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Testing Laboratory







Malviya Nagar, Jaipur, Rajasthan - 302017: India Tel: 0141-4805672 | Email - lab@irclass.org | Website : www.isspllab.com

TEST REPORT

	Report No. ISS	PL/EN/24-25/00197	Date	20/07/2024					
1.	Name & address of Customer	KEPCO Plant Service & Engine Talwandi Sabo Power Ltd., 3X66 Power Plant, Banawala, Mansa D							
2.	Reference No.	Your TRF Dated: 13/07/2024 (Re	Your TRF Dated: 13/07/2024 (Reg. No. 98803)						
3.	Material Identification with details	Ambient Air Quality Monitoring: D am) to 12/07/2024 (11:20 am), Lo No.	Pate and Time of Sampling ocation: Core Zone Station	g: 11/07/2024 (11:20 n No.1 (AAQMS), Qty. 1					
4.	Date of Sampling	11/07/2024	11/07/2024						
5.	Time of Sampling	11:20 am to 11:20 am		100					
6.	Sampling Location	Core Zone Station No.1 (AAQMS)						
7.	Sampling Protocol	IS: 5182 (Pt. 14) 2000							
8.	Duration of Sampling (Minutes)	1440 Min.	1440 Min.						
9.	Test Started On	13/07/2024							
10.	Test Completed On	19/07/2024	*						
11.	Date of sample Testing	13/07/2024 To 19/07/2024	13/07/2024 To 19/07/2024						
12.	Nature & Activity of the Unit	Human and Plat Site Activity							
13.	Ambient Temperature (oC)	Min. 28°C, Max. 38°C	Min. 28°C, Max. 38°C						
14.	Weather Condition during Monitor	ring Cloudy Sky	ng Cloudy Sky						
15.	Instrument Code & Calibration Sta	tus RDS-15-G-267, FPS-364-2008, G	SSM-12-1-243						

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I.Che	mical Parameter:-	18				
	1. Atmospheric Pollution	١.				
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	17.5	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	25.4	µg/m³	80 (Max.)	6

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TEST REPORT

	Report No.	ISSPL/EN/24-25/00197			Date	20/07/2024
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	40.3	μg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	80.4	μg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	0.67	mg/m³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LO Q:0.000	µg/m³	1.0 (Max.)	0.0005
			5)			

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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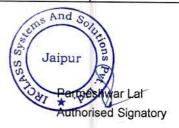
TEST REPORT

	Report No.	SSPL/EN/24-25/00198	Date	20/07/2024				
1.	Name & address of Customer	KEPCO Plant Service & Engineering Talwandi Sabo Power Ltd., 3X660MW Power Plant, Banawala, Mansa Distric	/Thermal					
2.	Reference No.	Your TRF Dated: 13/07/2024 (Reg. No.	o. 98802)					
3.	Material Identification with details	Ambient Air Quality Monitoring: Date a pm) to 12/07/2024 (12:00 pm), Locatio No.	and Time of Sampling on: Core Zone Station	g: 11/07/2024 (12:00 n No.2 (AAQMS), Qty. 1				
4.	Date of Sampling	11/07/2024						
5.	Time of Sampling	12:00 pm to 12:00 pm						
6.	Sampling Location	Core Zone Station No.2 (AAQMS)	Core Zone Station No.2 (AAQMS)					
7.	Sampling Protocol	IS: 5182 (Pt. 14) 2000						
8.	Duration of Sampling (Minutes)	1440 Min.						
9.	Test Started On	13/07/2024						
10.	Test Completed On	19/07/2024						
11.	Date of sample Testing	13/07/2024 To 19/07/2024						
12.	Nature & Activity of the Unit	Human and Plat Site Activity						
13.	Ambient Temperature (oC)	Min. 28°C, Max. 38°C						
14.	Weather Condition during Moni	toring Cloudy Sky						
15.	Instrument Code & Calibration	Status ISSPL/INS/C/121, ISSPL/INS/C/129, IS	SSPL/INS/C/131					

RESULTS

S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I.Che	emical Parameter:-				34	
	1. Atmospheric Pollutio	on				
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	19.7	µg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	27.5	μg/m³	80 (Max.)	6

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TEST REPORT

	Report No.	ISSPL/EN/24-25/00198			Date	20/07/2024
S.No.	Name of Test	Method of Test	Results Unit	Unit	Limit as per NAAQS*	Detection Limit
2		:2017				
3	Particulate Matter (as PM2.5)	IS:5182 (Part 24):2019	46.1	μg/m³	60 (Max.)	1
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	86.9	µg/m³	100 (Max.)	1
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	0.72	mg/m³	4 (Max.)	0.02
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ: 0.000	µg/m³	1.0 (Max.)	0.0005
		N.	5)			

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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	Report No.	SPL/EN/24-25/00199	L/EN/24-25/00199 Date 20/07/2024					
1.	Name & address of Customer	KEPCO Plant Service & Enginee Talwandi Sabo Power Ltd., 3X660 Power Plant, Banawala, Mansa Di	MW Thermal					
2.	Reference No.	Your TRF Dated: 13/07/2024 (Re	Your TRF Dated: 13/07/2024 (Reg. No.98801)					
3.	Material Identification with details	Ambient Air Quality Monitoring: Da pm) to 12/07/2024 (12:30 pm), Loo No.	ate and Time of Sampling cation: Core Zone Station	g: 11/07/2024 (12:30 n No.3 (AAQMS), Qty. 1				
4.	Date of Sampling	11/07/2024						
5.	Time of Sampling	12:30 pm to 12:30 pm	12:30 pm to 12:30 pm					
6.	Sampling Location	Core Zone Station No.3 (AAQMS)	Core Zone Station No.3 (AAQMS)					
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	13/07/2024						
10.	Test Completed On	19/07/2024						
11.	Date of sample Testing	13/07/2024 To 19/07/2024						
12.	Nature & Activity of the Unit	Human and Plat Site Activity						
13.	Ambient Temperature (oC)	Min. 28°C, Max. 38°C	Min. 28°C, Max. 38°C					
14.	Weather Condition during Monito	oring Cloudy Sky	ng Cloudy Sky					
15.	Instrument Code & Calibration St	Instrument Code & Calibration Status ISSPL/INS/C/120, ISSPL/INS/C/128, ISSPL/INS/C/122						
		DECLUTE						

RESULTS

S.No.	·	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I.Che	emical Parameter:-				INAAGO	
	1. Atmospheric Pollution				16	
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	21.5	μg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)		25.2	μg/m³	80 (Max.)	6

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Results	Unit	Limit as per NAAQS*	Detection Limit
019 42.1			
019 42.1			
	μg/m³	60 (Max.)	1
006, 77.8	µg/m³	100 (Max.)	1
999 0.68	mg/m³	4 (Max.)	0.02
3.5 BLQ(LOQ: 0.000		1.0 (Max.)	0.0005
_	BLQ(LOQ 0.000	5.5 BLQ(LOQ: µg/m³	BLQ(LOQ: µg/m³ 1.0 (Max.) 0.000 5)

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/24-25/00200	Date	20/07/2024				
1.	Name & address of Customer	KEPCO Plant Service & Engir Talwandi Sabo Power Ltd., 3X6 Power Plant, Banawala, Mansa	60MW Thermal					
2.	Reference No.	Your TRF Dated: 13/07/2024 (F	Reg. No.87086)					
3.	Material Identification with details	Ambient Air Quality Monitoring: pm) to 12/07/2024 (12:50 pm), I No.	Date and Time of Sampling Location: Core Zone Station	g: 11/07/2024 (12:50 n No.4 (AAQMS), Qty. 1				
4.	Date of Sampling	11/07/2024	10					
5.	Time of Sampling	12:50 pm to 12:50 am						
6.	Sampling Location	Core Zone Station No.4 (AAQM	Core Zone Station No.4 (AAQMS)					
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	13/07/2024						
10.	Test Completed On	19/07/2024						
11.	Date of sample Testing	13/07/2024 To 19/07/2024						
12.	Nature & Activity of the Unit	Human and Plat Site Activity						
13.	Ambient Temperature (oC)	Min. 28°C, Max. 38°C						
14.	Weather Condition during Mon	toring Cloudy Sky						
15.	Instrument Code & Calibration	Status ISSPL/INS/C/172, ISSPL/INS/C/	199, ISSPL/INS/C/179					

RESULTS

S.No.		KESUL				
	Nume of Test	Method of Test	Results	Unit	Limit as per NAAQS*	Detection Limit
I.Che	emical Parameter:- 1. Atmospheric Pollution		*	(35.)		
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	15.1	μg/m³	80 (Max.)	4
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	27.2	μg/m³	80 (Max.)	6

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	Report No.	ISSPL/EN/24-25/00200	SSPL/EN/24-25/00200			20/07/2024	
S.No.	Name of Test	Method of Test	Results	Unit	Limit as per	Detection Limit	
2		:2017					
3	Particulate Matter (as PM2.5)	IS:5182 (Part 24):2019	48.4	μg/m³	60 (Max.)	1	
4	Particulate Matter (-as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	88.9	μg/m³	100 (Max.)	1	
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	0.76	mg/m³	4 (Max.)	0.02	
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.000 5)	μg/m³	1.0 (Max.)	0.005	

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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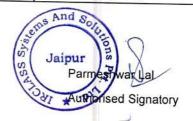
TEST REPORT

	Report No.	SPL/EN/24-25/00201	Date	20/07/2024
1.	Name & address of Customer	KEPCO Plant Service & Engineerin Talwandi Sabo Power Ltd., 3X660MN Power Plant, Banawala, Mansa Distr	W Thermal	
2.	Reference No.	Your TRF Dated: 13/07/2024 (Reg. N	No.98799)	W W
3.	Material Identification with details	Ambient Air Quality Monitoring: Date pm) to 12/07/2024 (01:20 pm), Lo Village(AAQMS), Qty. 1 No.	and Time of Sampling ocation: Near Buffer	g: 11/07/2024 (01:20 Zone Chappianwali
4.	Date of Sampling	11/07/2024		
5.	5. Time of Sampling 01:20 pm to 01:20 pm			
6. Sampling Location Near Buffer Zone Chappianwali Village (AAQMS)				
7.	Sampling Protocol	IS: 5182 (Pt. 14) 2000		
8.	Duration of Sampling (Minutes)	1440 Min.		
9.	Test Started On	13/07/2024		
10.	Test Completed On	19/07/2024		
11.	Date of sample Testing	13/07/2024 To 19/07/2024		
12.	Nature & Activity of the Unit	Human and Plat Site Activity		
13.	Ambient Temperature (oC)	Min. 28°C, Max. 38°C		
14.	Weather Condition during Monitor	ring Cloudy Sky		
15.	Instrument Code & Calibration Sta	tus ISSPL/INS/C/214, ISSPL/INS/C/228, I		

RESULTS

C NI-	An appearance of the Control of the	NESULIS			
S.No.	Name of Test	Method of Test	Results	Unit	Limit as per NAAQS*
I.Che	mical Parameter:-			25,850%	
	1. Atmospheric Pollution				
1	Sulphur Dioxide (as SO2)	IS:5182 (Part 2)-2001, Reaff :2017	16.2	µg/m³	80 (Max.)
2	Nitrogen Dioxide(as NO2)	IS:5182 (Part 6)-2006, Reaff	28.6	μg/m³	80 (Max.)

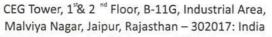
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TEST REPORT

Report No.		ISSPL/EN/24-25/00201		Da	te	20/07/2024
S.No.	Name of Test	Method of Test	Results	Unit	Li	imit as per NAAQS*
2		:2017				
3	Particulate Matter (as PM2.5)	IS:5182 (Part 24):2019	44.6	μg/m³		60 (Max.)
4	Particulate Matter (as PM10)	IS:5182 (Part 23)-2006, Reaff:2017	87.8	µg/m³		100 (Max.)
5	Carbon Monoxide (as CO)	IS 5182 (Part -10):1999	0.81	mg/m³		4 (Max.)
6	Lead (as Pb)	USEPA Method IO 3.5 1999	BLQ(LOQ:0.000 5)	μg/m³ .		1.0 (Max.)

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

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	Report No.	ISSPL/EN/24-25/00250/A	Data	1.00
1.		KEPCO Plant Service & Engineeri Talwandi Sabo Power Ltd., 3X660M Power Plant, Banawala, Mansa Distr	W Thermal	30/07/2024
2.	Reference No.	Your TRF Dated: 22/07/2024 (Reg.N	lo. 86858)	
3.	Material Identification with details	Boiler Stack: Date and Time of Samp Location: Boiler Stack-1 (Third Unit) L	lling: 18/07/2024 (11:3 Jnit-1, Qty. 1 No.	30 am to 11:55 am)
•)	Sample code	86858	AN CONTRACTOR OF THE STATE OF T	
.:	Date of sampling	18/07/2024	1/5	
	Date of Sample testing	22/07/2024 To 30/07/2024		
	Sampling duration (in minutes)	25 Min.		
	Sampling Location	Boiler Stack-1 (Third Unit) Unit-1		
s 1	Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)		
).	Type of stack	MS Circular	(a)	
	Stack attached to	Boiler Stack		
2.	Stack Diameter (in meters)	7.2 Mtr.		Ello
	Stack height (in meters)	275 Mtr.		
	Type and quantity of fuel used	Coal		
	Instrument Code & Calibration S			
	Control Measures if any			
	Ambient Temperature (oC)	. 42°C		
	Flue Gas Temperature (oC)	1 11- 5		

RESULTS

No. Test Parameters				
3I. Chemical Testing:-	Test Method	Results	Units	Detection Limit
1. Atmospheric Pollution:-			•	
1 Particulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	35.5	T T	
	(33.3	mg/Nm3	1

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Report No.		ISSPL/EN/24-25/00250/A		Date	30/07/2024	
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit	
1		2019			E Property (Control of the Control o	
2	Sulphur dioxide (SO2)	USEPA 6C: 1996/By Flue Gas Analyzer	1151	mg/Nm3	0.3	
3	Oxides of Nitrogen (NOX)	USEPA 7E: 1990/By Flue Gas Analyzer	187	mg/Nm3	0.2	
4	Carbon Monoxide (CO)	USEPA 10: 1996/By Flue Gas Analyzer	4.4	mg/Nm3.	0.1	
5	CO2	USEPA 3A:1989	11.6	%	0.1	
6	O2	USEPA 3A:1989	7.1	%	0.1	
7	Mercury (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ0.01)	μg/Nm3	0.01	

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

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

End of the Report

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Parmeshwar Lal
Authorised Signatory



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TEST REPORT

	Report No.	ISSPL/EN/24-25/00250/B	Date	30/07/2024	
1.	Name & address of Customer	KEPCO Plant Service & Engineer Talwandi Sabo Power Ltd., 3X660l Power Plant, Banawala, Mansa Dis	ring Co. Ltd.	30/01/2024	
2.	Reference No.	Your TRF Dated: 22/07/2024 (Reg.	No. 86858)		
3.	Material Identification with details	Boiler Stack: Date and Time of San Location: Boiler Stack-1 (Third Unit	npling: 18/07/2024 (11:: Unit-1, Qty. 1 No.	30 am to 11:55 am),	
4.	Sample code	86858	19		
5.	Date of sampling	18/07/2024			
6.	Date of Sample testing	22/07/2024 To 30/07/2024			
7.	Sampling duration (in minutes	Sampling duration (in minutes) 25 Min.			
8.	Sampling Location	Boiler Stack-1 (Third Unit) Unit-1	8		
9.	Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)			
0.	Type of stack	MS Circular			
1.	Stack attached to	Boiler Stack			
2.	Stack Diameter (in meters)	7.2 Mtr.			
3.	Stack height (in meters)	275 Mtr.			
4.	Type and quantity of fuel used				
5.	Instrument Code & Calibration		9	20	
6.	Control Measures if any	-			
7.	Ambient Temperature (oC)	42°C			
8.	Flue Gas Temperature (oC)	129°C			

RESULTS

S.No.	Test Parameters	Test Method	Results	T	
3I. Chemic	cal Testing:-	- I a a a a a a a a a a a a a a a a a a	Results	Units	Detection Limit
1. A	tmospheric Pollution:-	9			
1 Velo	ocity of Gas	CPCB Emission	25.8	m/a	N O is
17/0			20.0	m/s	Not Specified

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TEST REPORT

	Report No.	ISSPL/EN/24-25/00250/E			Date	30/07/2024
S.No.	Test Parameters	Test Method	Results	Units		THE ASSESSMENT OF THE PARTY OF
1		Regulation(Part -3)		Onto	_	Detection Limit
2	Temperature	CPCB Emission Regulation(Part -3)	124	°C	70	5
3	Moisture .	USEPA 4	13.8	%	1	

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

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

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TEST REPORT

	Report No. ISS	PL/EN/24-25/00251/A	Date	30/07/2024
1.	Name & address of Customer	KEPCO Plant Service & Engineering Co Talwandi Sabo Power Ltd., 3X660MW Th Power Plant, Banawala, Mansa District P	nermal	
2.	Reference No.	Your TRF Dated: 22/07/2024 (Reg. No. 9	8750)	
3.	Material Identification with details	Boiler Stack: Date and Time of Sampling: Location: Boiler Stack-2 (First Unit) Unit-2	18/07/2024 (12: 2, Qty. 1 No.	10 pm to 12:35 pm),
4.	Sample code	98750		
5.	Date of sampling	18/07/2024		
6.	Date of Sample testing 22/07/2024 To 30/07/2024			
7.	Sampling duration (in minutes)	25 Min.		
8.	Sampling Location	Boiler Stack-2 (First Unit) Unit-2		
9.	Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)		
10.	Type of stack	MS Circular		
11.	Stack attached to	Boiler Stack	27	
12.	Stack Diameter (in meters)	7.2 Mtr.		
13.	Stack height (in meters)	275 Mtr.		
4.	Type and quantity of fuel used	Coal		
5.	Instrument Code & Calibration Sta	atus ISSPL/INS/C/134		
6.	Control Measures if any	-		
7.	Ambient Temperature (oC)	42°C		
8.	Flue Gas Temperature (oC)	126°C		8

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chemi	ical Testing:-		74		Detection Limit
1. A	Atmospheric Pollution:-				
1 Par	rticulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	36.2	mg/Nm3	1

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TEST REPORT

	Report No.	ISSPL/EN/24-25/12144/A		Date	30/07/2024
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
1		2019			
2	Sulphur dioxide (SO2)	USEPA 6C: 1996/By Flue Gas Analyzer	1181	mg/Nm3	0.3
3	Oxides of Nitrogen (NOX)	USEPA 7E: 1990/By Flue Gas Analyzer	210	mg/Nm3	0.2
4	Carbon Monoxide (CO)	USEPA 10: 1996/By Flue Gas Analyzer	5.6	mg/Nm3	0.1
5	CO2	USPA 3A:1989	12.4	%	0.1
6	O2 .	USPA 3A:1989	6.9	%	0.1
7	Mercury (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ0.01)	μg/Nm3	0.01

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

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

End of the Report

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Testing Laboratory

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TEST REPORT

	Report No.	SPL/EN/24-25/00251/B	Date	30/07/2024
1.	Name & address of Customer	KEPCO Plant Service & Engineering C Talwandi Sabo Power Ltd., 3X660MW T Power Plant, Banawala, Mansa District	hermal	
2.	Reference No.	, Your TRF Dated: 22/07/2024 (Reg. No	. 98750)	e.
3.	Material Identification with details	Boiler Stack: Date and Time of Sampling Location: Boiler Stack-2 (First Unit) Unit-	g: 18/07/2024 (12: -2, Qty. 1 No.	10 pm to 12:35 pm),
4.	Sample code	98750		
5.	Date of sampling	18/07/2024		
6.	Date of Sample testing	22/07/2024 To 30/07/2024		
7.	Sampling duration (in minutes)	25 Min.		1
8.	Sampling Location	Boiler Stack-2 (First Unit) Unit-2		
9.	Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)		
10.	Type of stack	MS Circular		
11.	Stack attached to	Boiler Stack	30	
12.	Stack Diameter (in meters)	7.2 Mtr.	10.	
13.	Stack height (in meters)	275 Mtr.		
14.	Type and quantity of fuel used	Coal		
15.	Instrument Code & Calibration S	Status ISSPL/INS/C/134		
_	Control Measures if any	-		
16.	Control Measures II ally			
16. 17.	Ambient Temperature (oC)	42°C		

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chem	ical Testing:-			0.000.000	Detection Emile
1. A	Atmospheric Pollution:-				
1 Ve	locity of Gas	CPCB Emission	26.2	m/s	Not Specified

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TEST REPORT

	Report No.	ISSPL/EN/24-25/00250/B		Date	30/07/2024
S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
1		Regulation(Part -3)			1
2.	Temperature	CPCB Emission Regulation(Part -3)	119	°C	5
3.	Moisture	USEPA 4	14.0	%	1

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

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

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TEST REPORT

	Report No.	SPL/EN/24-25/00252/A		Date	30/07/2024		
1.	Name & address of Customer	KEPCO Plant Service & Engir Talwandi Sabo Power Ltd., 3X6 Power Plant, Banawala, Mansa	660MW Thermal				
2.	Reference No.	Your TRF Dated: 22/07/2024 (Reg. No. 98748)					
3.	Material Identification with details	Boiler Stack: Date and Time of Location: Boiler Stack-3 (Second	Boiler Stack: Date and Time of Sampling: 18/07/2024 (12:45 pm to 01:11 pm). Location: Boiler Stack-3 (Second Unit) Unit-3, Qty. 1 No.				
4.	Sample code	98748	,				
5.	Date of sampling	18/07/2024					
6.	Date of Sample testing	esting 22/07/2024 To 30/07/2024					
7.	Sampling duration (in minutes)	26 Min.	26 Min.				
8.	Sampling Location	Boiler Stack-3 (Second Unit) Ur	nit-3				
9.	Sampling Protocol	IS:11255 (Pt-1) 1985 (RA 2014)					
10.	Type of stack	MS Circular					
11.	Stack attached to	Boiler Stack		(iii			
12.	Stack Diameter (in meters)	· 7.2 Mtr.					
13.	Stack height (in meters)	· 275 Mtr.					
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)	42°C					
18.	Flue Gas Temperature (oC)	128°C					

RESULTS

S.No.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chemi	ical Testing:-				
1. A	Atmospheric Pollution:-				1
1 Pa	rticulate Matter (PM)	IS 11255 (Part 1) 1985, RA:	38.6	mg/Nm3	1

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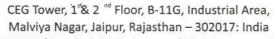
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TEST REPORT

Report No.		ISSPL/EN/24-25/00252/A		- Date	30/07/2024
S.No.	Test Parameters	Test Method	Results	Units	Specifications
1		2019			Ì
2	Sulphur dioxide (SO2)	USEPA 6C: 1996/By Flue Gas Analyzer	1178	mg/Nm3	0.3
3	Oxides of Nitrogen (NOX)	USEPA 7E: 1990/By Flue Gas Analyzer	215	mg/Nm3	0.2
4	Carbon Monoxide (CO)	USEPA 10: 1996/By Flue Gas Analyzer	5	mg/Nm3	0.1
5	CO2	USEPA 3A:1989	11.5	%	0.1
6	O2	USEPA 3A:1989	6.6	%	0.1
7	Mercury (Hg)	USEPA 29:1996/101A:1991	BLQ(LOQ:0.01)	µg/Nm3	0.01

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

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

End of the Report

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TEST REPORT

	Report No. ISSE	PL/EN/24-25/00252/B	Date	30/07/2024
1.	Name & address of Customer	KEPCO Plant Service & Engineering C Talwandi Sabo Power Ltd., 3X660MW Th Power Plant, Banawala, Mansa District P	nermal	55,6112,024
2.	Reference No.	Your TRF Dated: 22/07/2024 (Reg.No. 98	3748)	
3.	Material Identification with details	Boiler Stack: Date and Time of Sampling: Location: Boiler Stack-3 (Second Unit) Un	18/07/2024 (12: nit-3, Qty. 1 No.	45 pm to 01:11 pm),
4.	Sample code	98748		
5.	Date of sampling	18/07/2024		
6.	Date of Sample testing	22/07/2024 To 30/07/2024		
7.	Sampling duration (in minutes)	26 Min.		
8.	Sampling Location	Boiler Stack-3 (Second Unit) Unit-3		
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 Mtr.	X.	
13.	Stack height (in meters)	275 Mtr.	*	
14.	Type and quantity of fuel used	Coal		
15.	Instrument Code & Calibration Stat	tus ISSPL/INS/C/134		
16.	Control Measures if any			
17.	Ambient Temperature (oC)	42°C		

RESULTS

S.No.			- 10		
5.NO.	Test Parameters	Test Method	Results	Units	Detection Limit
3I. Chen	nical Testing:-			516	Detection Limit
1.	Atmospheric Pollution:-				
1 Ve	elocity of Gas	CPCB Emission	25.8	m/s	6
		Tri oz zimesien	23.8	m	/S

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TEST REPORT

	Report No.	ISSPL/EN/24-25/00252/B		Dat	e 30/07/2024
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	13.8	%	1

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

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

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