



## TEST REPORT

ULR No. : TC1181824000002159F		Test Report No. : NSTL110324NA055	
Type of Sample : Emission Stack- Boiler			
Name & Address of Customer	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	Work Order No. & Date	WA23Y-00006 Dt:05.05.2023
		Customer reference No. (If any)	NA
		Date of Sampling	06/03/2024
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	11/03/2024
Mode of Collection of Sample	Mr. Prabhjot (Eco Rep.)	Period of Analysis	11/03/2024 To 15/03/2024
Source of Emission	Boiler No.2 (First Unit; Unit-2)660MW	Date of Reporting	15/03/2024
Stack Description	Single, Circular & Metal	Fuel Used	Coal
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP followed by fabric filter
Standard/Specification	Emission Stack- Boiler: EPA 1986		
Testing Location	On Site & Permanenet Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Stack Emission)

S.No.	Test Parameters	Unit	Result	Detection Limit	Test Method
1	Particulate Matter at 6% O2 Corr.	mg/Nm3	37	5	IS 11255 (Part 1)
2	Sulphur Dioxide at 6% O2 Corr.	mg/Nm3	1205	5	EL/SOP/FGA/01
3	Mercury as Hg	mg/Nm3	BDL	0.01	USEPA Method 29
4	Carbon Monoxide as CO	mg/Nm3	4.1	5	EL/SOP/FGA/01
5	Carbon Dioxide as CO2	%	10.5	1	EL/SOP/FGA/01
6	Oxides of Nitrogen as NOX at 6% O2 Corr.	mg/Nm3	180	5	EL/SOP/FGA/01
7	Oxygen as O2	%	6.6	1	EL/SOP/FGA/01
8	Temperature	°C	125	5	IS 11255 (Part 3)
9	Flue Gas Velocity	m/s	25.9	3	IS 11255 (Part 3)
10	Moisture	%	13.1	1	IS 11255 (Part 3)

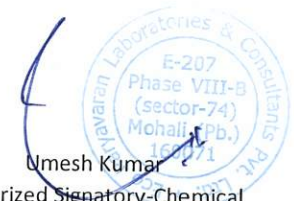
Remarks : NA

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



Authorized Signatory-Chemical

## TEST REPORT



ULR No. : TC1181824000002160F		Test Report No. : NSTL110324NA056	
Type of Sample : Emission Stack- Boiler			
Name & Address of Customer	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	Work Order No. & Date	WA23Y-00006 Dt:05.05.2023
		Customer reference No. (If any)	NA
		Date of Sampling	06/03/2024
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	11/03/2024
Mode of Collection of Sample	Mr. Prabhjot (Eco Rep.)	Period of Analysis	11/03/2024 To 15/03/2024
Source of Emission	Boiler No.3 (Second Unit; Unit-3)660MW	Date of Reporting	15/03/2024
Stack Description	Single, Circular & Metal	Fuel Used	Coal
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP followed by fabric filter
Standard/Specification	Emission Stack- Boiler: EPA 1986		
Testing Location	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Stack Emission)

S.No.	Test Parameters	Unit	Result	Detection Limit	Test Method
1	Particulate Matter at 6% O2 Corr.	mg/Nm <sup>3</sup>	43	5	IS 11255 (Part 1)
2	Sulphur Dioxide at 6% O2 Corr.	mg/Nm <sup>3</sup>	1226	5	EL/SOP/FGA/01
3	Mercury as Hg	mg/Nm <sup>3</sup>	BDL	0.01	USEPA Method 29
4	Carbon Monoxide as CO	mg/Nm <sup>3</sup>	4.3	5	EL/SOP/FGA/01
5	Carbon Dioxide as CO <sub>2</sub>	%	10.9	1	EL/SOP/FGA/01
6	Oxides of Nitrogen as NOX at 6% O2 Corr.	mg/Nm <sup>3</sup>	186	5	EL/SOP/FGA/01
7	Oxygen as O <sub>2</sub>	%	6.3	1	EL/SOP/FGA/01
8	Temperature	°C	120	5	IS 11255 (Part 3)
9	Flue Gas Velocity	m/s	26.0	3	IS 11255 (Part 3)
10	Moisture	%	13.3	1	IS 11255 (Part 3)

Remarks : NA

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



Umesh Kumar

Authorized Signatory-Chemical

## TEST REPORT



ULR No. : TC1181824000002161F		Test Report No. : NSTL110324NA057	
Type of Sample : Emission Stack- Boiler			
Name & Address of Customer	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	Work Order No. & Date	WA23Y-00006 Dt:05.05.2023
		Customer reference No. (If any)	NA
		Date of Sampling	06/03/2024
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	11/03/2024
Mode of Collection of Sample	Mr. Prabhjot (Eco Rep.)	Period of Analysis	11/03/2024 To 15/03/2024
Source of Emission	Boiler No.1 (Third Unit; Unit-1)660MW	Date of Reporting	15/03/2024
Stack Description	Single, Circular & Metal	Fuel Used	Coal
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP followed by fabric filter
Standard/Specification	Emission Stack- Boiler: EPA 1986		
Testing Location	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Stack Emission)

S.No.	Test Parameters	Unit	Result	Detection Limit	Test Method
1	Particulate Matter at 6% O2 Corr.	mg/Nm3	40	5	IS 11255 (Part 1)
2	Sulphur Dioxide at 6% O2 Corr.	mg/Nm3	1168	5	EL/SOP/FGA/01
3	Mercury as Hg	mg/Nm3	BDL	0.01	USEPA Method 29
4	Carbon Monoxide as CO	mg/Nm3	4.2	5	EL/SOP/FGA/01
5	Carbon Dioxide as CO2	%	10.6	1	EL/SOP/FGA/01
6	Oxides of Nitrogen as NOX at 6% O2 Corr.	mg/Nm3	177	5	EL/SOP/FGA/01
7	Oxygen as O2	%	6.5	1	EL/SOP/FGA/01
8	Temperature	°C	124	5	IS 11255 (Part 3)
9	Flue Gas Velocity	m/s	25.8	3	IS 11255 (Part 3)
10	Moisture	%	13.2	1	IS 11255 (Part 3)

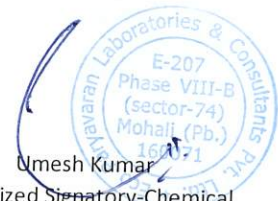
Remarks : NA

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



Authorized Signatory-Chemical



## TEST REPORT

<b>ULR No. :</b> TC118182400002290F		<b>Test Report No. :</b> NAIL140324NA001	
<b>Type of Sample :</b> Ambient Air		<b>Date of Reporting :</b> 16/03/2024	
<b>Customer</b>	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	<b>Work Order No. &amp; Date</b>	WA23Y-00006 DT:05.05.2023
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS 5182, EL-MSP-7.3	<b>Mode of Collection of Sample</b>	Mr. Prabhjot (Eco Rep.)
<b>Date of Sampling</b>	12/03/2024 To 13/03/2024	<b>Date of Receipt of Sample</b>	14/03/2024
<b>Sampling Location</b>	Vill Chehlanwali	<b>Period of Analysis</b>	14/03/2024 To 16/03/2024
<b>Standard/ Specification</b>	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	<b>Environmental Conditions</b>	Partially cloudy weather
<b>Testing Location</b>	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	89	100	5	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	49	60	5	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	15	80	5	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	33	80	7	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	17	400	5	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	28	180	5	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.76	4	0.1	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL	1.0	0.04	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL	6	4	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL	20	4	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL	1	0.3	IS 5182 (Part 12)

Remarks : NA

#### OTHER INFORMATION

**Abbreviation :** ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

**Terms & Conditions :** Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

Umesh Kumar  
Authorized Signatory-Chemical

## TEST REPORT

ULR No. : NA		Test Report No. : NAIL140324NA001/A	
Type of Sample : Ambient Air		Date of Reporting : 16/03/2024	
Customer	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	Work Order No. & Date	WA23Y-00006 DT:05.05.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Mr. Prabhjot (Eco Rep.)
Date of Sampling	12/03/2024 To 13/03/2024	Date of Receipt of Sample	14/03/2024
Sampling Location	Vill Chehlanwali	Period of Analysis	14/03/2024 To 16/03/2024
Standard/ Specification	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Conditions	Partially cloudy weather
Testing Location	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Benzene	µg/m <sup>3</sup>	BDL	5	5	IS 5182 (Part 11)

Remarks : This report is the part of Test Report No. NAIL140324NA001.

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



## TEST REPORT

ULR No. : TC1181824000002291F		Test Report No. : NAIL140324NA002	
Type of Sample : Ambient Air		Date of Reporting : 16/03/2024	
Customer	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	Work Order No. & Date	WA23Y-00006 DT:05.05.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Mr. Prabhjot (Eco Rep.)
Date of Sampling	12/03/2024 To 13/03/2024	Date of Receipt of Sample	14/03/2024
Sampling Location	Station No.1	Period of Analysis	14/03/2024 To 16/03/2024
Standard/ Specification	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Conditions	Partially cloudy weather
Testing Location	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	82	100	5	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	50	60	5	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	12	80	5	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	28	80	7	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	19	400	5	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	27	180	5	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.72	4	0.1	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL	1.0	0.04	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL	6	4	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL	20	4	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL	1	0.3	IS 5182 (Part 12)

Remarks : NA

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

Umesh Kumar  
Authorized Signatory-Chemical

## TEST REPORT

<b>ULR No. :</b> NA		<b>Test Report No. :</b> NAIL140324NA002/A	
<b>Type of Sample :</b> Ambient Air		<b>Date of Reporting :</b> 16/03/2024	
<b>Customer</b>	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	<b>Work Order No. &amp; Date</b>	WA23Y-00006 DT:05.05.2023
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS 5182, EL-MSP-7.3	<b>Mode of Collection of Sample</b>	Mr. Prabhjot (Eco Rep.)
<b>Date of Sampling</b>	12/03/2024 To 13/03/2024	<b>Date of Receipt of Sample</b>	14/03/2024
<b>Sampling Location</b>	Station No.1	<b>Period of Analysis</b>	14/03/2024 To 16/03/2024
<b>Standard/ Specification</b>	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	<b>Environmental Conditions</b>	Partially cloudy weather
<b>Testing Location</b>	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Benzene	µg/m <sup>3</sup>	BDL	5	5	IS 5182 (Part 11)

**Remarks :** This report is the part of Test Report No. NAIL140324NA002.

#### OTHER INFORMATION

**Abbreviation :** ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

**Terms & Conditions :** Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



## TEST REPORT

ULR No. : TC1181824000002292F		Test Report No. : NAIL140324NA003	
Type of Sample : Ambient Air		Date of Reporting : 16/03/2024	
Customer	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	Work Order No. & Date	WA23Y-00006 DT:05.05.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Mr. Prabhjot (Eco Rep.)
Date of Sampling	12/03/2024 To 13/03/2024	Date of Receipt of Sample	14/03/2024
Sampling Location	Station No.2	Period of Analysis	14/03/2024 To 16/03/2024
Standard/ Specification	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Conditions	Partially cloudy weather
Testing Location	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m <sup>3</sup>	79	100	5	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m <sup>3</sup>	48	60	5	IS 5182 (Part 24)
3	Sulphur Dioxide as SO <sub>2</sub>	µg/m <sup>3</sup>	13	80	5	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m <sup>3</sup>	27	80	7	IS 5182 (Part 6)
5	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	18	400	5	IS 5182 (Part 25)
6	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	26	180	5	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m <sup>3</sup>	0.60	4	0.1	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m <sup>3</sup>	BDL	1.0	0.04	USEPA Method IO-3.4
9	Arsenic as As	ng/m <sup>3</sup>	BDL	6	4	USEPA Method IO-3.4
10	Nickel as Ni	ng/m <sup>3</sup>	BDL	20	4	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m <sup>3</sup>	BDL	1	0.3	IS 5182 (Part 12)

Remarks : NA

#### OTHER INFORMATION

#### Abbreviation :


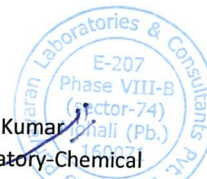
ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

#### Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

Umesh Kumar  
Authorized Signatory-Chemical

Ambient Air - EL-FMT-7.8.2 -AA

**ECO BHAWAN**

E-207, Industrial Area, Phase VIII-B (Sector-74), Mohali (Punjab) 160071



## TEST REPORT

<b>ULR No. :</b> NA		<b>Test Report No. :</b> NAIL140324NA003/A	
<b>Type of Sample :</b> Ambient Air		<b>Date of Reporting :</b> 16/03/2024	
<b>Customer</b>	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	<b>Work Order No. &amp; Date</b>	WA23Y-00006 DT:05.05.2023
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS 5182, EL-MSP-7.3	<b>Mode of Collection of Sample</b>	Mr. Prabhjot (Eco Rep.)
<b>Date of Sampling</b>	12/03/2024 To 13/03/2024	<b>Date of Receipt of Sample</b>	14/03/2024
<b>Sampling Location</b>	Station No.2	<b>Period of Analysis</b>	14/03/2024 To 16/03/2024
<b>Standard/ Specification</b>	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	<b>Environmental Conditions</b>	Partially cloudy weather
<b>Testing Location</b>	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Benzene	µg/m <sup>3</sup>	BDL	5	5	IS 5182 (Part 11)

Remarks : This report is the part of Test Report No. NAIL140324NA003.

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



## TEST REPORT

<b>ULR No. :</b> TC1181824000002293F		<b>Test Report No. :</b> NAIL140324NA004	
<b>Type of Sample :</b> Ambient Air		<b>Date of Reporting :</b> 16/03/2024	
<b>Customer</b>	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	<b>Work Order No. &amp; Date</b>	WA23Y-00006 DT:05.05.2023
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS 5182, EL-MSP-7.3	<b>Mode of Collection of Sample</b>	Mr. Prabhjot (Eco Rep.)
<b>Date of Sampling</b>	12/03/2024 To 13/03/2024	<b>Date of Receipt of Sample</b>	14/03/2024
<b>Sampling Location</b>	Station No.3	<b>Period of Analysis</b>	14/03/2024 To 16/03/2024
<b>Standard/ Specification</b>	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	<b>Environmental Conditions</b>	Partially cloudy weather
<b>Testing Location</b>	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m <sup>3</sup>	77	100	5	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m <sup>3</sup>	47	60	5	IS 5182 (Part 24)
3	Sulphur Dioxide as SO <sub>2</sub>	µg/m <sup>3</sup>	11	80	5	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m <sup>3</sup>	25	80	7	IS 5182 (Part 6)
5	Ammonia as NH <sub>3</sub>	µg/m <sup>3</sup>	16	400	5	IS 5182 (Part 25)
6	Ozone as O <sub>3</sub>	µg/m <sup>3</sup>	25	180	5	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m <sup>3</sup>	0.64	4	0.1	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m <sup>3</sup>	BDL	1.0	0.04	USEPA Method IO-3.4
9	Arsenic as As	ng/m <sup>3</sup>	BDL	6	4	USEPA Method IO-3.4
10	Nickel as Ni	ng/m <sup>3</sup>	BDL	20	4	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m <sup>3</sup>	BDL	1	0.3	IS 5182 (Part 12)

Remarks : NA

#### OTHER INFORMATION

**Abbreviation :** ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

**Terms & Conditions :** Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

Umesh Kumar  
Authorized Signatory-Chemical

## TEST REPORT

ULR No. : NA		Test Report No. : NAIL140324NA004/A	
Type of Sample : Ambient Air		Date of Reporting : 16/03/2024	
Customer	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	Work Order No. & Date	WA23Y-00006 DT:05.05.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Mr. Prabhjot (Eco Rep.)
Date of Sampling	12/03/2024 To 13/03/2024	Date of Receipt of Sample	14/03/2024
Sampling Location	Station No.3	Period of Analysis	14/03/2024 To 16/03/2024
Standard/ Specification	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Conditions	Partially cloudy weather
Testing Location	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Benzene	µg/m <sup>3</sup>	BDL	5	5	IS 5182 (Part 11)

Remarks : This report is the part of Test Report No. NAIL140324NA004.

#### OTHER INFORMATION

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Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*



## TEST REPORT

<b>ULR No. :</b> TC118182400002294F		<b>Test Report No. :</b> NAIL140324NA005	
<b>Type of Sample :</b> Ambient Air		<b>Date of Reporting :</b> 16/03/2024	
<b>Customer</b>	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	<b>Work Order No. &amp; Date</b>	WA23Y-00006 DT:05.05.2023
		<b>Customer reference No. (If any)</b>	NA
<b>Sampling Protocol</b>	IS 5182, EL-MSP-7.3	<b>Mode of Collection of Sample</b>	Mr. Prabhjot (Eco Rep.)
<b>Date of Sampling</b>	12/03/2024 To 13/03/2024	<b>Date of Receipt of Sample</b>	14/03/2024
<b>Sampling Location</b>	Station No.4	<b>Period of Analysis</b>	14/03/2024 To 16/03/2024
<b>Standard/ Specification</b>	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	<b>Environmental Conditions</b>	Partially cloudy weather
<b>Testing Location</b>	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Respirable Suspended Particulate Matter as PM10	µg/m3	85	100	5	IS 5182 (Part 23)
2	Particulate Matter as PM2.5	µg/m3	46	60	5	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	10	80	5	IS 5182 (Part 2)
4	Oxides of Nitrogen	µg/m3	30	80	7	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	20	400	5	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	27	180	5	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.80	4	0.1	IS 5182 (Part 10) NDIR method
8	Lead as Pb	µg/m3	BDL	1.0	0.04	USEPA Method IO-3.4
9	Arsenic as As	ng/m3	BDL	6	4	USEPA Method IO-3.4
10	Nickel as Ni	ng/m3	BDL	20	4	USEPA Method IO-3.4
11	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL	1	0.3	IS 5182 (Part 12)

Remarks : NA

#### OTHER INFORMATION

#### Abbreviation :

ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

#### Terms & Conditions :

Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*

Umesh Kumar  
Authorized Signatory-Chemical

## TEST REPORT

ULR No. : NA		Test Report No. : NAIL140324NA005/A	
Type of Sample : Ambient Air		Date of Reporting : 16/03/2024	
Customer	Talwandi Sabo Power Limited 3X660 MW, Thermal Power Plant, Mansa Talwandi Sabo Road Village Banawala, Distt. Mansa Punjab	Work Order No. & Date	WA23Y-00006 DT:05.05.2023
		Customer reference No. (If any)	NA
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Mr. Prabhjot (Eco Rep.)
Date of Sampling	12/03/2024 To 13/03/2024	Date of Receipt of Sample	14/03/2024
Sampling Location	Station No.4	Period of Analysis	14/03/2024 To 16/03/2024
Standard/ Specification	National Ambient Air Quality: G.S.R.No.B-29016/20/19/PCI-L dated 18 Nov, 2009	Environmental Conditions	Partially cloudy weather
Testing Location	On Site & Permanent Facility		

## RESULTS

### I. Chemical Testing

#### 1. Atmospheric Pollution (Ambient Air)

S.No.	Test Parameter	Unit	Result	Standard	Detection Limit	Test Method
1	Benzene	µg/m <sup>3</sup>	BDL	5	5	IS 5182 (Part 11)

Remarks : This report is the part of Test Report No. NAIL140324NA005.

#### OTHER INFORMATION

Abbreviation : ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions : Please refer terms and conditions on backside of Test Report (Page-1)

\*\*End of Report\*\*