

TEST REPORT



ULR No : NA		Test Report No : NSEL130326NA080	
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	12/03/2026 - 12/03/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/03/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/03/2026 - 21/03/2026
Source of Emission	Boiler Stack (Unit-1; Third Unit) 660 MW	Date of reporting	21/03/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal + Biomass
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		

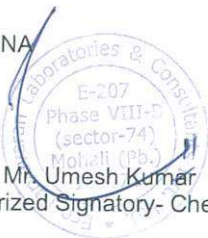
RESULTS

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	31	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1061	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	165	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	25.2	IS 11255 : Part 3
6	Moisture	%	13.3	IS 11255 : Part 3
7	Temperature	°C	139	IS 11255 : Part 3
8	Oxygen as O2	%	6.5	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 : NSEL130326NA080

Type of Sample # : Stack Emission

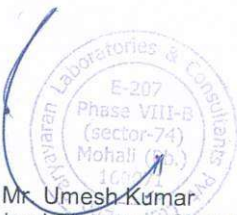
End of Report

OTHER INFORMATION

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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.
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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	12/03/2026 - 12/03/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/03/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/03/2026 - 21/03/2026
Source of Emission	Boiler Stack (Unit-2; First Unit) 660 MW	Date of reporting	21/03/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal + Biomass
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	37	IS 11255 (Part-1)
2	Sulphur dioxide as SO ₂ (at 6% O2 Corr.)	mg/Nm3	1056	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	168	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	26.0	IS 11255 : Part 3
6	Moisture	%	13.1	IS 11255 : Part 3
7	Temperature	°C	136	IS 11255 : Part 3
8	Oxygen as O ₂	%	6.3	EL-QTM-08
9	Carbon dioxide as CO ₂	%	10.8	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08

Remarks : NA



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ULR No : NA

Test Report No : NSEL130326NA081

Type of Sample # : Stack Emission

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TEST REPORT



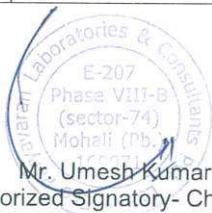
ULR No : NA		Test Report No : NSEL130326NA082	
Type of Sample # : Stack Emission			
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	12/03/2026 - 12/03/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/03/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/03/2026 - 21/03/2026
Source of Emission	Boiler Stack (Unit-3; Second Unit) 660 MW	Date of reporting	21/03/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal + Biomass
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	30	IS 11255 (Part-1)
2	Sulphur dioxide as SO ₂ (at 6% O2 Corr.)	mg/Nm3	1033	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	173	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	25.5	IS 11255 : Part 3
6	Moisture	%	13.6	IS 11255 : Part 3
7	Temperature	°C	138	IS 11255 : Part 3
8	Oxygen as O ₂	%	6.2	EL-QTM-08
9	Carbon dioxide as CO ₂	%	10.7	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08



E-207
Phase VIII-B
(Sector-74)
Mohali (Pb.)
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TEST REPORT



ULR No : NA

Test Report No : NSEL130326NA082

Type of Sample # : Stack Emission

Remarks : NA

End of Report

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TEST REPORT



ULR No : NA		Test Report No : NAAL130326NA055	
Type of Sample # : Ambient Air		Date of reporting : 21/03/2026	
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. Prabhjot Singh
Period of Sampling	12/03/2026 - 13/03/2026	Date of Receipt of Sample	13/03/2026
Sampling Location	Station No.1	Period of Analysis	13/03/2026 - 21/03/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
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/m ³	85	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	48	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	25	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	27	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m ³	0.82	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m ³	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

End of Report



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TEST REPORT



ULR No : NA

Test Report No : NAAL130326NA055

Type of Sample # : Ambient Air

Date of reporting : 21/03/2026

OTHER INFORMATION

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TEST REPORT



ULR No : NA		Test Report No : NAAL130326NA056	
Type of Sample # : Ambient Air		Date of reporting : 21/03/2026	
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. Prabhjot Singh
Period of Sampling	12/03/2026 - 13/03/2026	Date of Receipt of Sample	13/03/2026
Sampling Location	Station No.2	Period of Analysis	13/03/2026 - 21/03/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
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/m ³	89	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	52	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	28	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	24	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m ³	0.78	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m ³	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 : NAAL130326NA056

Type of Sample # : Ambient Air

Date of reporting : 21/03/2026

OTHER INFORMATION

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TEST REPORT



ULR No : NA		Test Report No : NAAL130326NA057	
Type of Sample # : Ambient Air		Date of reporting : 21/03/2026	
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. Prabhjot Singh
Period of Sampling	12/03/2026 - 13/03/2026	Date of Receipt of Sample	13/03/2026
Sampling Location	Station No.3	Period of Analysis	13/03/2026 - 21/03/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
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/m ³	86	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	49	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	27	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	30	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m ³	0.71	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m ³	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5

Remarks : NA

End of Report



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TEST REPORT



ULR No : NA

Test Report No : NAAL130326NA057

Type of Sample # : Ambient Air

Date of reporting : 21/03/2026

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TEST REPORT



ULR No : NA		Test Report No : NAAL130326NA058	
Type of Sample # : Ambient Air		Date of reporting : 21/03/2026	
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. Prabhjot Singh
Period of Sampling	12/03/2026 - 13/03/2026	Date of Receipt of Sample	13/03/2026
Sampling Location	Station No.4	Period of Analysis	13/03/2026 - 21/03/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
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/m ³	83	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	47	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	25	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	32	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m ³	0.73	4(max.)	IS 5182 (Part 10) NDIR method
6	Lead (Pb)	µg/m ³	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 : NAAL130326NA058

Type of Sample # : Ambient Air

Date of reporting : 21/03/2026

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Mr. Umesh Kumar
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TEST REPORT



ULR No : NA		Test Report No : NAAL130326NA059	
Type of Sample # : Ambient Air		Date of reporting : 21/03/2026	
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. Prabhjot Singh
Period of Sampling	12/03/2026 - 13/03/2026	Date of Receipt of Sample	13/03/2026
Sampling Location	Village- Chehlanwali	Period of Analysis	13/03/2026 - 21/03/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
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	87	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	51	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	34	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.84	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



ULR No : NA

Test Report No : NAAL130326NA059

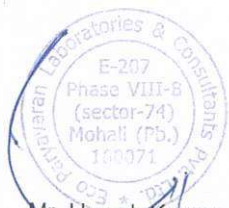
Type of Sample # : Ambient Air

Date of reporting : 21/03/2026

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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
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