

Advanced Environmental Testing And Research Lab P. Ltd.



CIN : U73100MP2002PTC015352

Approved : by Ministry of Environment, Forest and Climate Change (MOEF&CC)

Regional office: BMS Business Center, 10 PVR Plaza, Complexes, Connaught Circus,
New Delhi-110 001, India

Ph.: 011-4151 3601, 3606 Fax : 011 - 23310093

Registered office: 63/1 Kailash Vihar, Near Income Tax Office, City Center -II
Gwalior-474 011 M.P., India

Ph.: 0751 - 223 2177, 409 9916

Email. aelgwalior@gmail.com, aetrl2016@gmail.com, www.aetrl.com



NABL
17025 · 2005
TC-7405



OHSAS
18001 : 2007

TEST CERTIFICATE: CHEMICAL LAB

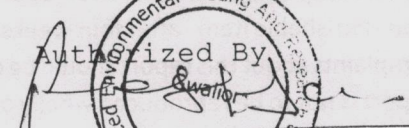
TEST REPORT

ULR: TC7405-19-0-00000258P TR No. AETRL2019TR1658 DISPATCH No. D2019TR0570

Date of Report Issue	28/01/2019
Booking No and date	AETRL20190574/23/01/2019
Sample Registration No.	AETRL2019/CHEM/ST/1386
Issue to	M/s. AMITY UNIVERSITY
Address	OPP. POTATO RESEARCH CENTRE, MAHARAJPURA, GWALIOR MP

SAMPLE DETAILS

Type of Stack	DG STACK-1 (S1D1)
Type of Fuel	HSD FUEL
Monitoring date	23/01/2019
Capacity	250 KVA
Ampere generated (Only for DG)	240 A
Stack height from ground level	6.1 METER (Approx)
Monitoring Platform height from ground level	5.5 METER (Approx)
Inside Diameter of Stack at sampling point	0.21 METER
Stack Top	CIRCULAR
Method Used for sampling	IS:11255
Method Used for testing	IS METHOD
Monitored by	SAMPLING STAFF

Authorized By

Advanced Environmental Testing And Research Lab P. Ltd. ★

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18001 : 2007

OTHER DATA

Ambient temperature (°C)	17.0
Flue gas temperature (°C)	142.0
Barometric pressure (mm Hg)	772.8
Stack gas pressure (mm Hg)	773.7
Velocity of flue gas (m/sec)	24.8

RESULTS OF SAMPLE ANALYSIS

ULR: TC7405-19-0-00000258P TR No. AETRL2019TR1658 REPORT ISSUE ON : 28/01/2019
SAMPLE DESCRIPTION DG STACK-1 250 KVA (S1D1)

S.No.	PARAMETERS	UNIT	TEST RESULTS	SPECIFICATION As per CPCB	METHODS
1.	Particulate Matter	g/Kw-hr	0.23	0.3	IS:11255 (Part-1):1985
2.	Oxides of Nitrogen*as No _x	g/Kw-hr	1.66	9.2	IS:11255 (Part-7):2005
3.	Carbon mono oxide*as CO	g/Kw-hr	2.18	3.5	IS:13270:1999
4.	Sulphur di-oxide	g/Kw-hr	6.81	-	IS:11255 (Part-2):1985
5.	Hydro Carbon* as HC	g/Kw-hr	0.11	1.3	IS: 5182 (Part-21):2001

xxxxxxx **END OF REPORT** xxxxxxxx

Prepared By

Chemist/Sr.
Chemist

Authorized By

Dy. Manager
(Technical)

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TEST CERTIFICATE: CHEMICAL LAB

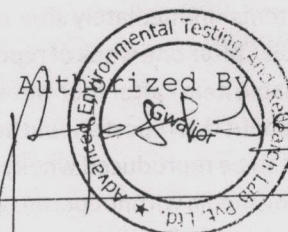
TEST REPORT

ULR: TC7405-19-0-00000259P TR No. AETRL2019TR1659 DISPATCH No. D2019TR0570

Date of Report Issue	28/01/2019
Booking No and date	AETRL20190574/23/01/2019
Sample Registration No.	AETRL2019/CHEM/ST/1387
Issue to	M/s. AMITY UNIVERSITY
Address	OPP. POTATO RESEARCH CENTRE, MAHARAJPURA, GWALIOR MP

SAMPLE DETAILS

Type of Stack	DG STACK-2 (S1D2)
Type of Fuel	HSD FUEL
Monitoring date	23/01/2019
Capacity	750 KVA
Ampere generated (Only for DG)	780 A
Stack height from ground level	6.1 METER (Approx)
Monitoring Platform height from ground level	5.5 METER (Approx)
Inside Diameter of Stack at sampling point	0.31 METER
Stack Top	CIRCULAR
Method Used for sampling	IS:11255
Method Used for testing	IS METHOD
Monitored by	SAMPLING STAFF



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OHSAS
18001 : 2007

OTHER DATA

Ambient temperature (°C)	17.0
Flue gas temperature (°C)	168.0
Barometric pressure (mm Hg)	772.8
Stack gas pressure (mm Hg)	773.6
Velocity of flue gas (m/sec)	28.1

RESULTS OF SAMPLE ANALYSIS

ULR: TC7405-19-0-00000259P TR No. AETRL2019TR1659

REPORT ISSUE ON : 28/01/2019

SAMPLE DESCRIPTION

DG STACK-2 750 KVA (S1D2)

S.No.	PARAMETERS	UNIT	TEST RESULTS	SPECIFICATION As per CPCB	METHODS
1.	Particulate Matter	g/Kw-hr	0.18	0.3	IS:11255 (Part-1):1985
2.	Oxides of Nitrogen*as No _x	g/Kw-hr	3.04	9.2	IS:11255 (Part-7):2005
3.	Carbon mono oxide*as CO	g/Kw-hr	1.16	3.5	IS:13270:1999
4.	Sulphur di-oxide	g/Kw-hr	4.99	-	IS:11255 (Part-2):1985
5.	Hydro Carbon* as HC	g/Kw-hr	0.16	1.3	IS: 5182 (Part-21):2001

*****END OF REPORT*****

Prepared By

Chemist/Sr.
Chemist

Authorized By

Dy. Manager
(Technical)

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TEST CERTIFICATE: CHEMICAL LAB

TEST REPORT

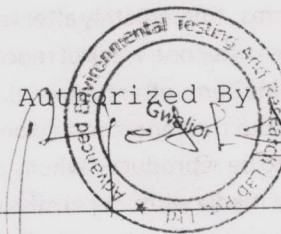
ULR: TC7405-19-0-00000260P TR No. AETRL2019TR1660 DISPATCH No. D2019TR0570

Date of Report Issue	28/01/2019
Booking No and date	AETRL20190574/23/01/2019
Sample Registration No.	AETRL2019/CHEM/ST/1388
Issue to	M/s. AMITY UNIVERSITY
Address	OPP. POTATO RESEARCH CENTRE, MAHARAJPURA, GWALIOR MP

SAMPLE DETAILS

Type of Stack	DG STACK-3 (S1D3)
Type of Fuel	HSD FUEL
Monitoring date	23/01/2019
Capacity	750 KVA
Ampere generated (Only for DG)	730 A
Stack height from ground level	6.1 METER (Approx)
Monitoring Platform height from ground level	5.5 METER (Approx)
Inside Diameter of Stack at sampling point	0.31 METER
Stack Top	CIRCULAR
Method Used for sampling	IS:11255
Method Used for testing	IS METHOD
Monitored by	SAMPLING STAFF

Authorized By



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TC-7405



OHSAS
18001 : 2007

OTHER DATA

Ambient temperature (°C)	17.0
Flue gas temperature (°C)	172.0
Barometric pressure (mm Hg)	772.8
Stack gas pressure (mm Hg)	773.4
Velocity of flue gas (m/sec)	26.5

RESULTS OF SAMPLE ANALYSIS

ULR: TC7405-19-0-00000260P TR No. AETRL2019TR1660
SAMPLE DESCRIPTION

REPORT ISSUE ON : 28/01/2019
DG STACK-3 750 KVA (S1D3)

S.No.	PARAMETERS	UNIT	TEST RESULTS	SPECIFICATION As per CPCB	METHODS
1.	Particulate Matter	g/Kw-hr	0.14	0.3	IS:11255 (Part-1):1985
2.	Oxides of Nitrogen*as No _x	g/Kw-hr	2.19	9.2	IS:11255 (Part-7):2005
3.	Carbon mono oxide*as CO	g/Kw-hr	1.04	3.5	IS:13270:1999
4.	Sulphur di-oxide	g/Kw-hr	5.13	-	IS:11255 (Part-2):1985
5.	Hydro Carbon* as HC	g/Kw-hr	0.17	1.3	IS: 5182 (Part-21):2001

xxxxxxxEND OF REPORTxxxxxxx

Prepared By

Chemist/Sr.
Chemist

Authorized By

Dy. Manager
(Technical)

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18001 : 2007

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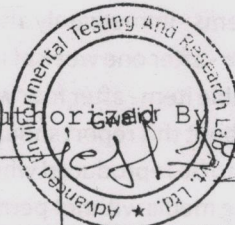
TEST REPORT

ULR: TC7405-19-0-00000262P TR No. AETRL2019TR1662 DISPATCH No. D2019TR0570

Date of Report Issue	28/01/2019
Booking No and date	AETRL20190574/23/01/2019
Sample Registration No.	AETRL2019/CHEM/ST/1390
Issue to	M/s. AMITY UNIVERSITY
Address	OPP. POTATO RESEARCH CENTRE, MAHARAJPURA, GWALIOR MP

SAMPLE DETAILS

Type of Stack	DG STACK-5 (S1D5)
Type of Fuel	HSD FUEL
Monitoring date	23/01/2019
Capacity	750 KVA
Ampere generated (Only for DG)	680 A
Stack height from ground level	6.1 METER (Approx)
Monitoring Platform height from ground level	5.5 METER (Approx)
Inside Diameter of Stack at sampling point	0.31 METER
Stack Top	CIRCULAR
Method Used for sampling	IS:11255
Method Used for testing	IS METHOD
Monitored by	SAMPLING STAFF



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TC-7405



OHSAS
18001 : 2007

OTHER DATA

Ambient temperature (°C)	17.0
Flue gas temperature (°C)	176.0
Barometric pressure (mm Hg)	772.8
Stack gas pressure (mm Hg)	773.7
Velocity of flue gas (m/sec)	26.9

RESULTS OF SAMPLE ANALYSIS

ULR: TC7405-19-0-00000262P TR No. AETRL2019TR1662
SAMPLE DESCRIPTION

REPORT ISSUE ON : 28/01/2019
DG STACK-5 750 KVA (S1D5)

S.No.	PARAMETERS	UNIT	TEST RESULTS	SPECIFICATION As per CPCB	METHODS
1.	Particulate Matter	g/Kw-hr	0.20	0.3	IS:11255 (Part-1):1985
2.	Oxides of Nitrogen*as No _x	g/Kw-hr	2.66	9.2	IS:11255 (Part-7):2005
3.	Carbon mono oxide*as CO	g/Kw-hr	1.18	3.5	IS:13270:1999
4.	Sulphur di-oxide	g/Kw-hr	3.99	-	IS:11255 (Part-2):1985
5.	Hydro Carbon* as HC	g/Kw-hr	0.108	1.3	IS: 5182 (Part-21):2001

*****END OF REPORT*****

Prepared By

Bhaskar
Chemist/Sr.
Chemist

Authorized By

W. W. W.
Dy. Manager
(Technical)

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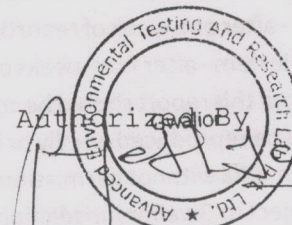
TEST REPORT

ULR: TC7405-19-0-00000261P TR No. AETRL2019TR1661 DISPATCH No. D2019TR0570

Date of Report Issue	28/01/2019
Booking No and date	AETRL20190574/23/01/2019
Sample Registration No.	AETRL2019/CHEM/ST/1389
Issue to	M/s. AMITY UNIVERSITY
Address	OPP. POTATO RESEARCH CENTRE, MAHARAJPURA, GWALIOR MP

SAMPLE DETAILS

Type of Stack	DG STACK-4 (S1D4)
Type of Fuel	HSD FUEL
Monitoring date	23/01/2019
Capacity	750 KVA
Ampere generated (Only for DG)	728 A
Stack height from ground level	6.1 METER (Approx)
Monitoring Platform height from ground level	5.5 METER (Approx)
Inside Diameter of Stack at sampling point	0.31 METER
Stack Top	CIRCULAR
Method Used for sampling	IS:11255
Method Used for testing	IS METHOD
Monitored by	SAMPLING STAFF



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NABL
17025 : 2005
TC-7405



OHSAS
18001 : 2007

OTHER DATA

Ambient temperature (°C)	17.0
Flue gas temperature (°C)	160.8
Barometric pressure (mm Hg)	772.8
Stack gas pressure (mm Hg)	773.6
Velocity of flue gas (m/sec)	27.1

RESULTS OF SAMPLE ANALYSIS

ULR: TC7405-19-0-00000261P TR No. AETRL2019TR1661

REPORT ISSUE ON : 28/01/2019

SAMPLE DESCRIPTION

DG STACK-4 750 KVA (S1D4)

S.No.	PARAMETERS	UNIT	TEST RESULTS	SPECIFICATION As per CPCB	METHODS
1.	Particulate Matter	g/Kw-hr	0.16	0.3	IS:11255 (Part-1):1985
2.	Oxides of Nitrogen* as No _x	g/Kw-hr	3.31	9.2	IS:11255 (Part-7):2005
3.	Carbon mono oxide* as CO	g/Kw-hr	1.12	3.5	IS:13270:1999
4.	Sulphur di-oxide	g/Kw-hr	4.09	-	IS:11255 (Part-2):1985
5.	Hydro Carbon* as HC	g/Kw-hr	0.29	1.3	IS: 5182 (Part-21):2001

*****END OF REPORT*****

Prepared By

Chemist/Sr.
Chemist

Authorized By

Dy. Manager
(Technical)