

TEST REPORT



ULR No : NA		Test Report No : NSEL120126NA080	
Type of Sample # : Stack Emission			
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	08/01/2026 - 08/01/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	12/01/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	12/01/2026 - 20/01/2026
Source of Emission	Boiler Stack- 660 MW (Unit-3, Second Unit)	Date of reporting	20/01/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal + Boimass
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP Followed with Fabric Filter
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	38	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1052	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	178	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	25.8	IS 11255 : Part 3
6	Moisture	%	15.1	IS 11255 : Part 3
7	Temperature	°C	126	IS 11255 : Part 3
8	Oxygen as O2	%	6.6	EL-QTM-08
9	Carbon dioxide as CO2	%	10.3	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08

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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NSEL120126NA080

Type of Sample # : Stack Emission

Remarks : NA

****End of Report****

OTHER INFORMATION

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

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TEST REPORT



ULR No : NA		Test Report No : NSEL120126NA081	
Type of Sample # : Stack Emission			
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	08/01/2026 - 08/01/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	12/01/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	12/01/2026 - 20/01/2026
Source of Emission	Boiler Stack- 660 MW (Unit-2, First Unit)	Date of reporting	20/01/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal + Boimass
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP Followed with Fabric Filter
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	40	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1033	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	175	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	26.1	IS 11255 : Part 3
6	Moisture	%	14.7	IS 11255 : Part 3
7	Temperature	°C	128	IS 11255 : Part 3
8	Oxygen as O2	%	6.3	EL-QTM-08
9	Carbon dioxide as CO2	%	10.7	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08

Remarks : NA

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TEST REPORT



ULR No : NA

Test Report No : NSEL120126NA081

Type of Sample # : Stack Emission

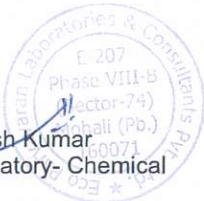
****End of Report****

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TEST REPORT



TC-11818

TC-11818

ULR No : NA		Test Report No : NSEL120126NA082	
Type of Sample # : Stack Emission			
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	08/01/2026 - 08/01/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	12/01/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	12/01/2026 - 20/01/2026
Source of Emission	Boiler Stack- 660 MW (Unit-1, Third Unit)	Date of reporting	20/01/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal + Boimass
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP Followed with Fabric Filter
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

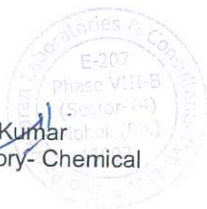
RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	42	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1025	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	171	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	26.7	IS 11255 : Part 3
6	Moisture	%	15.1	IS 11255 : Part 3
7	Temperature	°C	129	IS 11255 : Part 3
8	Oxygen as O2	%	6.2	EL-QTM-08
9	Carbon dioxide as CO2	%	10.5	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08

Remarks : NA



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TEST REPORT



ULR No : NA

Test Report No : NSEL120126NA082

Type of Sample # : Stack Emission

End of Report

OTHER INFORMATION

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TEST REPORT



ULR No : NA		Test Report No : NAAL140126NA084	
Type of Sample # : Ambient Air		Date of reporting : 20/01/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Station No.1	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fogg during night & early morning
Testing Location	On Site & Permanent Facility		

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	170	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	102	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	34	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	33	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.83	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

End of Report

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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NAAL140126NA084

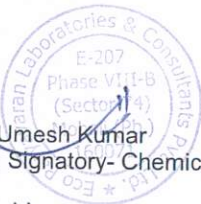
Type of Sample # : Ambient Air

Date of reporting : 20/01/2026

OTHER INFORMATION

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TEST REPORT



CU-11616

ULR No : NA		Test Report No : NAAL140126NA085	
Type of Sample # : Ambient Air		Date of reporting : 20/01/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Station No.2	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fogg during night & early morning
Testing Location	On Site & Permanent Facility		

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	178	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	106	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	31	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	41	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.95	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

End of Report

Mr. Umesh Kumar
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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NAAL140126NA085

Type of Sample # : Ambient Air

Date of reporting : 20/01/2026

OTHER INFORMATION

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TEST REPORT



ULR No : NA		Test Report No : NAAL140126NA086	
Type of Sample # : Ambient Air		Date of reporting : 20/01/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Station No.3	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fogg during night & early morning
Testing Location	On Site & Permanent Facility		

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	162	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	98	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	33	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	40	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.85	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

End of Report

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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NAAL140126NA086

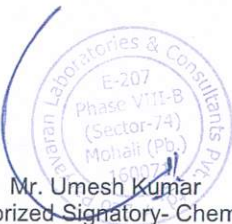
Type of Sample # : Ambient Air

Date of reporting : 20/01/2026

OTHER INFORMATION

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Mr. Umesh Kumar

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TEST REPORT



ULR No : NA		Test Report No : NAAL140126NA087	
Type of Sample # : Ambient Air		Date of reporting : 20/01/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Station No.4	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fogg during night & early morning
Testing Location	On Site & Permanent Facility		

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	179	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	107	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	29	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	37	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.87	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

End of Report

Mr. Umesh Kumar
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TEST REPORT



ULR No : NA

Test Report No : NAAL140126NA087

Type of Sample # : Ambient Air

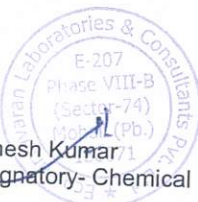
Date of reporting : 20/01/2026

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TEST REPORT



ULR No : NA		Test Report No : NAAL140126NA088	
Type of Sample # : Ambient Air		Date of reporting : 20/01/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Ravinder Singh
Period of Sampling	13/01/2026 - 14/01/2026	Date of Receipt of Sample	14/01/2026
Sampling Location	Village- Chehlanwali	Period of Analysis	14/01/2026 - 20/01/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky: fogg during night & early morning
Testing Location	On Site & Permanent Facility		

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	187	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	111	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	31	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	44	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	1.00	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

End of Report

Mr. Umesh Kumar
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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NAAL140126NA088

Type of Sample # : Ambient Air

Date of reporting : 20/01/2026

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Terms & Conditions :

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2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
3. The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
4. Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavaran.org
5. The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

Mr. Umesh Kumar
Authorized Signatory- Chemical

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