



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors
Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,
Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

Test Report

Report No.: ME-NG11654-210820-SA-RIPL-AMRAVATI		Date: 20.08.2021	
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	Order Reference:	
		SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	Boiler Unit#1	Sample Quantity/Packing	Thimble:1 X 1 No. SO ₂ :30 mL X 1 No. PVC Bottle NO _x : 25mL X 1No. PVC Bottle
Date of Sampling	13.08.2021	Date of Receipt of Sample	14.08.2021
Sampling Procedure	As per Method Reference.		
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	20.08.2021

ULR- TC748721000010952F

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
Stack Details		S-1		
Stack Identity	Boiler Unit 1			
Stack attached to	ESP of Boiler U#1			
Material of construction	M.S.			
Stack height above ground level (Meter)	275			
Stack diameter at sampling point (Meter)	4.6			
Stack shape at top	Round			
Type of fuel	Coal			
Fuel Consumption (t/h)	146			
Load (MW)	268			
Parameter	Unit	Result	#Limit	Method Reference
Flue gas Temperature	°C	122	-	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	29.9	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	1242552	-	IS 11255 (Part 3):2008



Report No.11654 cont...

Parameter	Unit	Result	#Limit	Method Reference
Particulate Matter (PM)	mg/Nm ³	40	50	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	588	-	IS 11255 (Part 2):1985, RA 2003
Sulphur Dioxide (SO ₂)	kg/day	17535	52320	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)	mg/Nm ³	248	-	IS 11255 (Part 7):2005
Carbon Monoxide (CO)	mg/Nm ³	12.6	-	IS 5182 (Part 10) NDIR Method

Remark: # : Limit as per MPCB Consent

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Kishor Yeole

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Note:

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ULR- TC748721000010952F



TC-7487



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Test Report

Report No.: ME-NG11657-210820-SA-RIPL-AMRAVATI		Date: 20.08.2021	
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	Order Reference:	
		SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	Boiler Unit#5	Sample Quantity/Packing	Thimble:1 X 1 No. SO ₂ :30 mL X 1 No. PVC Bottle NO _x : 25mL X 1No. PVC Bottle CO: 1 x 1 No Bladder
Date of Sampling	13.08.2021	Date of Receipt of Sample	14.08.2021
Sampling Procedure	As per Method Reference.		
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	20.08.2021

ULR- TC748721000010955F

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
Stack Details		S-5		
Stack Identity		Boiler Unit#5		
Stack attached to		ESP of Boiler U#5		
Material of construction		M.S.		
Stack height above ground level (Meter)		275		
Stack diameter at sampling point (Meter)		4.6		
Stack shape at top		Round		
Type of fuel		Coal		
Fuel Consumption (t/h)		145		
Load (MW)		266		
Parameter	Unit	Result	#Limit	Method Reference
Flue gas Temperature	°C	127	-	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	28.6	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	1173718	-	IS 11255 (Part 3):2008

Report No.11657 cont...

Parameter	Unit	Result	#Limit	Method Reference
Particulate Matter (PM)	mg/Nm ³	36	50	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	548	-	IS 11255 (Part 2):1985, RA 2003
Sulphur Dioxide (SO ₂)	kg/day	15437	52320	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)	mg/Nm ³	282	-	IS 11255 (Part 7):2005
Carbon Monoxide (CO)	mg/Nm ³	11.8	-	IS 5182 (Part 10) NDIR Method

Remark: # : Limit as per MPCB Consent

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.



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Test Report

Report No.: ME-NG11655-210820-SA-RIPL-AMRAVATI		Date: 20.08.2021	
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		Order Reference:
			SO No. 3382019103 Dt.17.05.2021
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	Boiler Unit#2	Sample Quantity/Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25mL X 1No. PVC Bottle CO: 1 x 1 No Bladder
Date of Sampling	13.08.2021	Date of Receipt of Sample	14.08.2021
Sampling Procedure	As per Method Reference.		
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	20.08.2021

ULR- TC748721000010953F

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
Stack Details		S-2		
Stack Identity		Boiler Unit 2		
Stack attached to		ESP of Boiler U#2		
Material of construction		M.S.		
Stack height above ground level (Meter)		275		
Stack diameter at sampling point (Meter)		4.6		
Stack shape at top		Round		
Type of fuel		Coal		
Fuel Consumption (t/h)		147		
Load (MW)		267		
Parameter	Unit	Result	#Limit	Method Reference
Flue gas Temperature	^o C	119	-	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	29.3	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	1226979	-	IS 11255 (Part 3):2008



Report No.11655 cont...

Parameter	Unit	Result	#Limit	Method Reference
Particulate Matter (PM)	mg/Nm ³	36	50	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	584	-	IS 11255 (Part 2):1985, RA 2003
Sulphur Dioxide (SO ₂)	kg/day	17197	52320	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)	mg/Nm ³	271	-	IS 11255 (Part 7):2005
Carbon Monoxide (CO)	mg/Nm ³	12.2	-	IS 5182 (Part 10) NDIR Method

Remark: # : Limit as per MPCB Consent

-----END-----

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Test Report

Report No.: ME-NG12367-210831-SA-RIPL-AMRAVATI		Date: 31.08.2021	
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	Order Reference:	
		SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	Boiler Unit#5	Sample Quantity/Packing	Thimble:1 X 1 No. SO ₂ :30 mL X 1 No. PVC Bottle NO _x : 25mL X 1No. PVC Bottle CO: 1 x 1 No Bladder
Date of Sampling	25.08.2021	Date of Receipt of Sample	26.08.2021
Sampling Procedure	As per Method Reference.		
Date of Start of Analysis	26.08.2021	Date of Completion of Analysis	28.08.2021

ULR- TC748721000011635F

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
Stack Details		S-5		
Stack Identity		Boiler Unit#5		
Stack attached to		ESP of Boiler U#5		
Material of construction		M.S.		
Stack height above ground level (Meter)		275		
Stack diameter at sampling point (Meter)		4.6		
Stack shape at top		Round		
Type of fuel		Coal		
Fuel Consumption (t/h)		176		
Load (MW)		257		
Parameter	Unit	Result	#Limit	Method Reference
Flue gas Temperature	^o C	131	-	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	28.5	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	1158154	-	IS 11255 (Part 3):2008



Report No.12367 cont...

Parameter	Unit	Result	#Limit	Method Reference
Particulate Matter (PM)	mg/Nm ³	46	50	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	568	-	IS 11255 (Part 2):1985, RA 2003
Sulphur Dioxide (SO ₂)	kg/day	15788	52320	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)	mg/Nm ³	286	-	IS 11255 (Part 7):2005
Carbon Monoxide (CO)	mg/Nm ³	12.5	-	IS 5182 (Part 10) NDIR Method

Remark: # : Limit as per MPCB Consent

-----END-----

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Test Report

Report No.: ME-NG11656-210820-SA-RIPL-AMRAVATI		Date: 20.08.2021	
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		Order Reference:
			SO No. 3382019103 Dt.17.05.2021
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	Boiler Unit#4	Sample Quantity/Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25mL X 1No. PVC Bottle CO: 1 x 1 No Bladder
Date of Sampling	13.08.2021	Date of Receipt of Sample	14.08.2021
Sampling Procedure	As per Method Reference.		
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	20.08.2021

ULR- TC748721000010954F

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
Stack Details		S-4		
Stack Identity	Boiler Unit#4			
Stack attached to	ESP of Boiler U#4			
Material of construction	M.S.			
Stack height above ground level (Meter)	275			
Stack diameter at sampling point (Meter)	4.6			
Stack shape at top	Round			
Type of fuel	Coal			
Fuel Consumption (t/h)	148			
Load (MW)	269			
Parameter	Unit	Result	#Limit	Method Reference
Flue gas Temperature	^o C	125	-	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	29.1	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	1200169	-	IS 11255 (Part 3):2008

Report No.11656 cont...

Parameter	Unit	Result	#Limit	Method Reference
Particulate Matter (PM)	mg/Nm ³	43	50	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	580	-	IS 11255 (Part 2):1985, RA 2003
Sulphur Dioxide (SO ₂)	kg/day	16706	52320	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)	mg/Nm ³	279	-	IS 11255 (Part 7):2005
Carbon Monoxide (CO)	mg/Nm ³	12.6	-	IS 5182 (Part 10) NDIR Method

Remark: # : Limit as per MPCB Consent

-----END-----

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Test Report

Report No.: ME-NG12364-210831-SA-RIPL-AMRAVATI		Date: 31.08.2021	
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	Order Reference:	
		SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	Boiler Unit#1	Sample Quantity/Packing	Thimble:1 X 1 No. SO ₂ :30 mL X 1 No. PVC Bottle NO _x : 25mL X 1No. PVC Bottle CO: 1 x 1 No Bladder
Date of Sampling	25.08.2021	Date of Receipt of Sample	26.08.2021
Sampling Procedure	As per Method Reference.		
Date of Start of Analysis	26.08.2021	Date of Completion of Analysis	28.08.2021

ULR- TC748721000011632F

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
Stack Details		S-1		
Stack Identity		Boiler Unit 1		
Stack attached to		ESP of Boiler U#1		
Material of construction		M.S.		
Stack height above ground level (Meter)		275		
Stack diameter at sampling point (Meter)		4.6		
Stack shape at top		Round		
Type of fuel		Coal		
Fuel Consumption (t/h)		146		
Load (MW)		267		
Parameter	Unit	Result	#Limit	Method Reference
Flue gas Temperature	^o C	122	-	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	29.1	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	1209307	-	IS 11255 (Part 3):2008



Report No.12364 cont...

Parameter	Unit	Result	#Limit	Method Reference
Particulate Matter (PM)	mg/Nm ³	36	50	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	565	-	IS 11255 (Part 2):1985, RA 2003
Sulphur Dioxide (SO ₂)	kg/day	16398	52320	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)	mg/Nm ³	278	-	IS 11255 (Part 7):2005
Carbon Monoxide (CO)	mg/Nm ³	12.8	-	IS 5182 (Part 10) NDIR Method

Remark: # : Limit as per MPCB Consent

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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Test Report

Report No.: ME-NG12365-210831-SA-RIPL-AMRAVATI		Date: 31.08.2021	
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		Order Reference:
			SO No. 3382019103 Dt.17.05.2021
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	Boiler Unit#2	Sample Quantity/Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25mL X 1No. PVC Bottle CO: 1 x 1 No Bladder
Date of Sampling	25.08.2021	Date of Receipt of Sample	26.08.2021
Sampling Procedure	As per Method Reference.		
Date of Start of Analysis	26.08.2021	Date of Completion of Analysis	28.08.2021

ULR- TC748721000011633F

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
Stack Details		S-2		
Stack Identity		Boiler Unit 2		
Stack attached to		ESP of Boiler U#2		
Material of construction		M.S.		
Stack height above ground level (Meter)		275		
Stack diameter at sampling point (Meter)		4.6		
Stack shape at top		Round		
Type of fuel		Coal		
Fuel Consumption (t/d)		153		
Load (MW)		270		
Parameter	Unit	Result	#Limit	Method Reference
Flue gas Temperature	^o C	126	-	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	28.7	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	1180827	-	IS 11255 (Part 3):2008



Report No.12365 cont...

Parameter	Unit	Result	#Limit	Method Reference
Particulate Matter (PM)	mg/Nm ³	42	50	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	568	-	IS 11255 (Part 2):1985, RA 2003
Sulphur Dioxide (SO ₂)	kg/day	16097	52320	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)	mg/Nm ³	291	-	IS 11255 (Part 7):2005
Carbon Monoxide (CO)	mg/Nm ³	12.2	-	IS 5182 (Part 10) NDIR Method

Remark: # : Limit as per MPCB Consent

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

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Test Report

Report No.: ME-NG12366-210831-SA-RIPL-AMRAVATI		Date: 31.08.2021	
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	Order Reference:	
		SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Stack Emission Monitoring	Sample Collected by	Laboratory
Sampling Location	Boiler Unit#4	Sample Quantity/Packing	Thimble: 1 X 1 No. SO ₂ : 30 mL X 1 No. PVC Bottle NO _x : 25mL X 1No. PVC Bottle CO: 1 x 1 No Bladder
Date of Sampling	25.08.2021	Date of Receipt of Sample	26.08.2021
Sampling Procedure	As per Method Reference.		
Date of Start of Analysis	26.08.2021	Date of Completion of Analysis	28.08.2021

ULR- TC748721000011634F

Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Stack Emission)				
Stack Details		S-4		
Stack Identity		Boiler Unit#4		
Stack attached to		ESP of Boiler U#4		
Material of construction		M.S.		
Stack height above ground level (Meter)		275		
Stack diameter at sampling point (Meter)		4.6		
Stack shape at top		Round		
Type of fuel		Coal		
Fuel Consumption (t/h)		180		
Load (MW)		262		
Parameter	Unit	Result	#Limit	Method Reference
Flue gas Temperature	^o C	130	-	IS 11255 (Part 3):2008
Flue gas Velocity	m/s	28.7	-	IS 11255 (Part 3):2008
Total gas quantity	Nm ³ /h	1169127	-	IS 11255 (Part 3):2008

Report No.12366 cont...

Parameter	Unit	Result	#Limit	Method Reference
Particulate Matter (PM)	mg/Nm ³	38	50	IS 11255 (Part 1):1985, RA 2003
Sulphur Dioxide (SO ₂)	mg/Nm ³	564	-	IS 11255 (Part 2):1985, RA 2003
Sulphur Dioxide (SO ₂)	kg/day	15825	52320	IS 11255 (Part 2):1985, RA 2003
Oxides of Nitrogen (NO _x)	mg/Nm ³	298	-	IS 11255 (Part 7):2005
Carbon Monoxide (CO)	mg/Nm ³	6.96	-	IS 5182 (Part 10) NDIR Method

Remark: # : Limit as per MPCB Consent

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.



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Test Report

Report No.: ME-NG11651-210824-SA-RIPL-AMRAVATI		Date: 24.08.2021	
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	Order Reference:	
		SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ambient Air Quality Monitoring	Sample Collected by	Laboratory
Sampling Location	1) Near Site Office 2) Terrace of WTP Plant 3) Terrace of Bachelor Guest House	Sample Quantity/Packing	Filter Paper (PM ₁₀): 3 X 3 No. Filter Paper (PM _{2.5}): 1 X 3 No. SO ₂ : 30mL X18 No. PVC Bottle NO ₂ : 30mL X18 No. PVC Bottle NH ₃ : 10 mL X72 No. PVC Bottle O ₃ : 10 mL X 72 No. PVC Bottle 3 X 6 No. Charcoal Tubes 3 X 3 No. Gas Bladder
Date of Sampling	13.08.2021 to 14.08.2021	Date of Receipt of Sample	14.08.2021
Sampling Procedure	As per Method reference		
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	24.08.2021

ULR- TC748721000010949F

Parameter	Unit	Result	#NAAQM Standard	Method Reference
Location	1) Near Site Office			Duration of Survey: 24 hours
Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
Sulphur Dioxide (SO ₂)	µg/m ³	10.2	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO ₂)	µg/m ³	13.8	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	63	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	30	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
Ozone (O ₃)	µg/m ³	<19.6	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34



Report No. 11651 Cont...

Parameter	Unit	Result	#NAAQM Standard	Method Reference
Lead (as Pb)	$\mu\text{g}/\text{m}^3$	<0.02	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Carbon Monoxide (CO)	mg/m^3	1.01	4.0	IS 5182 (Part 10):1999 RA 2003
Ammonia (NH ₃)	$\mu\text{g}/\text{m}^3$	20.3	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
Benzene (C ₆ H ₆)	$\mu\text{g}/\text{m}^3$	1.16	5.0	IS 5182 (Part 11): 2006
Benzo (a) Pyrene (Particulate phase only)	ng/m^3	<0.5	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
Arsenic (as As)	ng/m^3	<0.3	6.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Nickel (as Ni)	ng/m^3	5.19	20.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Location	2) Terrace of WTP Plant			Duration of Survey: 24 hours
Sulphur Dioxide (SO ₂)	$\mu\text{g}/\text{m}^3$	11.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO ₂)	$\mu\text{g}/\text{m}^3$	16.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10 μm) or PM ₁₀	$\mu\text{g}/\text{m}^3$	68	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5 μm) or PM _{2.5}	$\mu\text{g}/\text{m}^3$	30	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
Ozone (O ₃)	$\mu\text{g}/\text{m}^3$	<19.6	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34
Lead (as Pb)	$\mu\text{g}/\text{m}^3$	<0.02	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Carbon Monoxide (CO)	mg/m^3	0.84	4.0	IS 5182 (Part 10):1999 RA 2003
Ammonia (NH ₃)	$\mu\text{g}/\text{m}^3$	22.1	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
Benzene (C ₆ H ₆)	$\mu\text{g}/\text{m}^3$	1.11	5.0	IS 5182 (Part 11): 2006
Benzo(a)Pyrene (Particulate phase only)	ng/m^3	<0.5	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
Arsenic (as As)	ng/m^3	<0.3	6.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Nickel (as Ni)	ng/m^3	<3	20.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55

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Report No. 11651 Cont...

Parameter	Unit	Result	#NAAQM Standard	Method Reference
Location	3) Terrace of Bachelor Guest House			Duration of Survey: 24 hours
Sulphur Dioxide (SO ₂)	µg/m ³	9.35	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO ₂)	µg/m ³	13.0	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	61	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	21	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
Ozone (O ₃)	µg/m ³	<19.6	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34
Lead (as Pb)	µg/m ³	<0.02	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Carbon Monoxide (CO)	mg/m ³	0.76	4.0	IS 5182 (Part 10):1999 RA 2003
Ammonia (NH ₃)	µg/m ³	<20	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
Benzene (C ₆ H ₆)	µg/m ³	1.09	5.0	IS 5182 (Part 11): 2006
Benzo(a)Pyrene (Particulate phase only)	ng/m ³	<0.5	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
Arsenic (as As)	ng/m ³	<0.3	6.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Nickel (as Ni)	ng/m ³	4.41	20.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Remarks: TWA - Time Weighted Average., # - NAAQS specified as: 24h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM ₁₀ , PM _{2.5} , Lead and Ammonia; 1h. TWA in case of Carbon Monoxide and Ozone; Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel.				

ULR- TC748721000010949F

-END-

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Kishor C. Yeole

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Note:

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QF/SALE/03/Issue No 03 Dt 05.12.2019, Amd 01 Dt 01.03.2020

Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra
 (600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Next to Ashida Electrical - near J B Sawant Bus Stop)
Phone: 2582 0658/ 3139/ 1663/ 3154 WP: 8928346894 thane@mahabal.com



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors
Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,
Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

Test Report

Report No.: ME-NG12361-210901-SA-RIPL-AMRAVATI		Date: 01.09.2021	
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	Order Reference:	
		SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ambient Air Quality Monitoring	Sample Collected by	Laboratory
Sampling Location	1) Village Kapustalani 2) Village Dawargaon 3) Village Wagholi	Sample Quantity/Packing	Filter Paper (PM ₁₀): 3 X 3 No. Filter Paper (PM _{2.5}): 1 X 3 No. SO ₂ : 30mL X18 No. PVC Bottle NO ₂ : 30mL X18 No. PVC Bottle NH ₃ : 10 mL X72 No. PVC Bottle O ₃ : 10 mL X 72 No. PVC Bottle 3 X 6 No. Charcoal Tubes 3 X 3 No. Gas Bladder
Date of Sampling	25.08.2021 to 26.08.2021	Date of Receipt of Sample	26.08.2021
Sampling Procedure	As per Method reference		
Date of Start of Analysis	26.08.2021	Date of Completion of Analysis	31.08.2021

ULR- TC748721000011629F

Parameter	Unit	Result	#NAAQM Standard	Method Reference
Location	1.Village Kapustalani			Duration of Survey: 24 hours
Discipline: Chemical Testing; Product Group: Atmospheric Pollution (Ambient Air)				
Sulphur Dioxide (SO ₂)	µg/m ³	12.8	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO ₂)	µg/m ³	16.9	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	61	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	21	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
Ozone (O ₃)	µg/m ³	<19.6	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34
Lead (as Pb)	µg/m ³	<0.02	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55



Report No.12361 Cont...

Parameter	Unit	Result	#NAAQM Standard	Method Reference
Carbon Monoxide (CO)	mg/m ³	0.54	4.0	IS 5182 (Part 10):1999 RA 2003
Ammonia (NH ₃)	µg/m ³	<20	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
Benzene (C ₆ H ₆)	µg/m ³	1.07	5.0	IS 5182 (Part 11): 2006
Benzo (a) Pyrene (Particulate phase only)	ng/m ³	<0.5	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
Arsenic (as As)	ng/m ³	0.46	6.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Nickel (as Ni)	ng/m ³	3.77	20.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Location	2) Village Dawargaon			Duration of Survey: 24 hours
Sulphur Dioxide (SO ₂)	µg/m ³	13.6	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO ₂)	µg/m ³	17.6	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	68	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	12	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
Ozone (O ₃)	µg/m ³	20.3	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34
Lead (as Pb)	µg/m ³	<0.02	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Carbon Monoxide (CO)	mg/m ³	0.61	4.0	IS 5182 (Part 10):1999 RA 2003
Ammonia (NH ₃)	µg/m ³	<20	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
Benzene (C ₆ H ₆)	µg/m ³	1.13	5.0	IS 5182 (Part 11): 2006
Benzo(a)Pyrene (Particulate phase only)	ng/m ³	<0.5	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
Arsenic (as As)	ng/m ³	0.372	6.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Nickel (as Ni)	ng/m ³	3.76	20.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55

ULR- TC748721000011629F



Report No.12361 Cont..

Parameter	Unit	Result	#NAAQM Standard	Method Reference
Location	3) Village Wagholi			Duration of Survey: 24 hours
Sulphur Dioxide (SO ₂)	µg/m ³	8.50	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.1-6
Nitrogen Dioxide (NO ₂)	µg/m ³	12.3	80	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.7-10
Particulate Matter (size less than 10µm) or PM ₁₀	µg/m ³	65	100	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.11-14
Particulate Matter (size less than 2.5µm) or PM _{2.5}	µg/m ³	23	60	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.15-30
Ozone (O ₃)	µg/m ³	<19.6	180	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.31-34
Lead (as Pb)	µg/m ³	<0.02	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Carbon Monoxide (CO)	mg/m ³	0.64	4.0	IS 5182 (Part 10):1999 RA 2003
Ammonia (NH ₃)	µg/m ³	<20	400	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.35-39
Benzene (C ₆ H ₆)	µg/m ³	1.09	5.0	IS 5182 (Part 11): 2006
Benzo(a)Pyrene (Particulate phase only)	ng/m ³	<0.5	1.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.40-47
Arsenic (as As)	ng/m ³	<0.3	6.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Nickel (as Ni)	ng/m ³	3.02	20.0	CPCB Guidelines for the Measurement of Ambient Air Pollutants, Volume I, 2012-13, Page No.48-55
Remarks: TWA - Time Weighted Average., # - NAAQS specified as: 24h. TWA in case of Sulphur Dioxide, Nitrogen Dioxide, PM ₁₀ , PM _{2.5} , Lead and Ammonia; 1h. TWA in case of Carbon Monoxide and Ozone; Annual TWA in case of Benzene, Benzo (a) Pyrene, Arsenic and Nickel..				

ULR- TC748721000011629F

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Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra
 (600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Next to Ashida Electrical - near J B Sawant Bus Stop)
Phone: 2582 0658/ 3139/ 1663/ 3154 WP: 8928346894 thane@mahabal.com



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors
Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,
Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

Test Report

Report No.: ME-NG11668-210826-SA-RIPL-AMRAVATI				Date: 26.08.2021		
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			Order Reference: SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ground Water/Grab	Sample Collected by	Laboratory			
Sampling Location	Village Wagholi Well	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 1L X 1 No. Glass Bottle			
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021			
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;					
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	26.08.2021			
Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
Discipline: Chemical Testing; Product Group: Water (Ground Water)						
1	Colour	Hazen	<1	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2006
3	Turbidity	NTU	1.7	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4	pH	-	8.0	6.5 to 8.5	No relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5	Residual Free Chlorine	mg/L	<0.05	0.2 Min.	1.0 Max.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6	Total Dissolved Solids	mg/L	475	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2006, Ed.2.1(1999-12)
7	Total Suspended Solids	mg/L	12	-	-	APHA 23 rd Ed. 2017, 2540-D, 2-69
8	Alkalinity Total (as CaCO ₃)	mg/L	316	200 Max.	600 Max.	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9	Total Hardness (as CaCO ₃)	mg/L	344	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10	Chloride (as Cl)	mg/L	58.0	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO ₄)	mg/L	22.4	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199

ULR- TC748721000010966F



Report No. 11668 cont...

Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
12	Nitrate (as NO ₃)	mg/L	18.2	45 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
13	Calcium (as Ca)	mg/L	89.0	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14	Magnesium (as Mg)	mg/L	29.6	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15	Fluoride (as F)	mg/L	0.428	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16	Boron (as B)	mg/L	<0.1	0.5 Max.	2.4 Max.	APHA 23 rd Ed. 2017, 4500-B B, 4-27
17	Dissolved Oxygen	mg/L	6.5	-	-	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18	Oil and Grease	mg/L	N.D.	-	-	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19	Cyanide (as CN)	mg/L	N.D.	0.05 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	0.001 Max.	0.002 Max.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)						
21	Iron (as Fe)	mg/L	0.119	0.3 Max.	No relaxation.	IS 3025 (Part 2) 2019
22	Manganese (as Mn)	mg/L	0.026	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23	Aluminium (as Al)	mg/L	0.015	0.03 Max.	0.2 Max.	IS 3025 (Part 2) 2019
24	Cadmium (as Cd)	mg/L	N.D.	0.003Max.	No relaxation	IS 3025 (Part 2) 2019
25	Chromium Total (as Cr)	mg/L	N.D.	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26	Copper (as Cu)	mg/L	<0.01	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27	Lead (as Pb)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

ULR- TC74872100010966F



Report No. 11668 cont...

Sr. No	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
28	Zinc (as Zn)	mg/L	0.022	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29	Arsenic (as As)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30	Mercury (as Hg)	mg/L	N.D.	0.001Max.	No relaxation	APHA 23 rd Ed. 2017, 3112-B, 3-25
31	Selenium (as Se)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

Remarks: N.D.: Not Detected

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TC-7487



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors
Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,
Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111

Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

Test Report

Report No.: ME-NG11669-210826-SA-RIPL-AMRAVATI				Date: 26.08.2021		
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			Order Reference: SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ground Water/Grab	Sample Collected by	Laboratory			
Sampling Location	Well Water from Village Rasalpur	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 1L X 1 No. Glass Bottle			
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021			
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;					
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	26.08.2021			
Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
Discipline: Chemical Testing; Product Group: Water (Ground Water)						
1	Colour	Hazen	<1	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2006
3	Turbidity	NTU	1.7	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4	pH	-	8.0	6.5 to 8.5	No relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5	Residual Free Chlorine	mg/L	<0.05	0.2 Min.	1.0 Max.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6	Total Dissolved Solids	mg/L	204	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2006, Ed.2.1(1999-12)
7	Total Suspended Solids	mg/L	7	-	-	APHA 23 rd Ed. 2017, 2540-D, 2-69
8	Alkalinity Total (as CaCO ₃)	mg/L	156	200 Max.	600 Max.	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9	Total Hardness (as CaCO ₃)	mg/L	170	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10	Chloride (as Cl)	mg/L	10	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO ₄)	mg/L	7.6	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199

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Report No. 11669 cont...

Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
12	Nitrate (as NO ₃)	mg/L	8.6	45 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
13	Calcium (as Ca)	mg/L	44.1	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14	Magnesium (as Mg)	mg/L	14.6	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15	Fluoride (as F)	mg/L	0.445	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16	Boron (as B)	mg/L	<0.1	0.5 Max.	2.4 Max.	APHA 23 rd Ed. 2017, 4500-B B, 4-27
17	Dissolved Oxygen	mg/L	6.7	-	-	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18	Oil and Grease	mg/L	N.D.	-	-	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19	Cyanide (as CN)	mg/L	N.D.	0.05 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	0.001 Max.	0.002 Max.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)						
21	Iron (as Fe)	mg/L	0.084	0.3 Max.	No relaxation.	IS 3025 (Part 2) 2019
22	Manganese (as Mn)	mg/L	<0.01	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23	Aluminium (as Al)	mg/L	0.016	0.03 Max.	0.2 Max.	IS 3025 (Part 2) 2019
24	Cadmium (as Cd)	mg/L	N.D.	0.003Max.	No relaxation	IS 3025 (Part 2) 2019
25	Chromium Total (as Cr)	mg/L	N.D.	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26	Copper (as Cu)	mg/L	<0.01	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27	Lead (as Pb)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

ULR- TC74872100010967F



Report No. 11669 cont...

Sr. No	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
28	Zinc (as Zn)	mg/L	0.011	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29	Arsenic (as As)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30	Mercury (as Hg)	mg/L	N.D.	0.001Max.	No relaxation	APHA 23 rd Ed. 2017, 3112-B, 3-25
31	Selenium (as Se)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

Remarks: N.D.: Not Detected

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Kishor C. Yeole
Kishor C. Yeole

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Note:

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Test Report

Report No.: ME-NG11670-210826-SA-RIPL-AMRAVATI				Date: 26.08.2021		
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			Order Reference: SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ground Water/Grab	Sample Collected by	Laboratory			
Sampling Location	Well Water from Village Talkhanda	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 1L X 1 No. Glass Bottle			
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021			
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;					
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	26.08.2021			
Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
Discipline: Chemical Testing; Product Group: Water (Ground Water)						
1	Colour	Hazen	<1	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2006
3	Turbidity	NTU	1.5	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4	pH	-	8.0	6.5 to 8.5	No relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5	Residual Free Chlorine	mg/L	<0.05	0.2 Min.	1.0 Max.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6	Total Dissolved Solids	mg/L	454	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2006, Ed.2.1(1999-12)
7	Total Suspended Solids	mg/L	12	-	-	APHA 23 rd Ed. 2017, 2540-D, 2-69
8	Alkalinity Total (as CaCO ₃)	mg/L	222	200 Max.	600 Max.	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9	Total Hardness (as CaCO ₃)	mg/L	330	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10	Chloride (as Cl)	mg/L	25.0	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO ₄)	mg/L	74.0	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199

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Report No. 11670 cont...

Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
12	Nitrate (as NO ₃)	mg/L	39.9	45 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
13	Calcium (as Ca)	mg/L	114	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14	Magnesium (as Mg)	mg/L	11.2	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15	Fluoride (as F)	mg/L	0.451	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16	Boron (as B)	mg/L	<0.1	0.5 Max.	2.4 Max.	APHA 23 rd Ed. 2017, 4500-B B, 4-27
17	Dissolved Oxygen	mg/L	6.4	-	-	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18	Oil and Grease	mg/L	N.D.	-	-	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19	Cyanide (as CN)	mg/L	N.D.	0.05 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	0.001 Max.	0.002 Max.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)						
21	Iron (as Fe)	mg/L	0.271	0.3 Max.	No relaxation.	IS 3025 (Part 2) 2019
22	Manganese (as Mn)	mg/L	0.021	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23	Aluminium (as Al)	mg/L	0.018	0.03 Max.	0.2 Max.	IS 3025 (Part 2) 2019
24	Cadmium (as Cd)	mg/L	N.D.	0.003Max.	No relaxation	IS 3025 (Part 2) 2019
25	Chromium Total (as Cr)	mg/L	N.D.	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26	Copper (as Cu)	mg/L	0.038	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27	Lead (as Pb)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

ULR- TC74872100010968F



Report No. 11670 cont...

Sr. No	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
28	Zinc (as Zn)	mg/L	0.071	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29	Arsenic (as As)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30	Mercury (as Hg)	mg/L	N.D.	0.001Max.	No relaxation	APHA 23 rd Ed. 2017, 3112-B, 3-25
31	Selenium (as Se)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

Remarks: N.D.: Not Detected

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Kishor C. Yeole
Kishor C. Yeole

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Note:

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Test Report

Report No.: ME-NG11674-210826-SA-RIPL-AMRAVATI				Date: 26.08.2021		
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			Order Reference: SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ground Water/Grab	Sample Collected by	Laboratory			
Sampling Location	BoreWell Water Vill. Digargaon	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 1L X 1 No. Glass Bottle			
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021			
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;					
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	25.08.2021			
Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
Discipline: Chemical Testing; Product Group: Water (Ground Water)						
1	Colour	Hazen	<1	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2006
3	Turbidity	NTU	3.5	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4	pH	-	8.0	6.5 to 8.5	No relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5	Residual Free Chlorine	mg/L	<0.05	0.2 Min.	1.0 Max.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6	Total Dissolved Solids	mg/L	1034	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2006, Ed.2.1(1999-12)
7	Total Suspended Solids	mg/L	8	-	-	APHA 23 rd Ed. 2017, 2540-D, 2-69
8	Alkalinity Total (as CaCO ₃)	mg/L	458	200 Max.	600 Max.	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9	Total Hardness (as CaCO ₃)	mg/L	652	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10	Chloride (as Cl)	mg/L	150	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO ₄)	mg/L	135	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199

ULR- TC748721000010972F



Report No. 11674 cont...

Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
12	Nitrate (as NO ₃)	mg/L	44.3	45 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
13	Calcium (as Ca)	mg/L	186	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14	Magnesium (as Mg)	mg/L	45.7	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15	Fluoride (as F)	mg/L	0.474	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16	Boron (as B)	mg/L	<0.1	0.5 Max.	2.4 Max.	APHA 23 rd Ed. 2017, 4500-B B, 4-27
17	Dissolved Oxygen	mg/L	6.6	-	-	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18	Oil and Grease	mg/L	N.D.	-	-	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19	Cyanide (as CN)	mg/L	N.D.	0.05 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	0.001 Max.	0.002 Max.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)						
21	Iron (as Fe)	mg/L	0.368	0.3 Max.	No relaxation.	IS 3025 (Part 2) 2019
22	Manganese (as Mn)	mg/L	0.029	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23	Aluminium (as Al)	mg/L	0.021	0.03 Max.	0.2 Max.	IS 3025 (Part 2) 2019
24	Cadmium (as Cd)	mg/L	N.D.	0.003Max.	No relaxation	IS 3025 (Part 2) 2019
25	Chromium Total (as Cr)	mg/L	N.D.	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26	Copper (as Cu)	mg/L	0.036	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27	Lead (as Pb)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

ULR- TC74872100010972F



Report No. 11674 cont...

Sr. No	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
28	Zinc (as Zn)	mg/L	0.034	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29	Arsenic (as As)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30	Mercury (as Hg)	mg/L	N.D.	0.001Max.	No relaxation	APHA 23 rd Ed. 2017, 3112-B, 3-25
31	Selenium (as Se)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

Remarks: N.D.: Not Detected

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.


Kishor C. Yeole

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Test Report

Report No.: ME-NG11671-210826-SA-RIPL-AMRAVATI				Date: 26.08.2021		
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			Order Reference: SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ground Water/Grab	Sample Collected by	Laboratory			
Sampling Location	Mr. Narayan Lomte Back Side Of Ash Dyke	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 1L X 1 No. Glass Bottle			
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021			
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;					
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	25.08.2021			
Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
Discipline: Chemical Testing; Product Group: Water (Ground Water)						
1	Colour	Hazen	<1	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2006
3	Turbidity	NTU	1.5	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4	pH	-	8.1	6.5 to 8.5	No relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5	Residual Free Chlorine	mg/L	<0.05	0.2 Min.	1.0 Max.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6	Total Dissolved Solids	mg/L	460	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2006, Ed.2.1(1999-12)
7	Total Suspended Solids	mg/L	7	-	-	APHA 23 rd Ed. 2017, 2540-D, 2-69
8	Alkalinity Total (as CaCO ₃)	mg/L	240	200 Max.	600 Max.	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9	Total Hardness (as CaCO ₃)	mg/L	340	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10	Chloride (as Cl)	mg/L	24.0	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO ₄)	mg/L	70.0	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199

ULR- TC748721000010969F



Report No. 11671 cont...

Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
12	Nitrate (as NO ₃)	mg/L	39.9	45 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
13	Calcium (as Ca)	mg/L	98.6	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14	Magnesium (as Mg)	mg/L	22.8	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15	Fluoride (as F)	mg/L	0.457	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16	Boron (as B)	mg/L	<0.1	0.5 Max.	2.4 Max.	APHA 23 rd Ed. 2017, 4500-B B, 4-27
17	Dissolved Oxygen	mg/L	6.5	-	-	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18	Oil and Grease	mg/L	N.D.	-	-	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19	Cyanide (as CN)	mg/L	N.D.	0.05 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	0.001 Max.	0.002 Max.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)						
21	Iron (as Fe)	mg/L	0.318	0.3 Max.	No relaxation.	IS 3025 (Part 2) 2019
22	Manganese (as Mn)	mg/L	0.015	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23	Aluminium (as Al)	mg/L	0.013	0.03 Max.	0.2 Max.	IS 3025 (Part 2) 2019
24	Cadmium (as Cd)	mg/L	N.D.	0.003Max.	No relaxation	IS 3025 (Part 2) 2019
25	Chromium Total (as Cr)	mg/L	N.D.	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26	Copper (as Cu)	mg/L	<0.01	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27	Lead (as Pb)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

ULR- TC74872100010969F



Report No. 11671 cont...

Sr. No	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
28	Zinc (as Zn)	mg/L	0.039	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29	Arsenic (as As)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30	Mercury (as Hg)	mg/L	N.D.	0.001Max.	No relaxation	APHA 23 rd Ed. 2017, 3112-B, 3-25
31	Selenium (as Se)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

Remarks: N.D.: Not Detected

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Kishor C. Yeole
Kishor C. Yeole

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Test Report

Report No.: ME-NG11673-210826-SA-RIPL-AMRAVATI				Date: 26.08.2021		
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			Order Reference: SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ground Water/Grab	Sample Collected by	Laboratory			
Sampling Location	Well Water from Vill. Pimpalvihirgaon	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 1L X 1 No. Glass Bottle			
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021			
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;					
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	25.08.2021			
Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
Discipline: Chemical Testing; Product Group: Water (Ground Water)						
1	Colour	Hazen	<1	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2006
3	Turbidity	NTU	1.9	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4	pH	-	8.0	6.5 to 8.5	No relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5	Residual Free Chlorine	mg/L	<0.05	0.2 Min.	1.0 Max.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6	Total Dissolved Solids	mg/L	270	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2006, Ed.2.1(1999-12)
7	Total Suspended Solids	mg/L	9	-	-	APHA 23 rd Ed. 2017, 2540-D, 2-69
8	Alkalinity Total (as CaCO ₃)	mg/L	200	200 Max.	600 Max.	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9	Total Hardness (as CaCO ₃)	mg/L	230	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10	Chloride (as Cl)	mg/L	15.0	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO ₄)	mg/L	25.0	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199

ULR- TC748721000010971F



Report No. 11673 cont...

Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
12	Nitrate (as NO ₃)	mg/L	3.56	45 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
13	Calcium (as Ca)	mg/L	44.9	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14	Magnesium (as Mg)	mg/L	28.7	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15	Fluoride (as F)	mg/L	0.410	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16	Boron (as B)	mg/L	<0.1	0.5 Max.	2.4 Max.	APHA 23 rd Ed. 2017, 4500-B B, 4-27
17	Dissolved Oxygen	mg/L	6.5	-	-	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18	Oil and Grease	mg/L	N.D.	-	-	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19	Cyanide (as CN)	mg/L	N.D.	0.05 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	0.001 Max.	0.002 Max.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)						
21	Iron (as Fe)	mg/L	0.188	0.3 Max.	No relaxation.	IS 3025 (Part 2) 2019
22	Manganese (as Mn)	mg/L	0.011	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23	Aluminium (as Al)	mg/L	0.018	0.03 Max.	0.2 Max.	IS 3025 (Part 2) 2019
24	Cadmium (as Cd)	mg/L	N.D.	0.003Max.	No relaxation	IS 3025 (Part 2) 2019
25	Chromium Total (as Cr)	mg/L	N.D.	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26	Copper (as Cu)	mg/L	<0.01	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27	Lead (as Pb)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

ULR- TC74872100010971F



Report No. 11673 cont...

Sr. No	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
28	Zinc (as Zn)	mg/L	0.033	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29	Arsenic (as As)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30	Mercury (as Hg)	mg/L	N.D.	0.001Max.	No relaxation	APHA 23 rd Ed. 2017, 3112-B, 3-25
31	Selenium (as Se)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

Remarks: N.D.: Not Detected

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Kishor C. Yeole

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TC-7487



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Engineers, Consultants, Environmental Monitoring Laboratory & Contractors
Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,
Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagapur-441111

Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

Test Report

Report No.: ME-NG11666-210826-SA-RIPL-AMRAVATI		Date: 26.08.2021	
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		Order Reference:
			SO No. 3382019103 Dt.17.05.2021
Sample Description/Type	Surface Water	Sample Collected by	Laboratory
Sampling Location	Malegaon Pond	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1No. PVC Can 1L X 1No.Glass Bottle
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;		
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	25.08.2021

ULR- TC748721000010964F

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Water (Surface Water)				
1.	Colour	Hazen	<1	APHA 23 rd Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	IS 3025 (Part 05):1984, Reaffirmed 2006
3.	Turbidity	NTU	1.7	APHA 23 rd Ed. 2017, 2130-B, 2-13
4.	pH	-	8.1	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5.	Residual Free Chlorine	mg/L	<0.05	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6.	Total Dissolved Solids	mg/L	480	IS 3025 (Part 16):1984 Reaffirmed 2006, Ed.2.1(1999-12)
7.	Total Suspended Solids	mg/L	11	APHA 23 rd Ed. 2017, 2540-D, 2-69
8.	Alkalinity Total (as CaCO ₃)	mg/L	86.0	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9.	Total Hardness (as CaCO ₃)	mg/L	354	APHA 23 rd Ed. 2017, 2340-C, 2-48
10.	Chloride (as Cl)	mg/L	61.0	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11.	Sulphate (as SO ₄)	mg/L	221	APHA 23 rd Ed. 2017, 4500- SO ₄ -E, 4-199
12.	Nitrate (as NO ₃)	mg/L	<0.5	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
13.	Calcium (as Ca)	mg/L	86.6	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14.	Magnesium (as Mg)	mg/L	33.5	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15.	Fluoride (as F)	mg/L	0.416	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16.	Boron (as B)	mg/L	<0.1	APHA 23 rd Ed. 2017, 4500-B B, 4-27



Report No.11666 Cont...

Sr. No.	Parameter	Unit	Result	Method Reference
17.	Dissolved Oxygen	mg/L	6.4	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18.	Oil and Grease	mg/L	N.D.	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19.	Cyanide (as CN)	mg/L	N.D.	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)				
21.	Iron (as Fe)	mg/L	0.128	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.012	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	<0.025	IS 3025 (Part 2) 2019
24.	Cadmium (as Cd)	mg/L	N.D.	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	N.D.	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	N.D.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	N.D.	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	0.022	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	N.D.	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	N.D.	APHA 23 rd Ed. 2017, 3112-B, 3-25
31.	Selenium (as Se)	mg/L	N.D.	IS 3025 (Part 2) 2019
Remarks: N.D.: Not Detected; NA: Not Applicable				

ULR- TC748721000010964F

-END-

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Kishor C. Yeole

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Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra
 (600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Next to Ashida Electrical - near J B Sawant Bus Stop)
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Mahabal Enviro Engineers Pvt. Ltd.

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Test Report

Report No.: ME-NG11672-210826-SA-RIPL-AMRAVATI				Date: 26.08.2021		
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			Order Reference: SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Ground Water/Grab	Sample Collected by	Laboratory			
Sampling Location	Well Water Vill. Kapustalni	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1 No. PVC Can 1L X 1 No. Glass Bottle			
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021			
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;					
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	25.08.2021			
Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
Discipline: Chemical Testing; Product Group: Water (Ground Water)						
1	Colour	Hazen	<1	5 Max.	15 Max.	APHA 23 rd Ed. 2017, 2120-B, 2-6
2	Odour	-	Agreeable	Agreeable	Agreeable	IS 3025 (Part 5):1984, Reaffirmed 2006
3	Turbidity	NTU	1.7	1 Max.	5 Max.	APHA 23 rd Ed. 2017, 2130-B, 2-13
4	pH	-	8.0	6.5 to 8.5	No relaxation	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5	Residual Free Chlorine	mg/L	<0.05	0.2 Min.	1.0 Max.	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6	Total Dissolved Solids	mg/L	461	500 Max.	2000 Max.	IS 3025 (Part 16):1984 RA 2006, Ed.2.1(1999-12)
7	Total Suspended Solids	mg/L	8	-	-	APHA 23 rd Ed. 2017, 2540-D, 2-69
8	Alkalinity Total (as CaCO ₃)	mg/L	230	200 Max.	600 Max.	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9	Total Hardness (as CaCO ₃)	mg/L	334	200 Max.	600 Max.	APHA 23 rd Ed. 2017, 2340-C, 2-48
10	Chloride (as Cl)	mg/L	25.0	250 Max.	1000 Max.	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11	Sulphate (as SO ₄)	mg/L	72.0	200 Max.	400 Max.	APHA 23 rd Ed. 2017, 4500-SO ₄ -E, 4-199

ULR- TC748721000010970F



Report No. 11672 cont...

Sr. No.	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
12	Nitrate (as NO ₃)	mg/L	39.4	45 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-NO ₃ , B 4-127
13	Calcium (as Ca)	mg/L	97.0	75 Max.	200 Max.	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14	Magnesium (as Mg)	mg/L	22.4	30 Max.	100 Max.	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15	Fluoride (as F)	mg/L	0.439	1 Max.	1.5 Max.	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16	Boron (as B)	mg/L	<0.1	0.5 Max.	2.4 Max.	APHA 23 rd Ed. 2017, 4500-B B, 4-27
17	Dissolved Oxygen	mg/L	6.8	-	-	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18	Oil and Grease	mg/L	N.D.	-	-	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19	Cyanide (as CN)	mg/L	N.D.	0.05 Max.	No relaxation	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	0.001 Max.	0.002 Max.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)						
21	Iron (as Fe)	mg/L	0.151	0.3 Max.	No relaxation.	IS 3025 (Part 2) 2019
22	Manganese (as Mn)	mg/L	0.019	0.1 Max.	0.3 Max.	IS 3025 (Part 2) 2019
23	Aluminium (as Al)	mg/L	0.016	0.03 Max.	0.2 Max.	IS 3025 (Part 2) 2019
24	Cadmium (as Cd)	mg/L	N.D.	0.003Max.	No relaxation	IS 3025 (Part 2) 2019
25	Chromium Total (as Cr)	mg/L	N.D.	0.05 Max.	No relaxation	IS 3025 (Part 2) 2019
26	Copper (as Cu)	mg/L	0.040	0.05 Max.	1.5 Max.	IS 3025 (Part 2) 2019
27	Lead (as Pb)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

ULR- TC74872100010970F



Report No. 11672 cont...

Sr. No	Parameter	Unit	Result	Limit for Drinking water as per IS 10500:2012		Method Reference
				Acceptable Limit	Permissible Limit in the Absence of Alternate Source	
28	Zinc (as Zn)	mg/L	0.039	5 Max.	15 Max.	IS 3025 (Part 2) 2019
29	Arsenic (as As)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019
30	Mercury (as Hg)	mg/L	N.D.	0.001Max.	No relaxation	APHA 23 rd Ed. 2017, 3112-B, 3-25
31	Selenium (as Se)	mg/L	N.D.	0.01 Max.	No relaxation	IS 3025 (Part 2) 2019

Remarks: N.D.: Not Detected

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FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.


Kishor C. Yeole

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Test Report

Report No.: ME-NG11667-210826-SA-RIPL-AMRAVATI		Date: 26.08.2021	
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	Order Reference:	
		SO No. 3382019103 Dt.17.05.2021	
Sample Description/Type	Surface Water	Sample Collected by	Laboratory
Sampling Location	Wagholi Pond	Sample Quantity/Packing	2 L X 1 No. PVC Can 500mL X 1No. PVC Can 1L X 1No.Glass Bottle
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021
Sampling Procedure	IS:3025(Part I):1987 RA 2003; APHA 23 rd Ed. 2017, 1060-B, 1-40;		
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	25.08.2021

ULR- TC748721000010965F

Sr. No.	Parameter	Unit	Result	Method Reference
Discipline: Chemical Testing; Product Group: Water (Surface Water)				
1.	Colour	Hazen	<1	APHA 23 rd Ed. 2017, 2120-B, 2-6
2.	Odour	-	Agreeable	IS 3025 (Part 05):1984, Reaffirmed 2006
3.	Turbidity	NTU	1.9	APHA 23 rd Ed. 2017, 2130-B, 2-13
4.	pH	-	8.0	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
5.	Residual Free Chlorine	mg/L	<0.05	APHA 23 rd Ed. 2017, 4500-Cl G, 4-72
6.	Total Dissolved Solids	mg/L	488	IS 3025 (Part 16):1984 Reaffirmed 2006, Ed.2.1(1999-12)
7.	Total Suspended Solids	mg/L	7	APHA 23 rd Ed. 2017, 2540-D, 2-69
8.	Alkalinity Total (as CaCO ₃)	mg/L	88.0	IS 3025 (Part 23):1986 Reaffirmed 2009 Amds 1
9.	Total Hardness (as CaCO ₃)	mg/L	340	APHA 23 rd Ed. 2017, 2340-C, 2-48
10.	Chloride (as Cl)	mg/L	58.0	APHA 23 rd Ed. 2017, 4500-Cl-B, 4-75
11.	Sulphate (as SO ₄)	mg/L	219	APHA 23 rd Ed. 2017, 4500- SO ₄ -E, 4-199
12.	Nitrate (as NO ₃)	mg/L	<0.5	APHA 23 rd Ed. 2017, 4500-NO ₃ , E 4-131
13.	Calcium (as Ca)	mg/L	98.6	APHA 23 rd Ed. 2017, 3500-Ca-B, 3-69
14.	Magnesium (as Mg)	mg/L	22.8	APHA 23 rd Ed. 2017, 3500-Mg- B, 3-86
15.	Fluoride (as F)	mg/L	0.399	APHA 23 rd Ed. 2017, 4500-F, D, 4-90
16.	Boron (as B)	mg/L	<0.1	APHA 23 rd Ed. 2017, 4500-B B, 4-27

Page 1 of 2

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Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra
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Phone: 2582 0658/ 3139/ 1663/ 3154 WP: 8928346894 thane@mahabal.com



Report No.11667 Cont...

Sr. No.	Parameter	Unit	Result	Method Reference
17.	Dissolved Oxygen	mg/L	6.7	APHA 23 rd Ed. 2017, 4500-O, B & C, 4-144, 4-146
18.	Oil and Grease	mg/L	N.D.	IS 3025 (Part 39): 1991, Reaffirmed 2009, Amds.1
19.	Cyanide (as CN)	mg/L	N.D.	APHA 23 rd Ed. 2017, 4500-CN, C & E, 4-44 & 4-46
20.	Phenolic Compounds (as C ₆ H ₅ OH)	mg/L	N.D.	APHA 23 rd Ed. 2017, 5530- B & C, 5-49, 5-50
Residues in water (Trace metal Element)				
21.	Iron (as Fe)	mg/L	0.087	IS 3025 (Part 2) 2019
22.	Manganese (as Mn)	mg/L	0.023	IS 3025 (Part 2) 2019
23.	Aluminium (as Al)	mg/L	<0.025	IS 3025 (Part 2) 2019
24.	Cadmium (as Cd)	mg/L	N.D.	IS 3025 (Part 2) 2019
25.	Chromium Total (as Cr)	mg/L	N.D.	IS 3025 (Part 2) 2019
26.	Copper (as Cu)	mg/L	N.D.	IS 3025 (Part 2) 2019
27.	Lead (as Pb)	mg/L	N.D.	IS 3025 (Part 2) 2019
28.	Zinc (as Zn)	mg/L	0.029	IS 3025 (Part 2) 2019
29.	Arsenic (as As)	mg/L	N.D.	IS 3025 (Part 2) 2019
30.	Mercury (as Hg)	mg/L	N.D.	APHA 23 rd Ed. 2017, 3112-B, 3-25
31.	Selenium (as Se)	mg/L	N.D.	IS 3025 (Part 2) 2019
Remarks: N.D.: Not Detected; NA: Not Applicable				

ULR- TC748721000010965F

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Kishor C. Yeole

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Phone : 91-712-2612162, 2612212, WP:9326279040 Email: mahabal.nagpur@gmail.com

Test Report

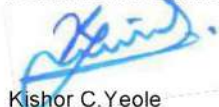
Report No.: ME-NG11663-210826-SA-RIPL-AMRAVATI		Date: 26.08.2021	
Name and Address of Customer	RATTANINDIA POWER LIMITED Plot No.D-2 & D-2 (PART) at Additional MIDC, Village-Nandgaonpeth, Tal & Dist: Amravati 444 901		Order Reference:
			SO No. 3382019103 Dt.17.05.2021
Sample Description/Type	Domestic Effluent	Sample Collected by	Laboratory
Sampling Location	1.Colony STP Outlet 2.Plant STP Outlet	Sample Quantity/Packing	2 L X 2 No. PVC Can 100mL X 2 No. PVC Can
Date of Sampling	14.08.2021	Date of Receipt of Sample	14.08.2021
Sampling Procedure	IS:3025(Part I): 1987 RA2003, APHA 23 rd Ed. 2017, 1060-B, 1-40		
Date of Start of Analysis	14.08.2021	Date of Completion of Analysis	25.08.2021

ULR- TC748721000010961F

Sr. No.	Parameter	Unit	Result		Limit as per Consent	Method Reference
			1	2		
Discipline : Chemical Testing; Product Group: Pollution & Environment(Waste Water)						
1	pH	-	8.0	8.0	6.5 to 8.5	APHA 23 rd Ed. 2017, 4500-H ⁺ -B, 4-95
2	Biochemical Oxygen Demand (BOD at 3 days at 27 ^o C)	mg/L	7.3	5.8	30 Max.	IS 3025 (Part 44): 1993, Reaffirmed 2009
3	Chemical Oxygen Demand (COD)	mg/L	24	20	250 Max.	APHA 23 rd Ed. 2017, 5220-B, 5-18
Remarks: N.D. Not Detected						

-----END-----

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.



Kishor C. Yeole
BRANCH MANAGER



Note:

1. The result listed refers only to the tested sample(s) and applicable parameter(s).
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QF/SALE/02/Issue No 03 Dt 05.12.2019,Amd 00 Dt 00

Plot No. F-7, Road No. 21, MIDC Wagle Estate, Thane West - 400604, Maharashtra
(600 m from Hotel Rukhmini Palace Turn Opp Toyota Show Room. Next to Ashida Electrical - near J B Sawant Bus Stop)
Phone: 2582 0658/ 3139/ 1663/ 3154 WP: 8928346894 thane@mahabal.com



Mahabal Enviro Engineers Pvt. Ltd.

Engineers, Consultants, Environmental Monitoring Laboratory & Contractors
Plot Nos. 13,14,17,18, Grampanchayat Bokhara, 8 km from Nagpur City,
Opp. Patel Petrol Pump, Chhindwara Road, Koradi, Dist.Nagpur-441111
Phone : 91-712-2612162, 2612212 Email: mahabal.nagpur@gmail.com

Test Report

Report No.: ME-NG11658-210820-SA-RIPL-AMRAVATI		Date: 20.08.2021	
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		Order Reference:
			SO No. 3382019103 Dt.17.05.2021
Sample Description/Type	Noise Level Monitoring	Sample Collected by	NA
Date of Sampling	13.08.2021		
Sampling Procedure	IS 9876:1981 & manufacturer Manual		

Discipline: Chemical Testing; Product Group: Atmospheric Pollution Source Noise (Excluding Vibrations)			
Location	Unit	Result	
		Max.	Min.
Near Main Gate	dB(A)	67.4	59.8
Near Compressor Room	dB(A)	68.5	62.7
Near CHP Crusher House	dB(A)	66.7	61.7
Near Colony	dB(A)	64.8	60.9
Turbine area No. 3 & 4	dB(A)	71.9	66.3
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	
Remark :			

ULR-TC748721000109566F

FOR MAHABAL ENVIRO ENGINEERS PVT. LTD.

Kishor Yeole
BRANCH MANAGER



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QF/SALE/05/Issue No 03 Dt 05.12.2019,Amd 00 Dt 06

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