



Eco Paryavaran Laboratories & Consultants Pvt. Ltd.

TEST REPORT



ULR No : NA		Test Report No : NSEL160226NA154	
Type of Sample # : Stack Emission		Reference No : 5100044398 Dt.: 18/11/2025	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	12/02/2026 - 12/02/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	16/02/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	16/02/2026 - 25/02/2026
Source of Emission	Boiler Stack (Unit- 1; Third Unit) 660 MW	Date of reporting	25/02/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal+ Biomass
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP Followed with Fabric Filter
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

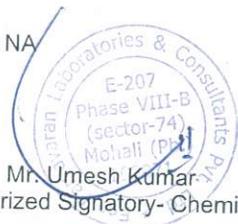
RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	40	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1052	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	169	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	26.6	IS 11255 : Part 3
6	Moisture	%	13.8	IS 11255 : Part 3
7	Temperature	°C	125	IS 11255 : Part 3
8	Oxygen as O2	%	6.5	EL-QTM-08
9	Carbon dioxide as CO2	%	10.5	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08

Remarks : NA



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TEST REPORT



ULR No : NA

Test Report No : NSEL160226NA154

Type of Sample # : Stack Emission

End of Report

OTHER INFORMATION

Abbreviation & Symbol : # Information provided by customer. ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
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6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.



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TEST REPORT



ULR No : NA		Test Report No : NSEL160226NA155	
Type of Sample # : Stack Emission			
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	12/02/2026 - 12/02/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	16/02/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	16/02/2026 - 25/02/2026
Source of Emission	Boiler Stack (Unit- 2; First Unit) 660 MW	Date of reporting	25/02/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal+ Biomass
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP Followed with Fabric Filter
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

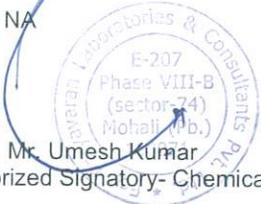
RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	38	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1085	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	173	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	25.6	IS 11255 : Part 3
6	Moisture	%	14	IS 11255 : Part 3
7	Temperature	°C	128	IS 11255 : Part 3
8	Oxygen as O2	%	6.3	EL-QTM-08
9	Carbon dioxide as CO2	%	10.8	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08

Remarks : NA


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TEST REPORT



ULR No : NA

Test Report No : NSEL160226NA155

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TEST REPORT



ULR No : NA		Test Report No : NSEL160226NA156	
Type of Sample # : Stack Emission			
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer Name #	Power Mech Projects Limited.		
Customer Address #	Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.	Period of Sampling	12/02/2026 - 12/02/2026
Sampling Protocol	IS 11255, CPCB: LATS/80/2013-14	Date of Sample Receipt	16/02/2026
Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh	Period of Analysis	16/02/2026 - 25/02/2026
Source of Emission	Boiler Stack (Unit- 3; Second Unit) 660 MW	Date of reporting	25/02/2026
Stack Description	Single, Circular & Metal	Fuel Used	Coal+ Biomass
Point of Sample Collection	From Port Hole after APCD	APCD Details (If provided)	ESP Followed with Fabric Filter
Standard/Specifications	Thermal Power Plant : EPA 1986, Sr. No. 25		
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Stack Emission)

Sr.No	Test Parameter	Unit	Result	Test Method
1	Particulate Matter (at 6% O2 Corr.)	mg/Nm3	42	IS 11255 (Part-1)
2	Sulphur dioxide as SO2 (at 6% O2 Corr.)	mg/Nm3	1031	EL-QTM-08
3	Oxides of Nitrogen (at 6% O2 Corr.)	mg/Nm3	166	EL-QTM-08
4	Mercury	mg/Nm3	BDL (0.01)	USEPA Method 29
5	Flue gas velocity	m/s	25.7	IS 11255 : Part 3
6	Moisture	%	14.2	IS 11255 : Part 3
7	Temperature	°C	132	IS 11255 : Part 3
8	Oxygen as O2	%	6.4	EL-QTM-08
9	Carbon dioxide as CO2	%	10.6	EL-QTM-08
10	Carbon Monoxide as CO	mg/Nm3	BDL (5)	EL-QTM-08



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TEST REPORT



ULR No : NA

Test Report No : NSEL160226NA156

Type of Sample # : Stack Emission

Remarks : NA

End of Report

OTHER INFORMATION

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TEST REPORT



ULR No : NA		Test Report No : NAAL160226NA129	
Type of Sample # : Ambient Air		Date of reporting : 25/02/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh
Period of Sampling	12/02/2026 - 13/02/2026	Date of Receipt of Sample	16/02/2026
Sampling Location	Station No.1	Period of Analysis	16/02/2026 - 25/02/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m3	85	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m3	49	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO2	µg/m3	27	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO2)	µg/m3	35	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH3	µg/m3	22	400(max.)	IS 5182 (Part 25)
6	Ozone as O3	µg/m3	26	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m3	0.83	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead (Pb)	µg/m3	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5
9	Arsenic (As)	ng/m3	BDL (4)	6(max.)	USEPA Method IO-3.5
10	Nickel as Ni	ng/m3	BDL (4)	20(max.)	USEPA Method IO-3.5
11	Benzene as C6H6	µg/m3	BDL (2)	5(max.)	IS 5182 (Part 11)
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m3	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA



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TEST REPORT



ULR No : NA

Test Report No : NAAL160226NA129

Type of Sample # : Ambient Air

Date of reporting : 25/02/2026

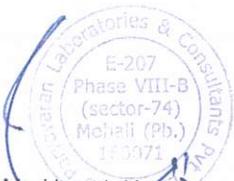
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TEST REPORT



ULR No : NA		Test Report No : NAAL160226NA130	
Type of Sample # : Ambient Air		Date of reporting : 25/02/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh
Period of Sampling	12/02/2026 - 13/02/2026	Date of Receipt of Sample	16/02/2026
Sampling Location	Station No.2	Period of Analysis	16/02/2026 - 25/02/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
Testing Location	On Site & Permanent Facility		

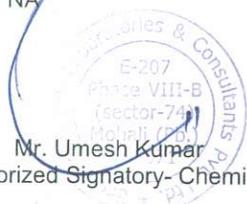
RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m ³	89	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	52	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	26	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	28	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH ₃	µg/m ³	20	400(max.)	IS 5182 (Part 25)
6	Ozone as O ₃	µg/m ³	27	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m ³	0.74	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead (Pb)	µg/m ³	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5
9	Arsenic (As)	ng/m ³	BDL (4)	6(max.)	USEPA Method IO-3.5
10	Nickel as Ni	ng/m ³	BDL (4)	20(max.)	USEPA Method IO-3.5
11	Benzene as C ₆ H ₆	µg/m ³	BDL (2)	5(max.)	IS 5182 (Part 11)
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m ³	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA


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TEST REPORT



ULR No : NA

Test Report No : NAAL160226NA130

Type of Sample # : Ambient Air

Date of reporting : 25/02/2026

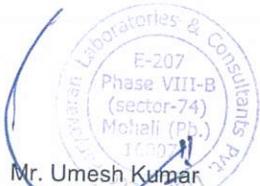
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Authorized Signatory- Chemical

TEST REPORT



ULR No : NA		Test Report No : NAAL160226NA131	
Type of Sample # : Ambient Air		Date of reporting : 25/02/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh
Period of Sampling	12/02/2026 - 13/02/2026	Date of Receipt of Sample	16/02/2026
Sampling Location	Station No.3	Period of Analysis	16/02/2026 - 25/02/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
Testing Location	On Site & Permanent Facility		

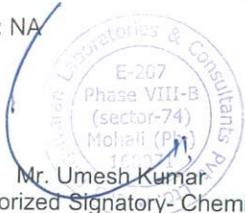
RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m ³	91	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	53	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	28	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	30	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH ₃	µg/m ³	21	400(max.)	IS 5182 (Part 25)
6	Ozone as O ₃	µg/m ³	26	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m ³	0.79	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead (Pb)	µg/m ³	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5
9	Arsenic (As)	ng/m ³	BDL (4)	6(max.)	USEPA Method IO-3.5
10	Nickel as Ni	ng/m ³	BDL (4)	20(max.)	USEPA Method IO-3.5
11	Benzene as C ₆ H ₆	µg/m ³	BDL (2)	5(max.)	IS 5182 (Part 11)
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m ³	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA



Mr. Umesh Kumar
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TEST REPORT



ULR No : NA

Test Report No : NAAL160226NA131

Type of Sample # : Ambient Air

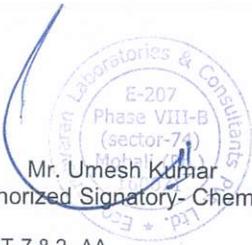
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TEST REPORT



ULR No : NA		Test Report No : NAAL160226NA132	
Type of Sample # : Ambient Air		Date of reporting : 25/02/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh
Period of Sampling	12/02/2026 - 13/02/2026	Date of Receipt of Sample	16/02/2026
Sampling Location	Station No.4	Period of Analysis	16/02/2026 - 25/02/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
Testing Location	On Site & Permanent Facility		

RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m ³	86	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	50	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	27	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	29	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH ₃	µg/m ³	20	400(max.)	IS 5182 (Part 25)
6	Ozone as O ₃	µg/m ³	29	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m ³	0.76	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead (Pb)	µg/m ³	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5
9	Arsenic (As)	ng/m ³	BDL (4)	6(max.)	USEPA Method IO-3.5
10	Nickel as Ni	ng/m ³	BDL (4)	20(max.)	USEPA Method IO-3.5
11	Benzene as C ₆ H ₆	µg/m ³	BDL (2)	5(max.)	IS 5182 (Part 11)
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m ³	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA



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TEST REPORT



TC-11818

ULR No : NA

Test Report No : NAAL160226NA132

Type of Sample # : Ambient Air

Date of reporting : 25/02/2026

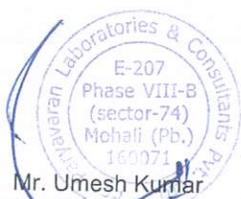
End of Report

OTHER INFORMATION

Abbreviation & Symbol : # Information provided by customer. ULR: Unique Lab Report, BDL: Below Detection Level, NA: Not Applicable

Terms & Conditions :

1. The results relate only to the items tested.
2. Giving opinions does not imply endorsement of the tested product by laboratory. Under no circumstances, laboratory accepts any liability caused by use or misuse of Test Report.
3. The Test Report shall not be reproduced except in full or part or used as advertisement or evidence in court of law without written approval of the laboratory. Samples drawn under special circumstances like legal cases, the customer must declare the same at the time of submission.
4. Complaint log book is with Quality Cell. Contact No. (M) 91 8872 04 3135, Phone 91 172 4616 225 Email: quality@ecoparyavaran.org
5. The samples tested may be preserved for a period but not exceeding 7 days from date of reporting, unless otherwise specifically desired by the customer or regulatory authorities. However, depending upon the nature of samples and effect of preservation the test results of preserved samples may vary. Laboratory also does not assume any responsibility in the test results of samples kept on hold for want of clarification.
6. All disputes are subjected to jurisdiction of Mohali (Punjab) India and maximum liability of the laboratory does not exceed the testing and sampling charges.
7. In case where sample is provided by the customer, the reported results shall apply to the sample as received.



Mr. Umesh Kumar
Authorized Signatory- Chemical

TEST REPORT



ULR No : NA		Test Report No : NAAL160226NA133	
Type of Sample # : Ambient Air		Date of reporting : 25/02/2026	
Reference Type : Work Order No		Reference No : 5100044398 Dt.: 18/11/2025	
Customer #	Power Mech Projects Limited., Talwandi Sabo Power Ltd. 3x660MW Thermal Power Plant, Banawala, District Mansa, Punjab- 151302.		
Sampling Protocol	IS 5182, EL-MSP-7.3	Mode of Collection of Sample	Sample collected by Laboratory Mr. Prabhjot Singh
Period of Sampling	12/02/2026 - 13/02/2026	Date of Receipt of Sample	16/02/2026
Sampling Location	Village- Chehlanwali	Period of Analysis	16/02/2026 - 25/02/2026
Standard/Specifications	National Ambient Air Quality: G.S.R.No.B-29016/20/90/PCI-L dated 18 Nov, 2009	Environmental Condition	Clear Sky
Testing Location	On Site & Permanent Facility		

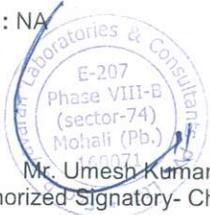
RESULTS

1. Chemical Testing

I. Atmospheric Pollution (Ambient Air)

Sr.No	Test Parameter	Unit	Result	Standard	Test Method
1	Respirable Suspended Particulate Matter (PM10)	µg/m ³	92	100(max.)	IS 5182 (Part 23)
2	Particulate Matter (PM2.5)	µg/m ³	53	60(max.)	IS 5182 (Part 24)
3	Sulphur Dioxide as SO ₂	µg/m ³	BDL (25)	80(max.)	IS 5182 (Part 2)
4	Nitrogen Dioxide (NO ₂)	µg/m ³	28	80(max.)	IS 5182 (Part 6)
5	Ammonia as NH ₃	µg/m ³	23	400(max.)	IS 5182 (Part 25)
6	Ozone as O ₃	µg/m ³	25	180(max.)	IS 5182 (Part 9)
7	Carbon Monoxide as CO	mg/m ³	0.72	4(max.)	IS 5182 (Part 10) NDIR method
8	Lead (Pb)	µg/m ³	BDL (0.004)	1.0(max.)	USEPA Method IO-3.5
9	Arsenic (As)	ng/m ³	BDL (4)	6(max.)	USEPA Method IO-3.5
10	Nickel as Ni	ng/m ³	BDL (4)	20(max.)	USEPA Method IO-3.5
11	Benzene as C ₆ H ₆	µg/m ³	BDL (2)	5(max.)	IS 5182 (Part 11)
12	Benzo Pyrene (BaP), Particulate Phase Only	ng/m ³	BDL (0.3)	1(max.)	IS 5182 (Part 12)

Remarks : NA



EL-FMT-7.8.2 -AA

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TEST REPORT



ULR No : NA

Test Report No : NAAL160226NA133

Type of Sample # : Ambient Air

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End of Report

OTHER INFORMATION

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