

TEST REPORT



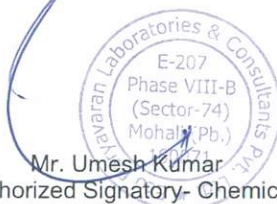
ULR No : NA		Test Report No : NSEL130426NA076	
Type of Sample # : Stack Emission			
Reference Type : PO Number		Reference No : 5100044398 Dt.: 18/11/2025	
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	09/04/2026 - 09/04/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/04/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/04/2026 - 20/04/2026
Source of Emission	Boiler Stack (Unit-3; Second Unit) 660 MW	Date of reporting	20/04/2026
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	28	IS 11255 (Part-1)
2	Sulphur dioxide as SO ₂ (at 6% O2 Corr.)	mg/Nm3	1045	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	25.7	IS 11255 : Part 3
6	Moisture	%	12.1	IS 11255 : Part 3
7	Temperature	°C	131	IS 11255 : Part 3
8	Oxygen as O ₂	%	6.6	EL-QTM-08
9	Carbon dioxide as CO ₂	%	10.3	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08



 Mr. Umesh Kumar
 Authorized Signatory- Chemical

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TEST REPORT



ULR No : NA

Test Report No : NSEL130426NA076

Type of Sample # : Stack Emission

Remarks : NA

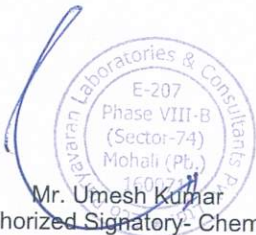
End of Report

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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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TEST REPORT



ULR No : NA		Test Report No : NSEL130426NA075	
Type of Sample # : Stack Emission			
Reference Type : PO Number		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	09/04/2026 - 09/04/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/04/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/04/2026 - 20/04/2026
Source of Emission	Boiler Stack (Unit-2; First Unit) 660 MW	Date of reporting	20/04/2026
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		

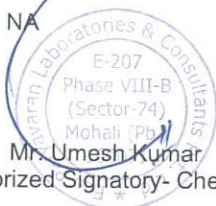
RESULTS

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 SO2 (at 6% O2 Corr.)	mg/Nm3	1063	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	166	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	25.3	IS 11255 : Part 3
6	Moisture	%	12.8	IS 11255 : Part 3
7	Temperature	°C	129	IS 11255 : Part 3
8	Oxygen as O2	%	10.5	EL-QTM-08
9	Carbon dioxide as CO2	%	6.5	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 : NSEL130426NA075

Type of Sample # : Stack Emission

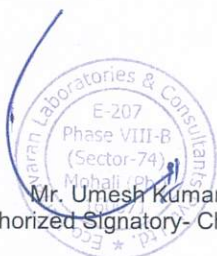
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TEST REPORT



ULR No : NA		Test Report No : NSEL130426NA074	
Type of Sample # : Stack Emission		Reference No : 5100044398 Dt.: 18/11/2025	
Reference Type : PO Number		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	09/04/2026 - 09/04/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	13/04/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	13/04/2026 - 18/04/2026
Source of Emission	Boiler Stack (Unit-1; Third Unit) 660 MW	Date of reporting	18/04/2026
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		

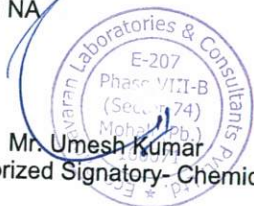
RESULTS

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	35	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1055	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	161	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	25.3	IS 11255 : Part 3
6	Moisture	%	12.5	IS 11255 : Part 3
7	Temperature	°C	130	IS 11255 : Part 3
8	Oxygen as O2	%	6.8	EL-QTM-08
9	Carbon dioxide as CO2	%	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 : NSEL130426NA074

Type of Sample # : Stack Emission

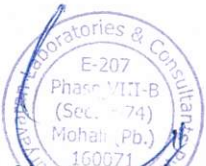
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Mr. Umesh Kumar
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TEST REPORT



ULR No : NA		Test Report No : NAAL130426NA053	
Type of Sample # : Ambient Air		Date of reporting : 20/04/2026	
Reference Type : PO Number		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	10/04/2026 - 11/04/2026	Date of Receipt of Sample	13/04/2026
Sampling Location	Village Chehlanwali	Period of Analysis	13/04/2026 - 18/04/2026
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	84	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	50	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	BDL (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	0.74	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 : NAAL130426NA053

Type of Sample # : Ambient Air

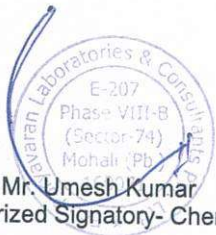
Date of reporting : 20/04/2026

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TEST REPORT



ULR No : NA		Test Report No : NAAL130426NA052	
Type of Sample # : Ambient Air		Date of reporting : 20/04/2026	
Reference Type : PO Number		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	10/04/2026 - 11/04/2026	Date of Receipt of Sample	13/04/2026
Sampling Location	Station No.4	Period of Analysis	13/04/2026 - 18/04/2026
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	80	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	BDL (25)	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	26	80(max.)	IS 5182 (Part 6)
5	Carbon Monoxide as CO	mg/m ³	0.65	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 : NAAL130426NA052

Type of Sample # : Ambient Air

Date of reporting : 20/04/2026

OTHER INFORMATION

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Mr. Umesh Kumar
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TEST REPORT



ULR No : NA		Test Report No : NAAL130426NA051	
Type of Sample # : Ambient Air		Date of reporting : 20/04/2026	
Reference Type : PO Number		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	10/04/2026 - 11/04/2026	Date of Receipt of Sample	13/04/2026
Sampling Location	Station No.3	Period of Analysis	13/04/2026 - 18/04/2026
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	73	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	44	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	BDL (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	0.63	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 : NAAL130426NA051

Type of Sample # : Ambient Air

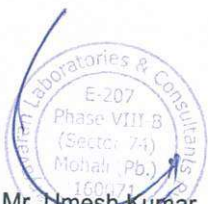
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TEST REPORT



ULR No : NA		Test Report No : NAAL130426NA050	
Type of Sample # : Ambient Air		Date of reporting : 20/04/2026	
Reference Type : PO Number		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	10/04/2026 - 11/04/2026	Date of Receipt of Sample	13/04/2026
Sampling Location	Station No.2	Period of Analysis	13/04/2026 - 18/04/2026
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	80	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	BDL (25)	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	29	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 : NAAL130426NA050

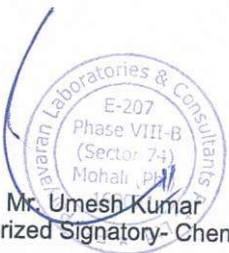
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Date of reporting : 20/04/2026

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TEST REPORT



ULR No : NA		Test Report No : NAAL130426NA049	
Type of Sample # : Ambient Air		Date of reporting : 20/04/2026	
Reference Type : PO Number		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	10/04/2026 - 11/04/2026	Date of Receipt of Sample	13/04/2026
Sampling Location	Station No.1	Period of Analysis	13/04/2026 - 18/04/2026
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	77	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	46	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	BDL (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	0.62	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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EL-FMT-7.8.2 -AA

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TEST REPORT



ULR No : NA

Test Report No : NAAL130426NA049

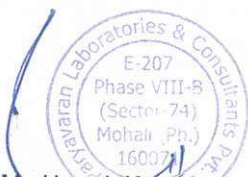
Type of Sample # : Ambient Air

Date of reporting : 20/04/2026

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.



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