



TEST REPORT

Report No. : NSEL280926NA087

ULR No. : NA



Issued To #	Power Mech Projects Limited. Vedanta Power Limited, Talwandi Sabo Thermal Plant. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Reference Type	: PO Number
Name of Sample #	: Emission Stack-Thermal Power Plant	Reference No	: 5100044398 Dt.: 18/11/2025
Sampling Protocol	: IS 11255, CPCB: LATS/80/2013-14	Period of Sampling	: 26/09/2026 - 26/09/2026
Sample/Data Collection	: Sample collected by Laboratory	Date of Sample Receipt	: 28/09/2026
Source of Emission	: Boiler Stack (Unit-1; Third Unit) 660 MW	Period of Analysis	: 28/09/2026 - 05/10/2026
Stack Description #	: Single, Circular & Metal	Date of Reporting	: 05/10/2026
Point of Sample Collection	: From Port Hole after APCD	Fuel Used	: Coal + Biomass
APCD Details (If provided)	: ESP Followed with Fabric Filter	Sample Code	: 280991326SE
Standard/Specification	: Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	: On Site & Permanent Facility		

TEST RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	38	50(max.)	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1078	Not Specified	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	163	450(max.)	EL-QTM-08
4	Mercury as Hg	mg/Nm3	BDL (0.01)	0.03(max.)	USEPA Method 29
5	Flue gas velocity	m/s	25.7	Not Specified	IS 11255 : Part 3
6	Moisture	%	15.3	Not Specified	IS 11255 : Part 3
7	Temperature	°C	123	Not Specified	IS 11255 : Part 3
8	Oxygen as O2	%	6.9	Not Specified	EL-QTM-08
9	Carbon dioxide as CO2	%	10.5	Not Specified	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	4.1	Not Specified	EL-QTM-08

Remarks : NA

Mr. Mukesh Chand Agarwal - EL-0317
Authorized Signatory- Chemical

EL-FMT-7.8.2-SE

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Terms & Conditions

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Eco Paryavarán Laboratories and Consultants Pvt. Ltd.

E-207, Industrial Area, Phase 8B (Sector 74) Mohali Punjab, 160071

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TEST REPORT

Report No. : NSEL280926NA087

ULR No. : NA



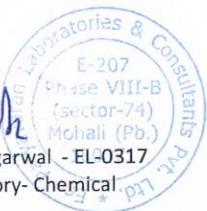
TC-11818

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable. # Information provided by customer.

****End of Report****


Mr. Mukesh Chand Agarwal - EL-0317
Authorized Signatory- Chemical



EL-FMT-7.8.2-SE

Page No.2/2

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TEST REPORT

Report No. : NSEL280926NA089

ULR No. : NA



Issued To #	Power Mech Projects Limited. Vedanta Power Limited, Talwandi Sabo Thermal Plant. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Reference Type	: PO Number
Name of Sample #	: Emission Stack-Thermal Power Plant	Reference No	: 5100044398 Dt.: 18/11/2025
Sampling Protocol	: IS 11255, CPCB: LATS/80/2013-14	Period of Sampling	: 26/09/2026 - 26/09/2026
Sample/Data Collection	: Sample collected by Laboratory	Date of Sample Receipt	: 28/09/2026
Source of Emission	: Boiler Stack (Unit-2; First Unit) 660 MW	Period of Analysis	: 28/09/2026 - 05/10/2026
Stack Description #	: Single, Circular & Metal	Date of Reporting	: 05/10/2026
Point of Sample Collection	: From Port Hole after APCD	Fuel Used	: Coal + Biomass
APCD Details (If provided)	: ESP Followed with Fabric Filter	Sample Code	: 280991126SE
Standard/Specification	: Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	: On Site & Permanent Facility		

TEST RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Particulate Matter (at 6% O ₂ Corr.)	mg/Nm ³	34	50(max.)	IS 11255 (Part-1)
2	Sulphur dioxide as SO ₂ (at 6% O ₂ Corr.)	mg/Nm ³	1091	Not Specified	EL-QTM-08
3	Oxides of Nitrogen (at 6% O ₂ Corr.)	mg/Nm ³	170	450(max.)	EL-QTM-08
4	Mercury as Hg	mg/Nm ³	BDL (0.01)	0.03(max.)	USEPA Method 29
5	Flue gas velocity	m/s	25.9	Not Specified	IS 11255 : Part 3
6	Moisture	%	14.7	Not Specified	IS 11255 : Part 3
7	Temperature	°C	126	Not Specified	IS 11255 : Part 3
8	Oxygen as O ₂	%	6.5	Not Specified	EL-QTM-08
9	Carbon dioxide as CO ₂	%	10.9	Not Specified	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm ³	4.0	Not Specified	EL-QTM-08

Remarks : NA

Mr. Mukesh Chand Agarwal - EL-0317
Authorized Signatory- Chemical

EL-FMT-7.8.2-SE

Page No.1/2

Terms & Conditions

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TEST REPORT

Report No. : NSEL280926NA089

ULR No. : NA

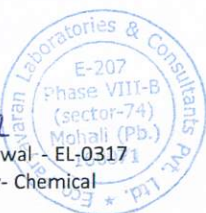


OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable. # Information provided by customer.

****End of Report****

Mr. Mukesh Chand Agarwal - EL-0317
Authorized Signatory- Chemical



EL-FMT-7.8.2-SE

Page No.2/2

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TEST REPORT

Report No. : NSEL280926NA088

ULR No. : NA



TC-11818



Issued To #	Power Mech Projects Limited. Vedanta Power Limited, Talwandi Sabo Thermal Plant. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Reference Type	: PO Number
Name of Sample #	: Emission Stack-Thermal Power Plant	Reference No	: 5100044398 Dt.: 18/11/2025
Sampling Protocol	: IS 11255, CPCB: LATS/80/2013-14	Period of Sampling	: 26/09/2026 - 26/09/2026
Sample/Data Collection	: Sample collected by Laboratory	Date of Sample Receipt	: 28/09/2026
Source of Emission	: Boiler Stack (Unit-3; Second Unit) 660 MW	Period of Analysis	: 28/09/2026 - 05/10/2026
Stack Description #	: Single, Circular & Metal	Date of Reporting	: 05/10/2026
Point of Sample Collection	: From Port Hole after APCD	Fuel Used	: Coal + Biomass
APCD Details (If provided)	: ESP Followed with Fabric Filter	Sample Code	: 280991226SE
Standard/Specification	: Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	: On Site & Permanent Facility		

TEST RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	41	50(max.)	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1063	Not Specified	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	176	450(max.)	EL-QTM-08
4	Mercury as Hg	mg/Nm3	BDL (0.01)	0.03(max.)	USEPA Method 29
5	Flue gas velocity	m/s	25.6	Not Specified	IS 11255 : Part 3
6	Moisture	%	15.1	Not Specified	IS 11255 : Part 3
7	Temperature	°C	130	Not Specified	IS 11255 : Part 3
8	Oxygen as O2	%	6.8	Not Specified	EL-QTM-08
9	Carbon dioxide as CO2	%	10.6	Not Specified	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	4.1	Not Specified	EL-QTM-08

Remarks : NA

Mr. Mukesh Chand Agarwal - EL-0317
Authorized Signatory- Chemical

EL-FMT-7.8.2-SE

Page No.1/2

Terms & Conditions

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TEST REPORT

Report No. : NSEL280926NA088

ULR No. : NA

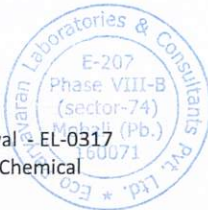


OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable. # Information provided by customer.

****End of Report****

Mr. Mukesh Chand Agarwal EL-0317
Authorized Signatory- Chemical



EL-FMT-7.8.2-SE

Page No.2/2

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TEST REPORT

Report No. : NAAL140926NA045

ULR No. : NA



Issued To #	Power Mech Projects Limited. Vedanta Power Limited, Talwandi Sabo Thermal Plant. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Reference Type	: Work Order No
Name of Sample #	: Ambient Air	Reference No	: 5100044398 Dt.: 18/11/2025
Sampling Protocol	: IS 5182, EL-MSP-7.3	Sample/Data Collection	: Sample collected by Laboratory
Period of Sampling	: 10/09/2026 - 11/09/2026	Date of Sample Receipt	: 14/09/2026
Sampling Location	: Station No.1	Period of Analysis	: 14/09/2026 - 21/09/2026
Testing Location	: On Site & Permanent Facility	Date of Reporting	: 21/09/2026
Sample Code	: 140995526AA		
Standard/Specification	: National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009		
Environmental Condition	: Clear Sky		

TEST RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	74	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	44	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	BDL (25)	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	24	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.55	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable. # Information provided by customer

End of Report

Mr. Umesh Kumar - EL-0156
Authorized Signatory- Chemical

EL-FMT-7.8.2 -AA

Page No.1/1

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TEST REPORT

Report No. : NAAL140926NA046

ULR No. : NA



Issued To #	Power Mech Projects Limited. Vedanta Power Limited, Talwandi Sabo Thermal Plant. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Reference Type	: Work Order No
Name of Sample #	: Ambient Air	Reference No	: 5100044398 Dt.: 18/11/2025
Sampling Protocol	: IS 5182, EL-MSP-7.3	Sample/Data Collection	: Sample collected by Laboratory
Period of Sampling	: 10/09/2026 - 11/09/2026	Date of Sample Receipt	: 14/09/2026
Sampling Location	: Station No.2	Period of Analysis	: 14/09/2026 - 21/09/2026
Testing Location	: On Site & Permanent Facility	Date of Reporting	: 21/09/2026
Sample Code	: 140995426AA		
Standard/Specification	: National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009		
Environmental Condition	: Clear Sky		

TEST RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	78	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	46	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	BDL (25)	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	25	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.63	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable. # Information provided by customer

End of Report

Mr. Umesh Kumar - EL-0156
Authorized Signatory- Chemical

EL-FMT-7.8.2 -AA

Page No.1/1

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TEST REPORT

Report No. : NAAL140926NA047

ULR No. : NA



Issued To #	Power Mech Projects Limited. Vedanta Power Limited, Talwandi Sabo Thermal Plant. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Reference Type	: Work Order No
Name of Sample #	: Ambient Air	Reference No	: 5100044398 Dt.: 18/11/2025
Sampling Protocol	: IS 5182, EL-MSP-7.3	Sample/Data Collection	: Sample collected by Laboratory
Period of Sampling	: 10/09/2026 - 11/09/2026	Date of Sample Receipt	: 14/09/2026
Sampling Location	: Station No.3	Period of Analysis	: 14/09/2026 - 21/09/2026
Testing Location	: On Site & Permanent Facility	Date of Reporting	: 21/09/2026
Sample Code	: 140995326AA		
Standard/Specification	: National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009		
Environmental Condition	: Clear Sky		

TEST RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	71	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	43	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	BDL (25)	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	27	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.56	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable. # Information provided by customer

End of Report

Mr. Umesh Kumar - EL-0156

Authorized Signatory- Chemical

EL-FMT-7.8.2 -AA

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TEST REPORT

Report No. : NAAL140926NA048

ULR No. : NA



Issued To #	Power Mech Projects Limited. Vedanta Power Limited, Talwandi Sabo Thermal Plant. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Reference Type	: Work Order No
Name of Sample #	: Ambient Air	Reference No	: 5100044398 Dt.: 18/11/2025
Sampling Protocol	: IS 5182, EL-MSP-7.3	Sample/Data Collection	: Sample collected by Laboratory
Period of Sampling	: 10/09/2026 - 11/09/2026	Date of Sample Receipt	: 14/09/2026
Sampling Location	: Station No.4	Period of Analysis	: 14/09/2026 - 21/09/2026
Testing Location	: On Site & Permanent Facility	Date of Reporting	: 21/09/2026
Sample Code	: 140995226AA		
Standard/Specification	: National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009		
Environmental Condition	: Clear Sky		

TEST RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	73	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	43	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	BDL (25)	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	23	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.58	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable. # Information provided by customer

End of Report



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EL-FMT-7.8.2 -AA

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- Total liability of Laboratory is limited to the invoiced amount only.
- For any feedback or complaints, please reach us through mobile No. +91 88720 43135 or email quality@ecoparyavarán.org

Eco Paryavarán Laboratories and Consultants Pvt. Ltd.

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TEST REPORT

Report No. : NAAL140926NA049

ULR No. : NA



Issued To #	Power Mech Projects Limited. Vedanta Power Limited, Talwandi Sabo Thermal Plant. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Reference Type	: Work Order No
Name of Sample #	: Ambient Air	Reference No	: 5100044398 Dt.: 18/11/2025
Sampling Protocol	: IS 5182, EL-MSP-7.3	Sample/Data Collection	: Sample collected by Laboratory
Period of Sampling	: 10/09/2026 - 11/09/2026	Date of Sample Receipt	: 14/09/2026
Sampling Location	: Village- Chehlanwali	Period of Analysis	: 14/09/2026 - 21/09/2026
Testing Location	: On Site & Permanent Facility	Date of Reporting	: 21/09/2026
Sample Code	: 140995126AA		
Standard/Specification	: National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009		
Environmental Condition	: Clear Sky		

TEST RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	82	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	49	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	BDL (25)	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	28	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.66	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable. # Information provided by customer

End of Report



Mr. Umesh Kumar - EL-0156
Authorized Signatory- Chemical

EL-FMT-7.8.2 -AA

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Terms & Conditions

- Test results relate only to the sample tested. Sample not drawn by us unless otherwise stated.
- Remnant but intact (Sealed) sample shall be retained as per Lab's Procedure. Perishable items shall be disposed of after issuing the test report to customers.
- Test report in full or parts shall not be used for promotional, publicity purpose and as evidence in court of law without written permission by top management of Laboratory.
- Giving opinion does not imply endorsement of the tested product.
- Under no circumstances, laboratory accepts any liabilities caused by use or misuse of the test report.
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