



CEG Tower, 1st & 2nd Floor, B-11G, Industrial Area,
Malviya Nagar, Jaipur, Rajasthan – 302017: India
Tel: 0141-4805672 | Email – lab@irclass.org | Website : www.isspllab.com

TEST REPORT

Report No.	ISSPL/EN/24-25/22925/A		Date	30/01/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab			
2. Reference No.	Your TRF Dated: 25/01/2025 (Reg. No. 76075)			
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 23/01/2025 (10:00 am to 10:28 am), , Qty. 1 No.			
4. Sample code	76075			
5. Date of sampling	23/01/2025			
6. Date of Sample testing	25/01/2025 To 30/01/2025			
7. Sampling duration (in minutes)	28 Min.			
8. Sampling Location	Boiler stack (Unit-1 Third Unit) 660MW			
9. Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)			
10. Type of stack	MS Circular			
11. Stack attached to	Boiler Stack			
12. Stack Diameter (in meters)	7.2			
13. Stack height (in meters)	275			
14. Type and quantity of fuel used	Coal			
15. Instrument Code & Calibration Status	ISSPL/INS/C/134			
16. Control Measures if any	-			
17. Ambient Temperature (oC)	24°C			
18. Flue Gas Temperature (oC)	128°C			

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	28.1	mg/Nm3	1

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TEST REPORT

Report No.		ISSPL/EN/24-25/22925/A		Date	30/01/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
1		2019			
2	Sulphur dioxide (SO ₂)	USEPA 6C: 1996/By Flue Gas Analyzer	870.9	mg/Nm ³	0.3
3	Oxides of Nitrogen (NO _x)	USEPA 7E: 1990/By Flue Gas Analyzer	200.4	mg/Nm ³	0.2
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.4	PPM	0.1
5	Carbon Dioxide as (CO ₂)	USEPA 3A:1989	10.5	%	0.1
6	Oxygen as O ₂	USEPA 3A:1989	7.2	%	0.1
7	Mercury as (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ :0.001)	mg/Nm ³	0.001

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

Remark:1: PM, SO₂, NO_x at 6% O₂ Corr.

Remark-2: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

****End of the Report****

Reviewed By

IRCLASS Systems and Solutions Pvt. Ltd.
Jaipur
Parmeshwar Lal
Authorised Signatory



SYSTEMS AND SOLUTIONS PRIVATE LIMITED

Testing Laboratory

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TEST REPORT

Report No.	ISSPL/EN/24-25/22925/B	Date	30/01/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	Your TRF Dated: 25/01/2025 (Reg. No. 76075)		
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 23/01/2025 (10:00 am to 10:28 am), , Qty. 1 No.		
4. Sample code	76075		
5. Date of sampling	23/01/2025		
6. Date of Sample testing	25/01/2025 To 30/01/2025		
7. Sampling duration (in minutes)	28 Min.		
8. Sampling Location	Boiler stack (Unit-1 Third Unit) 660MW		
9. Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)		
10. Type of stack	MS Circular		
11. Stack attached to	Boiler Stack		
12. Stack Diameter (in meters)	7.2		
13. Stack height (in meters)	275		
14. Type and quantity of fuel used	Coal		
15. Instrument Code & Calibration Status	ISSPL/INS/C/134		
16. Control Measures if any	-		
17. Ambient Temperature (oC)	24°C		
18. Flue Gas Temperature (oC)	128°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Velocity of Gas	CPCB Emission	25.4	m/s	Not Specified

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TEST REPORT

Report No.		ISSPL/EN/24-25/22925/B		Date	30/01/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
1		Regulation(Part -3)			
2.	Temperature	CPCB Emission Regulation(Part -3)	128	°C	5
3.	Moisture	USEPA 4	11.4	%	1

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

Remark:1: PM, SO2, NOX at 6% O2 Corr.

Remark-2: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

****End of the Report****

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TEST REPORT

Report No.	ISSPL/EN/24-25/22926/A		Date	30/01/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab			
2. Reference No.	Your TRF Dated: 25/01/2025 (Reg. No. 76074)			
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 23/01/2025 (10:40 am to 11:07 am), , Qty. 1 No.			
4. Sample code	76074			
5. Date of sampling	23/01/2025			
6. Date of Sample testing	25/01/2025 To 30/01/2025			
7. Sampling duration (in minutes)	27 Min.			
8. Sampling Location	Boiler Stack (Unit-2 First Unit) 660MW			
9. Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)			
10. Type of stack	MS Circular			
11. Stack attached to	Boiler Stack			
12. Stack Diameter (in meters)	7.2			
13. Stack height (in meters)	275			
14. Type and quantity of fuel used	Coal			
15. Instrument Code & Calibration Status	ISSPL/INS/C/134			
16. Control Measures if any	-			
17. Ambient Temperature (oC)	24°C			
18. Flue Gas Temperature (oC)	130°C			

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	30.7	mg/Nm3	1

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TEST REPORT

Report No.		ISSPL/EN/24-25/22926/A			Date	30/01/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
1		2019				
2	Sulphur dioxide (SO ₂)	USEPA 6C: 1996/By Flue Gas Analyzer	1012.8	mg/Nm ³	0.3	
3	Oxides of Nitrogen (NO _X)	USEPA 7E: 1990/By Flue Gas Analyzer	136.8	mg/Nm ³	0.2	
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.2	PPM	0.1	
5	Carbon Dioxide as (CO ₂)	USEPA 3A:1989	10.2	%	0.1	
6	Oxygen as O ₂	USEPA 3A:1989	7.0	%	0.1	
7	Mercury as (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ :0.001)	mg/Nm ³	0.001	

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

Remark:1: PM, SO₂, NO_X at 6% O₂ Corr.

Remark-2: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

End of the Report

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Reviewed By 


 Jaipur
 Parmeshwar Lal
 Authorised Signatory

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TEST REPORT

Report No.	ISSPL/EN/24-25/22926/B		Date	30/01/2025
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2.	Reference No.	Your TRF Dated: 25/01/2025 (Reg. No. 76074)		
3.	Material Identification with details	Boiler Stack: Date and Time of Sampling: 23/01/2025 (10:40 am to 11:07 am), , Qty. 1 No.		
4.	Sample code	76074		
5.	Date of sampling	23/01/2025		
6.	Date of Sample testing	25/01/2025 To 30/01/2025		
7.	Sampling duration (in minutes)	27 Min.		
8.	Sampling Location	Boiler Stack (Unit-2 First Unit) 660MW		
9.	Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)		
10.	Type of stack	MS Circular		
11.	Stack attached to	Boiler Stack		
12.	Stack Diameter (in meters)	7.2		
13.	Stack height (in meters)	275		
14.	Type and quantity of fuel used	Coal		
15.	Instrument Code & Calibration Status	ISSPL/INS/C/134		
16.	Control Measures if any	-		
17.	Ambient Temperature (oC)	24°C		
18.	Flue Gas Temperature (oC)	130°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Velocity of Gas	CPCB Emission	26.4	m/s	Not Specified

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TEST REPORT

Report No.		ISSPL/EN/24-25/22926/B		Date	30/01/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
1		Regulation(Part -3)			
2.	Temperature	CPCB Emission Regulation(Part -3)	130	°C	5
3.	Moisture	USEPA 4	10.8	%	1

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

Remark:1: PM, SO₂, NO_X at 6% O₂ Corr.

Remark-2: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

****End of the Report****

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TEST REPORT

Report No.	ISSPL/EN/24-25/23195/A		Date	05/02/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab			
2. Reference No.	Your TRF Dated: 31/01/2025 (Reg. No. 75805)			
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 27/01/2024 (10:00 am to 10:27 am), , Qty. 1 No.			
4. Sample code	75805			
5. Date of sampling	27/01/2025			
6. Date of Sample testing	31/01/2025 To 05/02/2025			
7. Sampling duration (in minutes)	27.0 Min.			
8. Sampling Location	Boiler Stack (Unit-3 Second Unit) 660MW			
9. Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)			
10. Type of stack	MS Circular			
11. Stack attached to	Boiler Stack			
12. Stack Diameter (in meters)	7.2			
13. Stack height (in meters)	275			
14. Type and quantity of fuel used	Coal			
15. Instrument Code & Calibration Status	ISSPL/INS/C/134			
16. Control Measures if any	-			
17. Ambient Temperature (oC)	24°C			
18. Flue Gas Temperature (oC)	130°C			

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	34.17	mg/Nm3	1

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TEST REPORT

Report No.		ISSPL/EN/24-25/23195/A			Date	05/02/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
1		2019				
2	Sulphur dioxide (SO ₂)	USEPA 6C: 1996/By Flue Gas Analyzer	997.45	mg/Nm ³	0.3	
3	Oxides of Nitrogen (NO _X)	USEPA 7E: 1990/By Flue Gas Analyzer	186.14	mg/Nm ³	0.2	
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.1	PPM	0.1	
5	Carbon Dioxide as (CO ₂)	USEPA 3A:1989	10.2	%	0.1	
6	Oxygen as O ₂	USEPA 3A:1989	7.1	%	0.1	
7	Mercury as (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ :0.001)	mg/Nm ³	0.001	

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

Remark:1- The Results Related only to the items tested.

Remark:2: PM, SO₂, NO_X at 6% O₂ Corr.

Remark:3: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

****End of the Report****

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TEST REPORT

Report No.	ISSPL/EN/24-25/23195/B		Date	05/02/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab			
2. Reference No.	Your TRF Dated: 31/01/2025 (Reg. No. 75805)			
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 27/01/2024 (10:00 am to 10:27 am), , Qty. 1 No.			
4. Sample code	75805			
5. Date of sampling	27/01/2025			
6. Date of Sample testing	31/01/2025 To 05/02/2025			
7. Sampling duration (in minutes)	27.0 Min.			
8. Sampling Location	Boiler Stack (Unit-3 Second Unit) 660MW			
9. Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)			
10. Type of stack	MS Circular			
11. Stack attached to	Boiler Stack			
12. Stack Diameter (in meters)	7.2			
13. Stack height (in meters)	275			
14. Type and quantity of fuel used	Coal			
15. Instrument Code & Calibration Status	ISSPL/INS/C/134			
16. Control Measures if any	-			
17. Ambient Temperature (oC)	24°C			
18. Flue Gas Temperature (oC)	130°C			

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Velocity of Gas	CPCB Emission	26.1	m/s	Not Specified

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TEST REPORT

Report No.		ISSPL/EN/24-25/23195/B		Date	05/02/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
1		Regulation(Part -3)			
2.	Temperature	CPCB Emission Regulation(Part -3)	126	°C	5
3.	Moisture	USEPA 4	10.9	%	1

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

Remark:1- The Results Related only to the items tested.

Remark:2: PM, SO₂, NO_X at 6% O₂ Corr.

Remark:3: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

****End of the Report****

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TEST REPORT

Report No.	ISSPL/EN/24-25/22130	Date	20/01/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	Your TRF 14/01/2025 (Reg. No. 76870)		
3. Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4. Date of Sampling	12/01/2025 to 13/01/2025		
5. Time of Sampling	10:00 am to 10:00 am		
6. Sampling Location	Station- 1 (CAAQMS No.-1)		
7. Sampling Protocol	IS:5182 (Pt-14) 2000		
8. Duration of Sampling (Minutes)	1440 Min.		
9. Test Started On	14/01/2025		
10. Test Completed On	20/01/2025		
11. Date of sample Testing	14/01/2025 To 20/01/2025		
12. Nature & Activity of the Unit	Human and Plant Site Activities		
13. Ambient Temperature (oC)	Min. 8°C, Max. 18°C		
14. Weather Condition during Monitoring	Clear Sky		
15. Instrument Code & Calibration Status	ISSPL/INS/C/121, ISSPL/INS/229, ISSPL/INS/C/220		

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I. Chemical Parameter:-						
1. Atmospheric Pollution						
1	Sulphur Dioxide (as SO ₂)	IS:5182 (Part 2)-2001, Reaff :2017	7.5	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	15.6	µg/m ³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/24-25/22130			Date	
					20/01/2025	
S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
2		:2017				
3	Particulate Matter (as PM2.5)	IS:5182 (Part 24):2019	31.8	µg/m ³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	66.7	µg/m ³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.62	mg/m ³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	µg/m ³	1.0 (Max.)	0.0005

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

*NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

End of the Report

Reviewed By

Parmeshwari
Authorized Signatory





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TEST REPORT

Report No.	ISSPL/EN/24-25/22131	Date	20/01/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	Your TRF 14/01/2025 (Reg. No. 76869)		
3. Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4. Date of Sampling	12/01/2025 to 13/01/2025		
5. Time of Sampling	10:30 am to 10:30 am		
6. Sampling Location	Station- 2 (CAAQMS No.- 2)		
7. Sampling Protocol	IS:5182 (Pt-14) 2000		
8. Duration of Sampling (Minutes)	1440 Min.		
9. Test Started On	14/01/2025		
10. Test Completed On	20/01/2025		
11. Date of sample Testing	14/01/2025 To 20/01/2025		
12. Nature & Activity of the Unit	Human and Plant Site Activities		
13. Ambient Temperature (oC)	Min. 8°C, Max. 18°C		
14. Weather Condition during Monitoring	Clear Sky		
15. Instrument Code & Calibration Status	ISSPL/INS/C/212, ISSPL/INS/129, ISSPL/INS/C/221		

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I. Chemical Parameter:-						
1. Atmospheric Pollution						
1	Sulphur Dioxide (as SO ₂)	IS:5182 (Part 2)-2001, Reaff :2017	8.5	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	16.2	µg/m ³	80 (Max.)	6

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Parmeswar Lal
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TEST REPORT

Report No.		ISSPL/EN/24-25/22131			Date		20/01/2025
S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit	
2		:2017					
3	Particulate Matter (as PM2.5)	IS:5182 (Part 24):2019	34.6	µg/m ³	60 (Max.)	1	
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	72.4	µg/m ³	100 (Max.)	1	
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.59	mg/m ³	4 (Max.)	0.02	
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	µg/m ³	1.0 (Max.)	0.0005	

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

*NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

End of the Report

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TEST REPORT

Report No.	ISSPL/EN/24-25/22132		Date	20/01/2025
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2.	Reference No.	Your TRF 14/01/2025 (Reg. No. 76868)		
3.	Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4.	Date of Sampling	12/01/2025 to 13/01/2025		
5.	Time of Sampling	11:00 am to 11:00 am		
6.	Sampling Location	Station- 3 (CAAQMS No.-3)		
7.	Sampling Protocol	IS:5182 (Pt-14) 2000		
8.	Duration of Sampling (Minutes)	1440 Min.		
9.	Test Started On	14/01/2025		
10.	Test Completed On	20/01/2025		
11.	Date of sample Testing	16/01/2025 To 20/01/2025		
12.	Nature & Activity of the Unit	Human and Plant Site Activities		
13.	Ambient Temperature (oC)	Min. 8°C, Max. 18°C		
14.	Weather Condition during Monitoring	Clear Sky		
15.	Instrument Code & Calibration Status	ISSPL/INS/C/212, ISSPL/INS/129, ISSPL/INS/C/221		

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I. Chemical Parameter:-						
1. Atmospheric Pollution						
1	Sulphur Dioxide (as SO ₂)	IS:5182 (Part 2)-2001, Reaff :2017	9.3	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	16.9	µg/m ³	80 (Max.)	6

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Parmeshwar Lal
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TEST REPORT

Report No.		ISSPL/EN/24-25/22132			Date	
S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
2		:2017				
3	Particulate Matter (as PM2.5)	IS:5182 (Part 24):2019	36.6	µg/m ³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	81.1	µg/m ³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.64	mg/m ³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	µg/m ³	1.0 (Max.)	0.0005

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

*NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

****End of the Report****

Reviewed By


 Parashwar Lal
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TEST REPORT

Report No.	ISSPL/EN/24-25/22189	Date	20/01/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	Your TRF 15/01/2025 (Reg. No. 76811)		
3. Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4. Date of Sampling	13/01/2025 to 14/01/2025		
5. Time of Sampling	10:00 am to 10:00 am		
6. Sampling Location	Station- 4 (CAAQMS No.- 4)		
7. Sampling Protocol	IS:5182 (Pt-14) 2000		
8. Duration of Sampling (Minutes)	1440 Min.		
9. Test Started On	15/01/2025		
10. Test Completed On	20/01/2025		
11. Date of sample Testing	15/01/2025 To 20/01/2025		
12. Nature & Activity of the Unit	Human and Plant Site Activities		
13. Ambient Temperature (oC)	Min. 8°C, Max. 18°C		
14. Weather Condition during Monitoring	Clear Sky		
15. Instrument Code & Calibration Status	ISSPL/INS/C/214, ISSPL/INS/197, ISSPL/INS/C/221		

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I. Chemical Parameter:-						
1. Atmospheric Pollution						
1	Sulphur Dioxide (as SO ₂)	IS:5182 (Part 2)-2001, Reaff :2017	8.4	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	18.5	µg/m ³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/24-25/22189			Date	
S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
2		:2017				
3	Particulate Matter (as PM2.5)	IS:5182 (Part 24):2019	38.8	µg/m ³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	75.6	µg/m ³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.48	mg/m ³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	µg/m ³	1.0 (Max.)	0.0005

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

*NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

End of the Report


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TEST REPORT

Report No.	ISSPL/EN/24-25/22190	Date	20/01/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	Your TRF 15/01/2025 (Reg. No. 76810)		
3. Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4. Date of Sampling	13/01/2025 to 14/01/2025		
5. Time of Sampling	11:50 am to 11:50 am		
6. Sampling Location	Village Chehlanwali		
7. Sampling Protocol	IS:5182 (Pt-14) 2000		
8. Duration of Sampling (Minutes)	1440 Min.		
9. Test Started On	15/01/2025		
10. Test Completed On	20/01/2025		
11. Date of sample Testing	15/01/2025 To 20/01/2025		
12. Nature & Activity of the Unit	Human and Plant Site Activities		
13. Ambient Temperature (oC)	Min. 8°C, Max. 18°C		
14. Weather Condition during Monitoring	Clear Sky		
15. Instrument Code & Calibration Status	ISSPL/INS/C/214, ISSPL/INS/197, ISSPL/INS/C/221		

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I. Chemical Parameter:-						
1. Atmospheric Pollution						
1	Sulphur Dioxide (as SO ₂)	IS:5182 (Part 2)-2001, Reaff :2017	10.4	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	21.8	µg/m ³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/24-25/22190			Date	
					20/01/2025	
S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
2		:2017				
3	Particulate Matter (as PM2.5)	IS:5182 (Part 24):2019	39.4	µg/m ³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	85.7	µg/m ³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.55	mg/m ³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	µg/m ³	1.0 (Max.)	0.0005

BLQ= Below Limit of Quantification, LOQ= Limit of Quantification

*NAAQS- National Ambient Air Quality Standards; Schedule-VII, [Rule 3 (3B)], [Part-II-se.-3(i)] 16.11.2009.

Remark: Sampling done by ISSPL Representative (Mr.Pokhar Nath Yogi).

End of the Report

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