

TEST REPORT

Page 1 of 1

STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002339-F	Report Date :	29.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-248-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no), Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36°C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 82.5 KVA - Stamford (Cummins) (SI No:G12D150107)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		



S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.15	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January, 1 : 2015	°C	36	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June, 24 : 2021	g/kW-hr	0.55	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	112	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	10.3	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m³/Hr	526	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL-SOP-SKT-12	g/kW-hr	0.11	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.11	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm³	8.4	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of TNPCB tolerance limits.

<-- End of Report -->

Report Verified by  Technical Personnel	For EXCELLENCE LABORATORY  Authorized Signatory
--	--

R.REVATHI
 Technical Manager

R.S.DINAKARAN
 Quality Manager

- Disclaimer :**
1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
 2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
 3. When the information supplied by the customer and can affect the validity of the results.
 4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
 5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
 6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
 7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
 8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
 9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
 10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
 11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT

Page 1 of 1

STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002340-F	Report Date :	29.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-249-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no),Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36 °C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 380 KVA – Stamford (Cummins)(SINo:N121393714)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		

S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.20	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January, 1 : 2015	°C	37	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June, 24 : 2021	g/kW-hr	0.33	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	142	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	19.3	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m³/Hr	1630	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL-SOP-SKT-12	g/kW-hr	0.05	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.07	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm³	5.5	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of TNPCB tolerance limits.

<-- End of Report -->

Report Verified by  Technical Personnel	For EXCELLENCE LABORATORY  Authorized Signatory
--	--

R.REVATHI
 Technical Manager

R.S.DINAKARAN
 Quality Manager

Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT
STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002341-F	Report Date :	29.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-250-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no), Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36°C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 180 KVA – Kirloskar (SI No:FS3M008 F47856)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		

S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.15	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January,1 : 2015	°C	36	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June,24: 2021	g/kW-hr	0.23	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	115	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	11.5	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m ³ /Hr	582	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL- SOP-SKT-12	g/kW-hr	0.04	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.07	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm ³	6.5	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of **TNPCB** tolerance limits.

<-- End of Report -->

Report Verified by

R.Revathi
 Technical Personnel

For EXCELLENCE LABORATORY

Authorized Signatory

R.REVATHI
 Technical Manager

R.S.DINAKARAN
 Quality Manager



Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT

Page 1 of 1

STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002342-F	Report Date :	29.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-251-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no),Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36 C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 180 KVA – Stamford (Cummins) (SI No:N09G08212)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		

S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.15	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January,1 : 2015	°C	36	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June,24: 2021	g/kW-hr	0.14	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	95	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	5.6	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m³/Hr	299	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL-SOP-SKT-12	g/kW-hr	0.03	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.06	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm³	9.7	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of **TNPCB** tolerance limits.

<-- End of Report -->

Report Verified by


 Technical Personnel

For EXCELLENCE LABORATORY


 Authorized Signatory

R.REVATHI
 Technical Manager

R.S.DINAKARAN
 Quality Manager

Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT

Page 1 of 1

STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002343-F	Report Date :	29.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-252-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no),Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36°C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 160 KVA – Kirloskar (SI No:BFAG0717)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		



S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.2	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January, 1 : 2015	°C	36	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June, 24 : 2021	g/kW-hr	0.28	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	64	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	4.8	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m³/Hr	498	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL- SOP-SKT-12	g/kW-hr	0.07	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.07	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm³	11.3	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of **TNPCB** tolerance limits.

<-- End of Report -->

Report Verified by  Technical Personnel	For EXCELLENCE LABORATORY  Authorized Signatory
--	--

R.REVATHI
 Technical Manager

R.S.DINAKARAN
 Quality Manager

Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT

Page 1 of 1

STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002344-F	Report Date :	29.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-253-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no), Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36°C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 180 KVA - Stamford (Cummins) (SI No:N11E187913)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		

S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.2	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January,1 : 2015	°C	37	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June,24: 2021	g/kW-hr	0.39	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	98	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	9.3	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m ³ /Hr	878	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL-SOP-SKT-12	g/kW-hr	0.08	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.16	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm ³	9.1	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of **TNPCB** tolerance limits.

<-- End of Report -->

Report Verified by  Technical Personnel	For EXCELLENCE LABORATORY  Authorized Signatory
--	--

R.REVATHI
 Technical Manager

R.S.DINAKARAN
 Quality Manager

Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT

Page 1 of 1

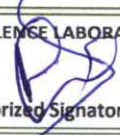
STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002345-F	Report Date :	29.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-254-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no), Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36°C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 250 KVA - Stamford (Cummins) (SI No:N121527288)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		

S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.2	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January,1 : 2015	°C	36	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June,24: 2021	g/kW-hr	0.19	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	77	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	6.5	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m³/Hr	649	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL-SOP-SKT-12	g/kW-hr	0.06	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.05	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm³	12.6	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of TNPCB tolerance limits.

<-- End of Report -->

Report Verified by  Technical Personnel	For EXCELLENCE LABORATORY  Authorized Signatory
--	--

R.REVATHI
 Technical Manager

R.S.DINAKARAN
 Quality Manager

Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT

Page 1 of 1

STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002346-F	Report Date :	29.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-255-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no),Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36°C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 250 KVA - Kirloskar (SI No:607699)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		

S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.2	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January,1 : 2015	°C	36	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June,24: 2021	g/kW-hr	0.20	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	95	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	5.2	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m³/Hr	494	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL-SOP-SKT-12	g/kW-hr	0.05	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.07	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm³	13.4	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of **TNPCB** tolerance limits.

<-- End of Report -->

Report Verified by

Technical Personnel

R.REVATHI
 Technical Manager

For EXCELLENCE LABORATORY

Authorized Signatory

R.S.DINAKARAN
 Quality Manager

Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT

Page 1 of 1

STACK EMISSION (< 800 KW) MONITORING

Report / ULR No :	TC13674-24-0-00002347-F	Report Date :	27.07.2024
Customer Name & Address :	M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390		
Sample Description :	Stack Emission (< 800 KW)	Sample Reference No :	EL-NL-SE-256-07-2024
Sample Drawn By :	Laboratory	Sample Collected Date :	26.07.2024
Sampling Time :	30 minutes	Sample Received on :	26.07.2024
Qty of Sample Received :	Thimble(1 no),Approx 50 ml Solution(1 no)	Test Commenced on :	27.07.2024
Sample Condition on Receipt :	Good	Test Completed on :	27.07.2024
Sampling Environment Condition :	Temperature:36°C	Sampling Method / Plan :	IS 11255
Sample Mark :	DG 250 KVA – Kirloskar (SI No:4506216)		
Instruments Used for Sampling :	SM Kit (ID No: EL-IT-F35) with calibration validity due on 09.11.2024		

S. No	Name of the Test	Test Method	Units	Results	Max. Permissible TNPCB Norms for 75 to 800 KVA
Chemical Testing					
1	A Stack Diameter	By Customer	m	0.2	NA
2	Ambient Temperature	SOP No.EL-SOP-ARS-15 Issue No.01 January,1 : 2015	°C	36	NA
3	Carbon Monoxide (as CO)	SOP No.EL-SOP-SKT-12 Issue No.01 June,24: 2021	g/kW-hr	0.14	3.5
4	Flue Gas Temperature	Clause No.6 of IS 11255 (Part 3) : 2008	°C	58	NA
5	Flue Gas Velocity	Clause No.5 of IS 11255 (Part 3) : 2008	m/s	4.3	NA
6	Gaseous Flow Discharge	Clause No.10 of IS 11255 (Part 3) : 2008	m ³ /Hr	454	NA
7	Oxides of Nitrogen (as NO ₂)+ Hydrocarbon (as CH ₄)	IS 11255 (Part 7) : 2005 & SOP No.EL-SOP-SKT-12	g/kW-hr	0.02	4.0
8	Particulate Matter (PM)	IS : 11255 (Part 1) 1985	g/kW-hr	0.05	0.2
9	Sulphur Dioxide (as SO ₂)	IS 11255 (Part 2) : 1985	mg/Nm ³	7.6	NA

Statement of Conformity: The concentrations of the parameters tested in the above Stack Emission are within the prescribed limits of TNPCB tolerance limits.

<-- End of Report -->

Report Verified by

Technical Personnel

R.REVATHI
 Technical Manager

For EXCELLENCE LABORATORY

Authorized Signatory

R.S.DINAKARAN
 Quality Manager

Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252



TEST REPORT

AMBIENT NOISE LEVEL MONITORING

Report / URL No :		TC13674-24-0-00002355-F	Report Date :		29.07.2024		
Customer Name & Address :		M/S. Kalasalingam Academy of Research and Education Anand Nagar, Srivilliputtur (Via), Krishnan Koil, Virudhunagar - 626126. Ph : 9944797390					
Sample Description :		DG Noise	Sample Reference No :		EL-NL-AN-91-07-2024		
Monitoring by :		Laboratory	Monitoring Date :		26.07.2024		
Sampling Time :		Day Time (6.00 a.m - 10.00 p.m)	Data Received on :		27.07.2024		
Sampling Environmental Condition :		Temperature:32.0°C					
Sampling Method / Plan :		IS 9989 : 1981					
Instruments Used for Sampling :		S in 1 - EL-IT-F28 with calibration validity due on 02.12.2024					
S. No	Name of the Locations	Monitoring Distance in M	Monitoring Time	Minimum dB(A)	Maximum dB(A)	L Equivalent dB(A)	Loss of Insertion Noise
1	DG 380 KVA - Stamford (Cummins) (SI No.N 121393704) Door Open Running Conditions	Site	10.00AM-11.00AM	90.3	91.0	90.8	25.6
2	DG 380 KVA - Stamford (Cummins) (SI No.N 121393704) Door Closed Running Conditions	Site	10.00AM-11.00AM	65.1	65.4	65.2	
3	DG 160 KVA - Kriloskar (SI No.BEAG 0717) Door Open Running Conditions	Site	10.00AM-11.00AM	86.2	87.5	86.9	25.8
4	DG 160 KVA - Kriloskar (SI No.BEAG 0717) Door Closed Running Conditions	Site	10.00AM-11.00AM	60.5	61.8	61.1	
5	DG 250 KVA - Stamford (Cummins) (SI No.N 121527288) Door Open Running Conditions	Site	11.00AM-12.00PM	93.2	95.6	94.0	25.3
6	DG 250 KVA - Stamford (Cummins) (SI No.N 121527288) Door Closed Running Conditions	Site	11.00AM-12.00PM	67.7	70.1	68.7	
7	DG 250 KVA - Kriloskar (SI No.607699) Door Open Running Conditions	Site	11.00AM-12.00PM	84.5	86.2	85.0	25.2
8	DG 250 KVA - Kriloskar (SI No.607699) Door Closed Running Conditions	Site	11.00AM-12.00PM	59.2	60.9	59.8	
9	DG 180 KVA - Stamford (Cummins) (SI No.NHE 187913) Door Open Running Conditions	Site	11.00AM-12.00PM	89.3	90.9	89.4	25.2
10	DG 180 KVA - Stamford (Cummins) (SI No.NHE 187913) Door Closed Running Conditions	Site	11.00AM-12.00PM	63.9	65.5	64.2	



Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise specified in the report.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252

TEST REPORT

Page 2 of 2

Report / URL No :TC13674-24-0-00002355-F

11	DG 250 KVA - Kriloskar (SI No.4506216) Door Open Running Conditions	Site	12.00PM-01.00PM	83.6	85.1	84.3	25.3
12	DG 250 KVA - Kriloskar (SI No.4506216) Door Closed Running Conditions	Site	12.00PM-01.00PM	58.3	59.8	59.0	
13	DG 180 KVA - Stamford (Cummins) (SI No.N09G08212) Door Open Running Conditions	Site	12.00PM-01.00PM	87.3	89.6	88.5	25.5
14	DG 180 KVA - Stamford (Cummins) (SI No.N09G08212) Door Closed Running Conditions	Site	12.00PM-01.00PM	62.2	64.5	63.7	
15	DG 82.5 KVA - Stamford (Cummins) (SI No.G12D150107) Door Open Running Conditions	Site	12.00PM-01.00PM	84.7	85.7	85.0	25.8
16	DG 82.5 KVA - Stamford (Cummins) (SI No.G12D150107) Door Closed Running Conditions	Site	12.00PM-01.00PM	58.7	60.0	59.2	
17	DG 180 KVA - Kriloskar (SI No.FS3M008F47856) Door Open Running Conditions	Site	12.00PM-01.00PM	85.4	86.8	85.9	25.1
18	DG 180 KVA - Kriloskar (SI No.FS3M008F47856) Door Closed Running Conditions	Site	12.00PM-01.00PM	60.1	61.5	60.8	

Permissible Limit for Loss of Insertion Noise as per the CPCB Norms

Minimum 25.0

<-- End of Report -->

Report Verified by

Technical Personnel

For EXCELLENCE LABORATORY

Authorized Signatory

R.REVATHI
 Technical Manager

R.S.DINAKARAN
 Quality Manager

Disclaimer :

1. This test report shall not be reproduce in full or part without the written approval of the Laboratory.
2. The test results relate only to the test item tested and results apply to the sample "as received conditions".
3. When the information supplied by the customer and can affect the validity of the results.
4. The laboratory is not responsible for information provided by customer and it does not come under the scope of accreditation.
5. No additions, deviations or exclusions from the above test methods mentioned unless or otherwise specified in the report.
6. This test results does not account the MU value in the statement of conformity unless or otherwise requested by customer.
7. This test item will not be retained more than 10 days from date of issue of test reports, unless or otherwise requested by customer.
8. Total liability of our laboratory is limited to the invoice amount and any dispute arising out of this report is subject to Madurai Jurisdiction only.
9. This report cannot be used as evidence in the court of law and should not be used in any advertising media without our special permission in writing.
10. Sample is not drawn by laboratory unless stated in the report, if the sample drawn by the customer, the laboratory is not responsible for sampling stage.
11. (#) Mark indicates the tests are subcontracted to other accredited laboratory.



F.No: EL-GL-02

Excellence Laboratory

No.23/93, Fifth Street, Ram Nagar, S.S. Colony, Madurai - 625 016. ☎ 0452-4506252