	Date: 13.12.2025
ULR No.:	TC748725000023194F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	47.1	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.68	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	0.021	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.172	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	0.034	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

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

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MEEPL

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-0326251205

TEST REPORT

Report No.:	ME-0326251205	Date: 13.12.2025
ULR No.:	TC748725000023195F	

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	05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	13.12.2025

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	0.5	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.7	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	537	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	324	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	418	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	33.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	33.0	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.6	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	98.6	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

GW-0326251205

Report No.:	ME-0326251205	Date: 13.12.2025
ULR No.:	TC748725000023195F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	41.8	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	6.6	-	-	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	0.022	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.325	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	0.032	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

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

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

GW-0327251205

TEST REPORT

Report No.:	ME-0327251205	Date: 13.12.2025
ULR No.:	TC748725000023196F	

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	05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	13.12.2025

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	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.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	522	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	318	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	416	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	32.5	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	33.5	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.3	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	95.4	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**

GW-0327251205

TEST REPORT

Report No.:	ME-0327251205	Date: 13.12.2025
ULR No.:	TC748725000023196F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	43.3	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.53	1 Max.	1.5 Max.	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.3	-	-	APHA 24th Ed. 2023, 4500-O, B & C
17.	Oil and Grease	mg/L	BQL (LOQ:1)	-	-	IS 3025 (Part 39): 2021
18.	Cyanide (as CN)	mg/L	BQL (LOQ:0.001)	0.05 Max.	No relaxation	APHA 24th Ed. 2023, 4500-CN, C & E
19.	Phenolic Compounds (as C_6H_5OH)	mg/L	BQL (LOQ:0.001)	0.001 Max.	0.002 Max.	APHA 24th Ed. 2023, 5530- B & C
	Product Group: Residues in water					
20.	Boron (as B)	mg/L	0.028	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	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

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

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MEEPL

MAHABAL ENVIRO ENGINEERS P. 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-0328251205

Report No.:	ME-0328251205	Date: 13.12.2025
ULR No.:	TC748725000023197F	

Name and Address of Customer	**RATTANINDIA POWER LIMITED Plot No. D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901**		SO No.: 3382026036 SO Date: 25.03.2025
Sample Description / Type	Ground water	Sampling Done by	Laboratory
Sampling Location	Backside of Ash Dyke Area Mr.N Lomte Farm	Sample Quantity / Packing	3L X 1 No. PVC Can 500 mL X 1 No. PVC Can 1 L X 1 No. Glass Bottle
Date of Sampling	05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	13.12.2025

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	0.7	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25^{0}C)	-	7.6	6.5 to 8.5	No relaxation	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	0.2 Min.	1.0 Max.	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180^{0}C)	mg/L	520	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105^{0}C)	mg/L	BQL (LOQ:5)	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	322	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	33.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	34.7	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	46.2	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	81.8	75 Max.	200 Max.	APHA 24th Ed. 2023, 3500-Ca-B

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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-0328251205

Report No.:	ME-0328251205	Date: 13.12.2025
ULR No.:	TC748725000023197F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	47.6	30 Max.	100 Max.	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.63	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	0.029	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.071	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

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

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS P.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-0329251205

Report No.:	ME-0329251205	Date: 13.12.2025
ULR No.:	TC748725000023198F	

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	05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	13.12.2025

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	0.9	1 Max.	5 Max.	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	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 (at 180°C)	mg/L	684	500 Max.	2000 Max.	IS 3025 (Part 16):2023
7.	Total Suspended Solids (at 105°C)	mg/L	5	-	-	APHA 24th Ed. 2023, 2540-D
8.	Alkalinity Total (as $CaCO_3$)	mg/L	266	200 Max.	600 Max.	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	540	200 Max.	600 Max.	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	73.0	250 Max.	1000 Max.	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	200	200 Max.	400 Max.	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	8.20	45 Max.	No relaxation	APHA 24th Ed. 2023,4500-NO_3, B
13.	Calcium (as Ca)	mg/L	141	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-0329251205

Report No.:	ME-0329251205	Date: 13.12.2025
ULR No.:	TC748725000023198F	

Sr. No.	Parameter	Unit	Result	#Limit	$Limit	Method Reference
14.	Magnesium (as Mg)	mg/L	45.7	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	0.023	0.5 Max.	2.4 Max.	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	0.113	1.0 Max.	No relaxation	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	BQL (LOQ:0.01)	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	BQL (LOQ:0.025)	0.03 Max.	0.2 Max.	APHA 24th Ed. 2023, 3500-Al-B
24.	Cadmium (as Cd)	mg/L	BQL (LOQ:0.0027)	0.003Max	No relaxation	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	BQL (LOQ:0.01)	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	BQL (LOQ:0.01)	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	BQL (LOQ:0.008)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	BQL (LOQ:0.02)	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	BQL (LOQ:0.007)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	BQL (LOQ:0.0005)	0.001Max	No relaxation	APHA 24th Ed. 2023, 3112-B
31.	Selenium (as Se)	mg/L	BQL (LOQ:0.01)	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

END OF REPORT

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

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MEEPL

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

SW-0322251205

Report No.:	ME-0322251205	Date: 13.12.2025
ULR No.:	TC748725000023191F	

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	05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	13.12.2025

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	0.2	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.8	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	583	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	196	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	408	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	76.0	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	165	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	1.14	APHA 24th Ed. 2023,4500-NO_3, E
13.	Calcium (as Ca)	mg/L	94.6	APHA 24th Ed. 2023, 3500-Ca-B
14.	Magnesium (as Mg)	mg/L	41.8	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	6.4	APHA 24th Ed. 2023, 4500-O, B & C

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

SW-0322251205

Report No.:	ME-0322251205	Date: 13.12.2025
ULR No.:	TC748725000023191F	

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	1.37	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.164	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	0.026	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.
2. LOQ: Limit of Quantification.
3. The result listed refers only to the tested sample(s) and applicable parameter(s).
4. This report is not to be reproduced except in full, without the written approval of the laboratory.
5. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS PVT. LTD. Laboratory Division

TC-7487

Mahabal Enviro Engineers Pvt. Ltd.

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

TEST REPORT

SW-0323251205

Report No.:	ME-0323251205	Date: 13.12.2025
ULR No.:	TC748725000023192F	

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	05.12.2025	Date of Receipt of Sample	05.12.2025
Sampling Procedure	IS: 17614; APHA 24th Ed. 2023, 1060-B		
Date of Start of Analysis	06.12.2025	Date of Completion of Analysis	13.12.2025

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	0.1	APHA 24th Ed. 2023, 2130-B
4.	pH (at 25°C)	-	7.6	APHA 24th Ed. 2023, 4500-H+-B
5.	Free Chlorine (Residual)	mg/L	BQL (LOQ:0.05)	APHA 24th Ed. 2023, 4500-Cl G
6.	Total Dissolved Solids (at 180°C)	mg/L	576	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	196	APHA 24th Ed. 2023, 2320-B
9.	Total Hardness (as $CaCO_3$)	mg/L	416	APHA 24th Ed. 2023, 2340-C
10.	Chloride (as Cl)	mg/L	74.0	APHA 24th Ed. 2023, 4500-Cl-B
11.	Sulphate (as SO_4)	mg/L	170	APHA 24th Ed. 2023, 4500-SO_4-E
12.	Nitrate (as NO_3)	mg/L	1.53	APHA 24th Ed. 2023,4500-NO_3, E
13.	Calcium (as Ca)	mg/L	94.6	APHA 24th Ed. 2023, 3500-Ca-B
14.	Magnesium (as Mg)	mg/L	43.7	APHA 24th Ed. 2023, 3500-Mg-B
15.	Fluoride (as F)	mg/L	0.81	APHA 24th Ed. 2023, 4500-F, D
16.	Dissolved Oxygen	mg/L	6.4	APHA 24th Ed. 2023, 4500-O, B & C

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

SW-0323251205

Report No.:	ME-0323251205	Date: 13.12.2025
ULR No.:	TC748725000023192F	

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	0.145	IS 3025 (Part 2) 2019
21.	Iron (as Fe)	mg/L	1.62	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.185	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	0.023	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.
2. LOQ: Limit of Quantification.
3. The result listed refers only to the tested sample(s) and applicable parameter(s).
4. This report is not to be reproduced except in full, without the written approval of the laboratory.
5. Any complaint pertaining to the report can be addressed to mahabalreports@gmail.com

Reviewed and authorised by

Sagar Yeul
Dy.Technical Manager
Chemical Testing

MAHABAL ENVIRO ENGINEERS P.LTD. Laboratory Division

TC-7487