



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/25-26/06137/A	Date	20/07/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92863)		
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 15/07/2025 (10:00 am to 10:26 am), Qty. 1 No.		
4. Sample code	25-26/92863		
5. Date of sampling	15/07/2025		
6. Date of Sample testing	17/07/2025 To 20/07/2025		
7. Sampling duration (in minutes)	26.00 Min.		
8. Sampling Location	Boiler Stack (Unit -1 Third Unit) - 660 MW		
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)	41°C		
18. Flue Gas Temperature (oC)	130°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
31. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	39.5	mg/Nm3	1

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TEST REPORT

Report No.		ISSPL/EN/25-26/06137/A			Date	20/07/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
		2019				
2	Sulphur dioxide (SO ₂)	USEPA 6C: 1996/By Flue Gas Analyzer	1084.8	mg/Nm ³	0.3	
3	Oxides of Nitrogen (NO _x)	USEPA 7E: 1990/By Flue Gas Analyzer	228.2	mg/Nm ³	0.2	
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.20	PPM	0.1	
5	Carbon Dioxide as CO ₂	USEPA 3A:1989	10.5	%	0.1	
6	Oxygen as O ₂	USEPA 3A:1989	7.20	%	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).

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TEST REPORT

Report No.	ISSPL/EN/25-26/06137/B	Date	20/07/2025
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab	
2.	Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92863)	
3.	Material Identification with details	Boiler Stack: Date and Time of Sampling: 15/07/2025 (10:00 am to 10:26 am), Qty. 1 No.	
4.	Sample code	25-26/92863	
5.	Date of sampling	15/07/2025	
6.	Date of Sample testing	17/07/2025 To 20/07/2025	
7.	Sampling duration (in minutes)	26.00 Min.	
8.	Sampling Location	Boiler Stack (Unit -1 Third Unit) - 660 MW	
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)	41°C	
18.	Flue Gas Temperature (oC)	130°C	

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
31. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Velocity of Gas	CPCB Emission	26.0	m/s	Not Specified

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TEST REPORT

Report No.		ISSPL/EN/25-26/06137/B			Date	20/07/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
		Regulation(Part -3)				
2	Temperature	CPCB Emission Regulation(Part -3)	130	°C	5	
3	Moisture	USEPA 4	14.3	%	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/25-26/06138/A	Date	20/07/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92862)		
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 15/07/2025 (11:00 am to 11:26 am), Qty. 1 No.		
4. Sample code	25-26/92862		
5. Date of sampling	15/07/2025		
6. Date of Sample testing	17/07/2025 To 20/07/2025		
7. Sampling duration (in minutes)	26.00 Min.		
8. Sampling Location	Boiler Stack (Unit -2 First Unit) - 660 MW		
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)	41°C		
18. Flue Gas Temperature (oC)	128°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	32.8	mg/Nm3	1

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TEST REPORT

Report No.		ISSPL/EN/25-26/06138/A			Date	20/07/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
		2019				
2	Sulphur dioxide (SO ₂)	USEPA 6C: 1996/By Flue Gas Analyzer	756.4	mg/Nm ³	0.3	
3	Oxides of Nitrogen (NO _x)	USEPA 7E: 1990/By Flue Gas Analyzer	208.7	mg/Nm ³	0.2	
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.10	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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TEST REPORT

Report No.	ISSPL/EN/25-26/06138/B	Date	20/07/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92862)		
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 15/07/2025 (11:00 am to 11:26 am), Qty. 1 No.		
4. Sample code	25-26/92862		
5. Date of sampling	15/07/2025		
6. Date of Sample testing	17/07/2025 To 20/07/2025		
7. Sampling duration (in minutes)	26.00 Min.		
8. Sampling Location	Boiler Stack (Unit -2 First Unit) - 660 MW		
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)	41°C		
18. Flue Gas Temperature (oC)	128°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Velocity of Gas	CPCB Emission	25.7	m/s	Not Specified

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TEST REPORT

Report No.		ISSPL/EN/25-26/06138/B			Date	20/07/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
		Regulation(Part -3)				
2	Temperature	CPCB Emission Regulation(Part -3)	128	°C	5	
3	Moisture	USEPA 4	14.6	%	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).

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TEST REPORT

Report No.	ISSPL/EN/25-26/06139/A	Date	20/07/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92861)		
3. Material Identification with details	Boiler Stack: Date and Time of Sampling: 15/07/2025 (11:40 am to 12:06 pm), Qty. 1 No.		
4. Sample code	25-26/92861		
5. Date of sampling	15/07/2025		
6. Date of Sample testing	17/07/2025 To 20/07/2025		
7. Sampling duration (in minutes)	26.00 Min.		
8. Sampling Location	Boiler Stack (Unit -3 Second Unit) - 660 MW		
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)	41°C		
18. Flue Gas Temperature (oC)	131°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chemical Testing:-					
1. Atmospheric Pollution:-					
1	Particulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	41.7	mg/Nm3	1

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TEST REPORT

Report No.		ISSPL/EN/25-26/06139/A			Date	20/07/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
		2019				
2	Sulphur dioxide (SO ₂)	USEPA 6C: 1996/By Flue Gas Analyzer	903.1	mg/Nm ³	0.3	
3	Oxides of Nitrogen (NO _x)	USEPA 7E: 1990/By Flue Gas Analyzer	214.6	mg/Nm ³	0.2	
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.30	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: PM, SO₂, NO_x at 6% O₂ Corr

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

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TEST REPORT

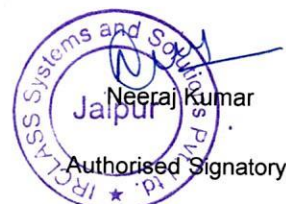
Report No.	ISSPL/EN/25-26/06139/B	Date	20/07/2025
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab	
2.	Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92861)	
3.	Material Identification with details	Boiler Stack: Date and Time of Sampling: 15/07/2025 (11:40 am to 12:06 pm), Qty. 1 No.	
4.	Sample code	25-26/92861	
5.	Date of sampling	15/07/2025	
6.	Date of Sample testing	17/07/2025 To 20/07/2025	
7.	Sampling duration (in minutes)	26.00 Min.	
8.	Sampling Location	Boiler Stack (Unit -3 Second Unit) - 660 MW	
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)	41°C	
18.	Flue Gas Temperature (oC)	131°C	

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. 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/25-26/06139/B			Date	20/07/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
		Regulation(Part -3)				
2	Temperature	CPCB Emission Regulation(Part -3)	131	°C	5	
3	Moisture	USEPA 4	14.9	%	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/25-26/06168	Date	20/07/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92832)		
3. Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4. Date of Sampling	13/07/2025 to 14/07/2025		
5. Time of Sampling	10:30 am to 10:30 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	17/07/2025		
10. Test Completed On	20/07/2025		
11. Date of sample Testing	17/07/2025 To 20/07/2025		
12. Nature & Activity of the Unit	Human and Plant Site Activities		
13. Ambient Temperature (oC)	Min. 27°C, Max. 32°C		
14. Weather Condition during Monitoring	Clear Sky		
15. Instrument Code & Calibration Status	ISSPL/INS/C/120, ISSPL/INS/128, ISSPL/INS/C/217		

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	9.20	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	13.5	µg/m ³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/25-26/06168			Date	20/07/2025
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	27.2	µg/m ³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	55.7	µg/m ³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	0.57	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:1- The Results Related only to the items tested.

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/25-26/06171	Date	20/07/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92829)		
3. Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4. Date of Sampling	14/07/2025 to 15/07/2025		
5. Time of Sampling	11:00 am to 11:00 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	17/07/2025		
10. Test Completed On	20/07/2025		
11. Date of sample Testing	17/07/2025 To 20/07/2025		
12. Nature & Activity of the Unit	Human and Plant Site Activities		
13. Ambient Temperature (oC)	Min. 27°C, Max. 32°C		
14. Weather Condition during Monitoring	Clear Sky		
15. Instrument Code & Calibration Status	ISSPL/INS/C/120, ISSPL/INS/128, ISSPL/INS/C/217		

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	9.90	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	15.8	µg/m ³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/25-26/06171			Date		20/07/2025
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	32.4	µg/m ³	60 (Max.)	1	
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	65.9	µg/m ³	100 (Max.)	1	
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.12	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-1- The Results Related only to the items tested.

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/25-26/06169		Date	20/07/2025
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2.	Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92831)		
3.	Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4.	Date of Sampling	13/07/2025 to 14/07/2025		
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	17/07/2025		
10.	Test Completed On	20/07/2025		
11.	Date of sample Testing	17/07/2025 To 20/07/2025		
12.	Nature & Activity of the Unit	Human and Plant Site Activities		
13.	Ambient Temperature (oC)	Min. 27°C, Max. 32°C		
14.	Weather Condition during Monitoring	Clear Sky		
15.	Instrument Code & Calibration Status	ISSPL/INS/C/122, ISSPL/INS/209, ISSPL/INS/C/218		

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	11.3	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/25-26/06169			Date		20/07/2025
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	31.7	µg/m ³	60 (Max.)	1	
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	62.5	µg/m ³	100 (Max.)	1	
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.04	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:1- The Results Related only to the items tested.

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/25-26/06172	Date	20/07/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92828)		
3. Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4. Date of Sampling	14/07/2025 to 15/07/2025		
5. Time of Sampling	02:00 pm to 02:00 pm		
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	17/07/2025		
10. Test Completed On	20/07/2025		
11. Date of sample Testing	17/07/2025 To 20/07/2025		
12. Nature & Activity of the Unit	Human and Plant Site Activities		
13. Ambient Temperature (oC)	Min. 27°C, Max. 32°C		
14. Weather Condition during Monitoring	Clear Sky		
15. Instrument Code & Calibration Status	ISSPL/INS/C/122, ISSPL/INS/209, ISSPL/INS/C/218		

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	14.6	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	19.0	µg/m ³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/25-26/06172			Date		20/07/2025
S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit	
2		:2017					
3	Particulate Matter (as PM _{2.5})	IS:5182 (Part 24):2019	41.9	µg/m ³	60 (Max.)	1	
4	Particulate Matter (as PM ₁₀)	IS:5182 (Part 23)-2006, Reaff:2017	80.3	µg/m ³	100 (Max.)	1	
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.24	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-1- The Results Related only to the items tested.

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/25-26/06170	Date	20/07/2025
1. Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab		
2. Reference No.	LOI No. LOI/PMPL/TSPL/2024/WO/005, Dated 09/11/2024 (Reg. No.25-26/92830)		
3. Material Identification with details	Ambient Air Quality Monitoring: Qty. 1 No.		
4. Date of Sampling	14/07/2025 to 15/07/2025		
5. Time of Sampling	10:00 am to 10:00 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	17/07/2025		
10. Test Completed On	20/07/2025		
11. Date of sample Testing	17/07/2025 To 20/07/2025		
12. Nature & Activity of the Unit	Human and Plant Site Activities		
13. Ambient Temperature (oC)	Min. 27°C, Max. 32°C		
14. Weather Condition during Monitoring	Clear Sky		
15. Instrument Code & Calibration Status	ISSPL/INS/C/120, ISSPL/INS/128, ISSPL/INS/C/217		

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	13.6	µg/m ³	80 (Max.)	4
2	Nitrogen Dioxide(as NO ₂)	IS:5182 (Part 6)-2006, Reaff	20.7	µg/m ³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/25-26/06170			Date		20/07/2025
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	39.9	µg/m ³	60 (Max.)	1	
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	78.2	µg/m ³	100 (Max.)	1	
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.09	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-1- The Results Related only to the items tested.

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

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

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