







CEG Tower, 1st& 2 nd 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/8	EN/24-25/22925/A	Date	30/01/2025		
1.	Name & address of Çustomer	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. 7	6075)			
3.	Material Identification with details	Boiler Stack: Date and Time of Sampling , Qty. 1 No.	: 23/01/2025 (10	:00 am to 10:28 am),		
4.	Sample code	76075				
5.	Date of sampling	23/01/2025				
6.	Date of Sample testing	25/01/2025 To 30/01/2025	25/01/2025 To 30/01/2025			
7.	Sampling duration (in minutes)	28 Min.				
8.	Sampling Location	Boiler stack (Unit-1 Third Unit) 660MW				
	i	6				
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	- Alle - Alle			
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. Chen	nical Testing:-			the second second	
1. Atmo	spheric 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	ISSPL/EN/24-25/22925/A		30/01/2025
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
1	-	2019			
2	Sulphur dioxide (SO2)	USEPA 6C: 1996/By Flue Gas Analyzer	870.9	mg/Nm3	0.3
3	Oxides of Nitrogen (NOX)	USEPA 7E: 1990/By Flue Gas Analyzer	200.4	mg/Nm3	0.2
4	Çarbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.4	PPM	0.1
5	Carbon Dioxide as (CO2)	USEPA 3A:1989	10.5	%	0.1
6	Oxyen as O2	USEPA 3A:1989	7.2	%	0.1
7	Mercury as (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ :0.001)	mg/Nm3	0.001

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.	SPL/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 Sar , Qty. 1 No.	mpling: 23/01/2025 (10:	00 am to 10:28 am),		
4.	Sample code	76075				
5.	Date of sampling	23/01/2025				
6.	Date of Sample testing	25/01/2025 To 30/01/2025	25/01/2025 To 30/01/2025			
7.	Sampling duration (in minutes)	28 Min.	28 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 S	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
Chemica	al Testing:-		- Martin		
. Atmosp	heric Pollution:-				
	locity of Gas	CPCB Emission			

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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).

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TEST REPORT

	Report No. IS	SPL/EN/24-25/22926/A	Date	30/01/2025		
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. N	No. 76074)	99		
3.	Material Identification with details	Boiler Stack: Date and Time of Samp , Qty. 1 No.	oling: 23/01/2025 (10:	40 am to 11:07 am),		
4.	Sample code	76074				
5.	Date of sampling	23/01/2025	23/01/2025			
6.	Date of Sample testing	25/01/2025 To 30/01/2025	25/01/2025 To 30/01/2025			
7.	Sampling duration (in minutes)	27 Min.				
8.	Sampling Location	Boiler Stack (Unit-2 First Unit) 660MV	V			
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 S	tatus ISSPL/INS/C/134				
16.	Control Measures if any	-				
17.	Ambient Temperature (oC)	24°C				
18.	Flue Gas Temperature (oC)	130°C				

RESULTS

and the same of th		Detection Limit
187.0		
30.7	mg/Nm3	1
	30.7	30.7 mg/Nm3

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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 (SO2)	USEPA 6C: 1996/By Flue Gas Analyzer	1012.8	mg/Nm3	0.3
3	Oxides of Nitrogen (NOX)	USEPA 7E: 1990/By Flue Gas Analyzer	136.8	mg/Nm3	0.2
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.2	PPM	0.1
5	Carbon Dioxide as (CO2)	USEPA 3A:1989	10.2	%	0.1
6	Oxyen as O2	USEPA 3A:1989	7.0	%	0.1
7	Mercury as (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ :0.001)	mg/Nm3	0.001

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).

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TEST REPORT

	Report No.	SPL/EN/24-25/22926/B	Date	30/01/2025		
1.	Name & address of Customer					
2.	Reference No.	Your TRF Dated: 25/01/2025 (Reg	J. No. 76074)			
3.	Material Identification with details	Boiler Stack: Date and Time of Sa , Qty. 1 No.	mpling: 23/01/2025 (10	:40 am to 11:07 am),		
4.	Sample code	76074				
5.	Date of sampling	23/01/2025				
6.	Date of Sample testing	25/01/2025 To 30/01/2025	25/01/2025 To 30/01/2025			
7.	Sampling duration (in minutes)	27 Min.	27 Min.			
8.	Sampling Location	Boiler Stack (Unit-2 First Unit) 660	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 S	Status ISSPL/INS/C/134		180		
16.	Control Measures if any					
17.	Ambient Temperature (oC)	24°C				
18.	Flue Gas Temperature (oC)	130°C				

RESULTS

S.No. Testing I. Chemical Testing . Atmospheric Po	st Parameters ng:-	Test Method	Results	Units	Detection Limit
Star Charles Charles Charles Charles	ng:-				
Atmospheric Po					
	ollution:-				
1 Velocity of	f Gas	CPCB Emission	26.4	m/s	Not Specified

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TEST REPORT

Report No.		ISSPL/EN/24-25/22926/B		Date	ate 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, 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.	SPL/EN/24-25/23195/A	Date	05/02/2025			
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660M Power Plant, Banawala, Mansa Dis	//////////////////////////////////////				
2.	Reference No.	Your TRF Dated: 31/01/2025 (Reg.	No. 75805)				
3.	Material Identification with details	Boiler Stack: Date and Time of San , Qty. 1 No.	npling: 27/01/2024 (10:	:00 am to 10:27 am),			
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) 66	SOMW				
9.	Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)					
10.	Type of stack	MS Circular					
11.	Stack attached to	Boiler Stack					
2.	Stack Diameter (in meters)	7.2					
3.	Stack height (in meters)	275					
4.	Type and quantity of fuel used	Coal					
5.	Instrument Code & Calibration S	tatus ISSPL/INS/C/134					
6.	Control Measures if any	N-R					
7.	Ambient Temperature (oC)	24°C					
8.	Flue Gas Temperature (oC)	130°C					

RESULTS

Test Method	Results	Units	Detection Limit
	100000000000000000000000000000000000000		
W			
IS 11255 (Part 1) 1985, RA:	34.17	mg/Nm3	1
	-	, todato	IO MOSS (D. M. M. MOSS D. M.

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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			Dottotton Emile
2	Sulphur dioxide (SO2)	USEPA 6C: 1996/By Flue Gas Analyzer	997.45	mg/Nm3	0.3
3	Oxides of Nitrogen (NOX)	USEPA 7E: 1990/By Flue Gas Analyzer	186.14	mg/Nm3	0.2
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.1	PPM	0.1
5	Carbon Dioxide as (CO2)	USEPA 3A:1989	10.2	%	0.1
6	Oxyen as O2	USEPA 3A:1989	7.1	%	0.1
7	Mercury as (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ :0.001)	mg/Nm3	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, NOX 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 Sam , Qty. 1 No.	pling: 27/01/2024 (10:	00 am to 10:27 am),		
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) 66	OMVV			
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	-	0.0			
7.	Ambient Temperature (oC)	24°C				
and the						

RESULTS

S.No.	Toot Description	- NEGOL				
0.140.	Test Parameters	Test Method	Results	Units	Detection Limit	
. Chemic	cal Testing:-				- ottobilon Ellint	
. Atmosp	oheric Pollution:-					
1 Ve	elocity of Gas CPCB Emission		26.1	I m/a I	N i O is i	
	, 00 2111100	o. oz zmiosiom	20.1	m/s	Not Specified	
		The second secon	1 1			

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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, NOX 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.	SSPL/EN/24-25/22130	Date	20/01/2025				
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X66 Power Plant, Banawala, Mansa		- I				
2.	Reference No.	Your TRF 14/01/2025 (Reg. No	. 76870)					
3.	Material Identification with details	Ambient Air Quality Monitoring	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 No1)	Station- 1 (CAAQMS No1)					
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 Moni	toring Clear Sky						
15.	Instrument Code & Calibration S	Status ISSPL/INS/C/121, ISSPL/INS/22	9, ISSPL/INS/C/220					

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I.Che	emical Parameter:-	ii.			920	
	1. Atmospheric Pollution	72				
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	7.5	μg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	15.6	μg/m³	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/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	66.7	μg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.62	mg/m³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	µg/m³	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.	SSPL/EN/24-25/22131	Date	20/01/2025				
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)	je .				
٠.	Material Identification with details	Ambient Air Quality Monitorin	g: 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	10:30 am to 10:30 am					
6.	Sampling Location	Station- 2 (CAAQMS No 2)	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	7/3					
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 Mor	nitoring Clear Sky						
15.	Instrument Code & Calibration	Status ISSPL/INS/C/212, ISSPL/INS/1	29, ISSPL/INS/C/221					

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I.Che	mical Parameter:-					
	1. Atmospheric Pollution					
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	8.5	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	16.2	μg/m³	80 (Max.)	6

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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/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	72.4	µg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.59	mg/m	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	μg/m³	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).

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TEST REPORT

Report No.	SSPL/EN/24-25/22132	Date	20/01/2025				
Name & address of Customer							
Reference No.	Your TRF 14/01/2025 (Reg. No	. 76868)	-				
Material Identification with details	Ambient Air Quality Monitorin	g: Qty. 1 No.					
Date of Sampling	12/01/2025 to 13/01/2025	12/01/2025 to 13/01/2025					
Time of Sampling	11:00 am to 11:00 am						
Sampling Location	Station- 3 (CAAQMS No3)	Station- 3 (CAAQMS No3)					
Sampling Protocol	IS:5182 (Pt-14) 2000						
Duration of Sampling (Minutes)	1440 Min.						
Test Started On	14/01/2025						
Test Completed On	20/01/2025						
Date of sample Testing	16/01/2025 To 20/01/2025						
Nature & Activity of the Unit	Human and Plant Site Activities						
Ambient Temperature (oC)	Min. 8°C, Max. 18°C						
Weather Condition during Moni	toring Clear Sky						
Instrument Code & Calibration S	Status ISSPI /INS/C/212 ISSPI /INS/12	9 ISSPI /INS/C/221					
	Reference No. Material Identification with details Date of Sampling Time of Sampling Sampling Location Sampling Protocol Duration of Sampling (Minutes) Test Started On Test Completed On Date of sample Testing Nature & Activity of the Unit Ambient Temperature (oC) Weather Condition during Moni	Name & address of Çustomer Power Mech Project Limited Talwandi Sabo Power Ltd., 3X66 Power Plant, Banawala, Mansa Reference No. Your TRF 14/01/2025 (Reg. No. Material Identification with details Date of Sampling 12/01/2025 to 13/01/2025 Time of Sampling 11:00 am to 11:00 am Sampling Location Station- 3 (CAAQMS No3) Sampling Protocol Duration of Sampling (Minutes) 1440 Min. Test Started On 14/01/2025 Test Completed On Date of sample Testing Nature & Activity of the Unit Ambient Temperature (oC) Min. 8°C, Max. 18°C Weather Condition during Monitoring Clear Sky	Name & address of Customer Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660MW Thermal Power Plant, Banawala, Mansa District Punjab Reference No. Your TRF 14/01/2025 (Reg. No. 76868) Material Identification with details Ambient Air Quality Monitoring: Qty. 1 No. Date of Sampling 12/01/2025 to 13/01/2025 Time of Sampling 11:00 am to 11:00 am Sampling Location Station- 3 (CAAQMS No3) Sampling Protocol Duration of Sampling (Minutes) 1440 Min. Test Started On 14/01/2025 Test Completed On 20/01/2025 Date of sample Testing 16/01/2025 To 20/01/2025 Nature & Activity of the Unit Human and Plant Site Activities Ambient Temperature (oC) Min. 8°C, Max. 18°C Weather Condition during Monitoring Clear Sky				

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I.Che	mical Parameter:-			***		
	1. Atmospheric Pollution					
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	9.3	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	16.9	μg/m³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/24-25/22132			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	36.6	µg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	81.1	μg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.64	mg/m³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	μg/m³	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).

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TEST REPORT

	Report No.	SSPL/EN/24-25/22189	Date	20/01/2025				
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X6 Power Plant, Banawala, Mansa						
2.	Reference No.	Your TRF 15/01/2025 (Reg. No	. 76811)					
3.	Material Identification with details	Ambient Air Quality Monitorin	g: 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)	Station- 4 (CAAQMS No 4)					
7.	Sampling Protocol	IS:5182 (Pt-14) 2000	IS:5182 (Pt-14) 2000					
3.	Duration of Sampling (Minutes)	1440 Min.	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	15/01/2025 To 20/01/2025					
12.	Nature & Activity of the Unit	Human and Plant Site Activities	Human and Plant Site Activities					
13.	Ambient Temperature (oC)	Min. 8°C, Max. 18°C	Min. 8°C, Max. 18°C					
14.	Weather Condition during Monit	oring Clear Sky						
15.	Instrument Code & Calibration S	tatus ISSPL/INS/C/214, ISSPL/INS/19	7 ISSPL/INS/C/221					

RESULTS

S.No.	Hame of rest	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I.Che	emical Parameter:-					V N
	1. Atmospheric Pollution					
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	8.4	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	18.5	μg/m³	80 (Max.)	6

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TEST REPORT

Report No.		ISSPL/EN/24-25/22189			ate	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	38.8	µg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	75.6	μg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.48	mg/m³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	μg/m³	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).

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TEST REPORT

	Report No.	SPL/EN/24-25/22190	Date	20/01/2025				
1.	Name & address of Customer	Power Mech Project Limited Talwandi Sabo Power Ltd., 3X660 Power Plant, Banawala, Mansa D		,				
2.	Reference No.	Your TRF 15/01/2025 (Reg. No. 7	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	Village Chehlanwali					
7.	Sampling Protocol	IS:5182 (Pt-14) 2000	IS:5182 (Pt-14) 2000					
8.	Duration of Sampling (Minutes)	1440 Min.	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	Human and Plant Site Activities					
13.	Ambient Temperature (oC)	Min. 8°C, Max. 18°C						
14.	Weather Condition during Monit	oring Clear Sky						
15.	Instrument Code & Calibration S	tatus 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.Che	emical Parameter:-					
	1. Atmospheric Pollution				1,000	
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	10.4	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	21.8	μg/m³	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/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	85.7	μg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.55	mg/m³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.0005)	μg/m³	12 30	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).

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