

TEST REPORT



TC-11818

ULR No : NA		Test Report No : NSEL130726NA068	
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	08/07/2026 - 08/07/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/07/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/07/2026 - 18/07/2026
Source of Emission	Boiler Stack (Unit-1; Third Unit) 660 MW	Date of reporting	18/07/2026
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	Standard	Test Method
1	Particulate Matter (at 6% O ₂ Corr.)	mg/Nm ³	38	50(max.)	IS 11255 (Part-1)
2	Sulphur dioxide as SO ₂ (at 6% O ₂ Corr.)	mg/Nm ³	1052	200(max.)	EL-QTM-08
3	Oxides of Nitrogen (at 6% O ₂ Corr.)	mg/Nm ³	175	300(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	25.3	Not Specified	IS 11255 : Part 3
6	Moisture	%	11.8	Not Specified	IS 11255 : Part 3
7	Temperature	°C	135	Not Specified	IS 11255 : Part 3
8	Oxygen as O ₂	%	6.6	Not Specified	EL-QTM-08
9	Carbon dioxide as CO ₂	%	10.5	Not Specified	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm ³	BDL (5)	Not Specified	EL-QTM-08

Mr. Mukesh Chand Agarwal
Authorized Signatory- Chemical

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TEST REPORT



ULR No : NA

Test Report No : NSEL130726NA068

Type of Sample # : Stack Emission

Remarks : NA

****End of Report****

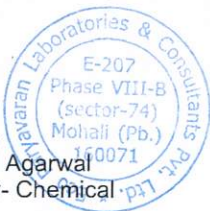
OTHER INFORMATION

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Terms & Conditions :

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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.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.

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TEST REPORT



ULR No : NA		Test Report No : NSEL130726NA069	
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	08/07/2026 - 08/07/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/07/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/07/2026 - 18/07/2026
Source of Emission	Boiler Stack (Unit-2; First Unit) 660 MW	Date of reporting	18/07/2026
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	Standard	Test Method
1	Particulate Matter (at 6% O ₂ Corr.)	mg/Nm ³	41	50(max.)	IS 11255 (Part-1)
2	Sulphur dioxide as SO ₂ (at 6% O ₂ Corr.)	mg/Nm ³	1046	200(max.)	EL-QTM-08
3	Oxides of Nitrogen (at 6% O ₂ Corr.)	mg/Nm ³	179	300(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	25.4	Not Specified	IS 11255 : Part 3
6	Moisture	%	12.4	Not Specified	IS 11255 : Part 3
7	Temperature	°C	134	Not Specified	IS 11255 : Part 3
8	Oxygen as O ₂	%	6.8	Not Specified	EL-QTM-08
9	Carbon dioxide as CO ₂	%	10.7	Not Specified	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm ³	BDL (5)	Not Specified	EL-QTM-08

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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NSEL130726NA069

Type of Sample # : Stack Emission

Remarks : NA

End of Report

OTHER INFORMATION

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TEST REPORT



ULR No : NA		Test Report No : NSEL130726NA070	
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	08/07/2026 - 08/07/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/07/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/07/2026 - 18/07/2026
Source of Emission	Boiler Stack (Unit-3; Second Unit) 660 MW	Date of reporting	18/07/2026
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	Standard	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	35	50(max.)	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1035	200(max.)	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	171	300(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	%	12.8	Not Specified	IS 11255 : Part 3
7	Temperature	°C	138	Not Specified	IS 11255 : Part 3
8	Oxygen as O2	%	6.9	Not Specified	EL-QTM-08
9	Carbon dioxide as CO2	%	10.4	Not Specified	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	Not Specified	EL-QTM-08

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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NSEL130726NA070

Type of Sample # : Stack Emission

Remarks : NA

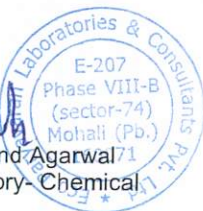
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Mr. Mukesh Chand Agarwal
Authorized Signatory - Chemical



TEST REPORT



ULR No : NA		Test Report No : NAAL130726NA042	
Type of Sample # : Ambient Air		Date of reporting : 20/07/2026	
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	07/07/2026 - 08/07/2026	Date of Receipt of Sample	13/07/2026
Sampling Location	Station No.1	Period of Analysis	13/07/2026 - 20/07/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Partially cloudy weather
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	69	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	41	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	22	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.51	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
Authorized Signatory- Chemical



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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NAAL130726NA042

Type of Sample # : Ambient Air

Date of reporting : 20/07/2026

OTHER INFORMATION

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Mr. Umesh Kumar
Authorized Signatory- Chemical



TEST REPORT



ULR No : NA		Test Report No : NAAL130726NA043	
Type of Sample # : Ambient Air		Date of reporting : 20/07/2026	
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	07/07/2026 - 08/07/2026	Date of Receipt of Sample	13/07/2026
Sampling Location	Station No.2	Period of Analysis	13/07/2026 - 20/07/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Partially cloudy weather
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	72	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	24	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.59	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 : NAAL130726NA043

Type of Sample # : Ambient Air

Date of reporting : 20/07/2026

OTHER INFORMATION

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Mr. Umesh Kumar
Authorized Signatory- Chemical



TEST REPORT



ULR No : NA		Test Report No : NAAL130726NA044	
Type of Sample # : Ambient Air		Date of reporting : 20/07/2026	
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	07/07/2026 - 08/07/2026	Date of Receipt of Sample	13/07/2026
Sampling Location	Station No.3	Period of Analysis	13/07/2026 - 20/07/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Partially cloudy weather
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	66	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	40	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	22	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.52	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 : NAAL130726NA044

Type of Sample # : Ambient Air

Date of reporting : 20/07/2026

OTHER INFORMATION

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Mr. Umesh Kumar
Authorized Signatory- Chemical



TEST REPORT



ULR No : NA		Test Report No : NAAL130726NA045	
Type of Sample # : Ambient Air		Date of reporting : 20/07/2026	
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	07/07/2026 - 08/07/2026	Date of Receipt of Sample	13/07/2026
Sampling Location	Station No.4	Period of Analysis	13/07/2026 - 14/07/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Partially cloudy weather
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	68	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	40	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	21	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.54	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 : NAAL130726NA045

Type of Sample # : Ambient Air

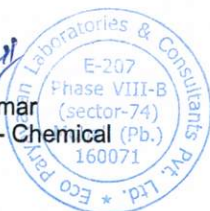
Date of reporting : 20/07/2026

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Authorized Signatory- Chemical



TEST REPORT



ULR No : NA		Test Report No : NAAL130726NA046	
Type of Sample # : Ambient Air		Date of reporting : 20/07/2026	
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	07/07/2026 - 08/07/2026	Date of Receipt of Sample	13/07/2026
Sampling Location	Village- Chehlanwali	Period of Analysis	13/07/2026 - 20/07/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Partially cloudy weather
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

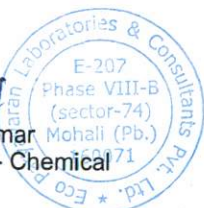
I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	76	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	45	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	26	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m3	0.61	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 : NAAL130726NA046

Type of Sample # : Ambient Air

Date of reporting : 20/07/2026

OTHER INFORMATION

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

Terms & Conditions :

1. The results relate only to the items tested.
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

