IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20198/A	**Date**	20/12/2024
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: 15/12/2024 (Reg. No. 78802)		
3.	**Material Identification with details**	**Boiler Stack:** Date and Time of Sampling: 14/12/2024 (11:40 pm to 12:10 pm), Qty. 1 No.		
4.	**Sample code**	78802		
5.	**Date of sampling**	14/12/2024		
6.	**Date of Sample testing**	15/12/2024 To 20/12/2024		
7.	**Sampling duration (in minutes)**	30 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)**	26°C		
18.	**Flue Gas Temperature (oC)**	133°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chemical Testing:-					
	1. Atmospheric Pollution:-				
1	Particulate Matter (PM) at 6% O2 Corr.	IS 11255 (Part 1) 1985, RA:	29	mg/Nm3	1

Reviewed By

Parmeshwar Lal
Authorised Signatory

HO: 52A, Adi Shankaracharya Marg, Opp. Powai Lake, Powai, Mumbai - 400 072 www.irclass.org
CIN : U74120MH2014PTC254091

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20198/A		Date	20/12/2024
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
		2019			
2	Sulphur dioxide (SO2) at 6% O2 Corr.	USEPA 6C: 1996/By Flue Gas Analyzer	912	mg/Nm3	0.3
3	Oxides of Nitrogen (NOX) at 6% O2 Corr.	USEPA 7E: 1990/By Flue Gas Analyzer	192	mg/Nm3	0.2
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	3.42	PPM	0.1
5	Carbon Dioxide as CO2	USEPA 3A:1989	9.6	%	0.1
6	Oxyen as O2	USEPA 3A:1989	7.3	%	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: 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

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory
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/EN/24-25/20198/B	**Date**	20/12/2024
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: 15/12/2024 (Reg. No. 78802)		
3.	**Material Identification with details**	**Boiler Stack:** Date and Time of Sampling: 14/12/2024 (11:40 pm to 12:10 pm), Qty. 1 No.		
4.	**Sample code**	78802		
5.	**Date of sampling**	14/12/2024		
6.	**Date of Sample testing**	15/12/2024 To 20/12/2024		
7.	**Sampling duration (in minutes)**	30 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)**	26°C		
18.	**Flue Gas Temperature (oC)**	133°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chemical Testing:-					
	1. Atmospheric Pollution:-				
1	Velocity of Gas	CPCB Emission	25.8	m/s	Not Specified

Reviewed By

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

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

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/EN/24-25/20198/B		Date	20/12/2024
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
		Regulation(Part -3)			
2	Temperature	CPCB Emission Regulation(Part -3)	142	°C	5
3	Moisture	USEPA 4	11.5	%	1

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

Remark-1: 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

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20199/A	**Date**	20/12/2024
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: 15/12/2024 (Reg. No. 78801)		
3.	**Material Identification with details**	**Boiler Stack:** Date and Time of Sampling: 14/12/2024 (11:00 am to 11:30 am), Qty. 1 No.		
4.	**Sample code**	78801		
5.	**Date of sampling**	14/12/2024		
6.	**Date of Sample testing**	15/12/2024 To 20/12/2024		
7.	**Sampling duration (in minutes)**	30 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)**	26°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) at 6% O2 Corr.	IS 11255 (Part 1) 1985, RA:	37	mg/Nm3	1

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd.
Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20199/A		Date	20/12/2024
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
		2019			
2	Sulphur dioxide (SO2) at 6% O2 Corr.	USEPA 6C: 1996/By Flue Gas Analyzer	904	mg/Nm3	0.3
3	Oxides of Nitrogen (NOX) at 6% O2 Corr.	USEPA 7E: 1990/By Flue Gas Analyzer	211.14	mg/Nm3	0.2
4	Carbon Monoxide as (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.4	PPM	0.1
5	Carbon Dioxide as CO2	USEPA 3A:1989	9.2	%	0.1
6	Oxyen as O2	USEPA 3A:1989	8.3	%	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: 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

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

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/EN/24-25/20199/B	**Date**	20/12/2024
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: 15/12/2024 (Reg. No. 78801)		
3.	**Material Identification with details**	**Boiler Stack:** Date and Time of Sampling: 14/12/2024 (11:00 am to 11:30 am), Qty. 1 No.		
4.	**Sample code**	78801		
5.	**Date of sampling**	14/12/2024		
6.	**Date of Sample testing**	15/12/2024 To 20/12/2024		
7.	**Sampling duration (in minutes)**	30 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)**	26°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	25.6	m/s	Not Specified

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd. Jaipur

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

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/EN/24-25/20199/B		Date	20/12/2024
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
		Regulation(Part -3)			
2	Temperature	CPCB Emission Regulation(Part -3)	124	°C	5
3	Moisture	USEPA 4	11.6	%	1

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

Remark-1: 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

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20209	**Date**	20/12/2024
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 16/12/2024 (Reg. No. 78791)		
3.	**Material Identification with details**	**Ambient Air Quality Monitoring:** Qty. 1 No.		
4.	**Date of Sampling**	13/12/2024 to 14/12/2024		
5.	**Time of Sampling**	11:00 am to 11:00 am		
6.	**Sampling Location**	Station No. 01 (CAAQMS)		
7.	**Sampling Protocol**	IS:5182 (Pt-14) 2000		
8.	**Duration of Sampling (Minutes)**	1440 Min.		
9.	**Test Started On**	16/12/2024		
10.	**Test Completed On**	20/12/2024		
11.	**Date of sample Testing**	16/12/2024 To 20/12/2024		
12.	**Nature & Activity of the Unit**	Human and Plant Site Activities		
13.	**Ambient Temperature (oC)**	Min. 12°C, Max. 22°C		
14.	**Weather Condition during Monitoring**	Clear Sky		
15.	**Instrument Code & Calibration Status**	ISSPL/INS/C/212, ISSPL/INS/197, ISSPL/INS/C/126		

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 SO2)	IS:5182 (Part 2)-2001, Reaff :2017	8.1	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	30.8	µg/m³	80 (Max.)	6

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd. Jaipur

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory
TC-5843
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/EN/24-25/20209			Date	20/12/2024
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	29.76	µg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	68.14	µg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.24	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

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd.

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20193	Date	20/12/2024
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 15/12/2024 (Reg. No. 78807)		
3.	Material Identification with details	**Ambient Air Quality Monitoring:** Qty. 1 No.		
4.	Date of Sampling	13/12/2024 to 14/12/2024		
5.	Time of Sampling	10:30 am to 10:30 am		
6.	Sampling Location	Station No. 02 (CAAQMS)		
7.	Sampling Protocol	IS:5182 (Pt-14) 2000		
8.	Duration of Sampling (Minutes)	1440 Min.		
9.	Test Started On	15/12/2024		
10.	Test Completed On	20/12/2024		
11.	Date of sample Testing	15/12/2024 To 20/12/2024		
12.	Nature & Activity of the Unit	Human and Plant Site Activities		
13.	Ambient Temperature (oC)	Min. 12°C, Max. 22°C		
14.	Weather Condition during Monitoring	Clear Sky		
15.	Instrument Code & Calibration Status	ISSPL/INS/C/172, ISSPL/INS/209, ISSPL/INS/C/123		

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 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	31.6	µg/m³	80 (Max.)	6

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd.

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20193			Date	20/12/2024
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	37.63	µg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	73.21	µg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.61	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

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd. Jaipur

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20210	**Date**	20/12/2024
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 16/12/2024 (Reg. No. 78790)		
3.	**Material Identification with details**	**Ambient Air Quality Monitoring:** Qty. 1 No.		
4.	**Date of Sampling**	13/12/2024 to 14/12/2024		
5.	**Time of Sampling**	11:30 am to 11:30 am		
6.	**Sampling Location**	Station No 3 (CAAQMS)		
7.	**Sampling Protocol**	IS:5182 (Pt-14) 2000		
8.	**Duration of Sampling (Minutes)**	1440 Min.		
9.	**Test Started On**	16/12/2024		
10.	**Test Completed On**	20/12/2024		
11.	**Date of sample Testing**	16/12/2024 To 20/12/2024		
12.	**Nature & Activity of the Unit**	Human and Plant Site Activities		
13.	**Ambient Temperature (oC)**	Min. 12°C, Max. 22°C		
14.	**Weather Condition during Monitoring**	Clear Sky		
15.	**Instrument Code & Calibration Status**	ISSPL/INS/C/214, ISSPL/INS/228, ISSPL/INS/C/219		

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 SO2)	IS:5182 (Part 2)-2001, Reaff :2017	9.4	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	34.7	µg/m³	80 (Max.)	6

Reviewed By

IRCLASS Systems And Solutions Jaipur

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20210			Date	20/12/2024
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	38.95	µg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	84.97	µg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.38	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

Reviewed By

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20194	**Date**	20/12/2024
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 15/12/2024 (Reg. No. 78806)		
3.	**Material Identification with details**	**Ambient Air Quality Monitoring:** Qty. 1 No.		
4.	**Date of Sampling**	13/12/2024 to 14/12/2024		
5.	**Time of Sampling**	11:00 am to 11:00 am		
6.	**Sampling Location**	Station No. 04 (CAAQMS)		
7.	**Sampling Protocol**	IS:5182 (Pt-14) 2000		
8.	**Duration of Sampling (Minutes)**	1440 Min.		
9.	**Test Started On**	15/12/2024		
10.	**Test Completed On**	20/12/2024		
11.	**Date of sample Testing**	15/12/2024 To 20/12/2024		
12.	**Nature & Activity of the Unit**	Human and Plant Site Activities		
13.	**Ambient Temperature (oC)**	Min. 12°C, Max. 22°C		
14.	**Weather Condition during Monitoring**	Clear Sky		
15.	**Instrument Code & Calibration Status**	ISSPL/INS/C/172, ISSPL/INS/209, ISSPL/INS/C/123		

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 SO2)	IS:5182 (Part 2)-2001, Reaff :2017	8.8	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	32.5	µg/m³	80 (Max.)	6

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd. Jaipur

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20194			Date	20/12/2024
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	32.18	µg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	76.92	µg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.41	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

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd. Jaipur

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory
TC-5843
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/EN/24-25/20195	Date	20/12/2024
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 15/12/2024 (Reg. No. 78805)		
3.	**Material Identification with details**	**Ambient Air Quality Monitoring:** Qty. 1 No.		
4.	**Date of Sampling**	14/12/2024 to 15/12/2024		
5.	**Time of Sampling**	11:30 am to 11:30 am		
6.	**Sampling Location**	Village Chelanwali		
7.	**Sampling Protocol**	IS:5182 (Pt-14) 2000		
8.	**Duration of Sampling (Minutes)**	1440 Min.		
9.	**Test Started On**	15/12/2024		
10.	**Test Completed On**	20/12/2024		
11.	**Date of sample Testing**	15/12/2024 To 20/12/2024		
12.	**Nature & Activity of the Unit**	Human and Plant Site Activities		
13.	**Ambient Temperature (oC)**	Min. 12°C, Max. 22°C		
14.	**Weather Condition during Monitoring**	Clear Sky		
15.	**Instrument Code & Calibration Status**	ISSPL/INS/C/172, ISSPL/INS/209, ISSPL/INS/C/123		

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 SO2)	IS:5182 (Part 2)-2001, Reaff :2017	9.9	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	33.1	µg/m³	80 (Max.)	6

Reviewed By

Parmeshwar Lal
Authorised Signatory

IRCLASS
SYSTEMS AND SOLUTIONS PRIVATE LIMITED
(Promoted by Indian Register of Shipping)
Testing Laboratory

TC-5843

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/EN/24-25/20195			Date	20/12/2024
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	36.14	µg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	86.79	µg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	1.52	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

Reviewed By

IRCLASS Systems And Solutions Pvt. Ltd.

Parmeshwar Lal
Authorised Signatory