



Enviro Care[®]
INDIA PRIVATE LIMITED

ISO 9001 : 2008 Certified Company
ISO 14001 : 2004 Certified Company
OHSAS : 18001 : 2007 Certified Company

Accredited by **NABL** (Chemical & Biological)

Recognized by BIS as per IS : 14543 : 2016

TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-214/05/2020	Report Date :	30.05.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 27/05/2020	Sample Reference No :	ECI-NN-SM-214/05/2020
Sample Drawn By :	ECI	Sample Received On :	28.05.2020
Sample Collected Date :	27.05.2020	Test Commenced On :	28.05.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	30.05.2020
Sample Description :	Slack	Sampling Method :	IS : 11255-P1
Sample Mark:	Fiber Mill Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max. Permissible TNPCC norms for General Emission Standards
1	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4	Flow rate	Nm ³ /hr	2847	IS 11255:Part 03	NA
5	Flue Gas velocity	m/sec	8.5	IS 11255:Part 03	NA
6	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7	Particulate Matter (PM)	mg/Nm ³	1.7	IS 11255:Part 01	2.0
8	Port hole Height from G Level	m	5.0	---	NA
9	Stack Diameter at port hole	m	0.35	---	NA
10	Stack Height from G Level	m	26.0	---	NA
11	Stack Temperature	°C	34	IS 11255:Part 03	NA
12	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *N. C. Sathya*

Remarks : ---

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)



[Signature]
Authorized Signatory

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STACK MONITORING

Report No :	ECI-NN-SM-213/05/2020	Report Date :	30.05.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 27/05/2020	Sample Reference No :	ECI-NN-SM-213/05/2020
Sample Drawn By :	ECI	Sample Received On :	28.05.2020
Sample Collected Date :	27.05.2020	Test Commenced On :	28.05.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	30.05.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Cement Fly Storage - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max Permissible INPCB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2805	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.3	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	16.5	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	23.5	---	NA
11.	Stack Temperature	°C	33	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *M. Cartilage*

Remarks : --

For **ENVIRO CARE INDIA PRIVATE LIMITED**
(Laboratory Division)

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TEST REPORT

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STACK MONITORING

Report No :	ECI-NN-SM-215/05/2020	Report Date :	30.05.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No: 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 27/05/2020	Sample Reference No :	ECI-NN-SM-215/05/2020
Sample Drawn By :	ECI	Sample Received On :	28.05.2020
Sample Collected Date :	27.05.2020	Test Commenced On :	28.05.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	30.05.2020
Sample Description :	Slack	Sampling Method :	IS : 11255: P1
Sample Mark:	DG 750 KVA - Silencer(Diesel)		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max. Permissible TNPGB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255: Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	0.6	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	0.6	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	1890	IS 11255: Part 03	NA
5.	Flue Gas velocity	m/sec	9.4	IS 11255: Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	38.8	IS 11255: Part 07 & IS 5182 : Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	48.3	IS 11255: Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.30	---	NA
10.	Stack Height from G Level	m	15.0	---	NA
11.	Stack Temperature	°C	103	IS 11255: Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	18.2	IS 11255: Part 02	NA

<--- End of Report --->

Verified By : *N. C. Sathya*

Remarks : -

For ENVIRO CARE INDIA PRIVATE LIMITED
 (Laboratory Division)

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TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-212/05/2020	Report Date :	30.05.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 27/05/2020	Sample Reference No :	ECI-NN-SM-212/05/2020
Sample Drawn By :	ECI	Sample Received On :	28.05.2020
Sample Collected Date :	27.05.2020	Test Commenced On :	28.05.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	30.05.2020
Sample Description :	Stack	Sampling Method :	IS : 11255:P1
Sample Mark:	Pulverizer Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max. Permissible TNPGB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	3583	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.2	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.4	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	6.0	---	NA
9.	Stack Diameter at port hole	m	0.40	---	NA
10.	Stack Height from G Level	m	9.0	---	NA
11.	Stack Temperature	°C	36	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *W. Cartwright*

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)



[Signature]
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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-238/05/2020	Report Date :	30.05.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcol Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 27/05/2020	Sample Reference No :	ECI-NN-AAQ-238/05/2020
Sample Drawn By :	ECI	Sample Received On :	28.05.2020
Sample Collected Date :	27.05.2020	Test Commenced On :	28.05.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	30.05.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Asbestos Godown		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of HAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	5.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	19.2	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	36.6	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	70.4	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

<--- End of Report --->

Verified By : *M. Catharine*

Remarks : --



For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)

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Report No :	ECI-NN-AAQ-239/05/2020	Report Date :	30.05.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 27/05/2020	Sample Reference No :	ECI-NN-AAQ-239/05/2020
Sample Drawn By :	ECI	Sample Received On :	28.05.2020
Sample Collected Date :	27.05.2020	Test Commenced On :	28.05.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	30.05.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Guest House		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	15.8	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	28.4	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	54.6	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

<--- End of Report --->

Verified By : *rv. satheesh*

Remarks : --



For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)

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TEST REPORT
AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-236/05/2020	Report Date :	30.05.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 27/05/2020	Sample Reference No :	ECI-NN-AAQ-236/05/2020
Sample Drawn By :	ECI	Sample Received On :	28.05.2020
Sample Collected Date :	27.05.2020	Test Commenced On :	28.05.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	30.05.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182.P14
Sample Mark:	Near Stack Yard		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQS (Industrial Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	25.6	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	28.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	29.3	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

<--- End of Report --->

 Verified By : *[Signature]*

Remarks : --

 For **ENVIRO CARE INDIA PRIVATE LIMITED**
 (Laboratory Division)

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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-237/05/2020	Report Date :	30.05.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No.12A, Sipcol Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 27/05/2020	Sample Reference No :	ECI-NN-AAQ-237/05/2020
Sample Drawn By :	ECI	Sample Received On :	28.05.2020
Sample Collected Date :	27.05.2020	Test Commenced On :	28.05.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	30.05.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Main Gate		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	29.6	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	56.6	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	90.8	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.2	IS 5182:Part 02	80

<--- End of Report --->

Verified By : *h. Sathya*

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam
Date: 10/07/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of MAY-20.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc)
1	11.05.2020	ASBESTOS STORAGE GODOWN	S	1000	240	10	0.022
2	08.05.2020	BAG OPENING DEVICE / ERM	P	1000	240	9	0.020
3	09.05.2020	SLURRY MIXER	S	1000	240	13	0.029
4	10.05.2020	SHEETING MACHINE	P	1000	240	11	0.024
5	11.05.2020	CORRUGATOR	P	1000	240	11	0.024
6	12.05.2020	MOULDING AREA	P	1000	240	10	0.022
7	14.05.2020	LABORATORY	P	1000	240	10	0.022
8	15.05.2020	LOADING AREA	S	1000	240	9	0.020
9	17.05.2020	NEAT MAIN GATE(OUT SIDE)	S	1000	240	10	0.022
10	18.05.2020	SEGGREGATION	P	1000	240	12	0.026
11	19.05.2020	SALVAGE	S	1000	240	9	0.020
12	22.05.2020	PULVERIZER	P	1000	240	10	0.022

Remarks:-

*P- Personal

*S- Static

Un able to process

Hand copy of report along with sample boxes will be sent through courier

[Signature]
SENIOR QUALITY MANAGER

RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam

Date: 10/07/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of MAY '20.

Ref.No	Date of sampling	Location	Sampling status	Duration in minutes	Volume of Air in CC/Min	No of Fibres	Fibre Concentration (F/CC)
13	27.05.2020	Fiber De-Stack	.	10	10000	4.00	0.021
14	27.05.2020	Pulverizer De-Stack	.	10	10000	3.00	0.016

Remarks:-

*P- Personal

*S- Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

[Signature]

SENIOR QUALITY MANAGER

TEST REPORT

 Accredited by **NABL** (Chemical & Biological)

Recognized by BIS as per IS : 4543 : 2016

STACK MONITORING

Report No :	ECI-NN-SM-105/06/2020	Report Date :	18.06.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 15/06/2020	Sample Reference No :	ECI-NN-SM-105/06/2020
Sample Drawn By :	ECI	Sample Received On :	16.06.2020
Sample Collected Date :	15.06.2020	Test Commenced On :	16.06.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	18.06.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Fiber Mill Dust Collector - Chimney		

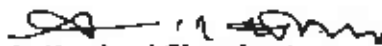
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max. Permissible TNPGB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2833	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.5	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	26.0	---	NA
11.	Stack Temperature	°C	37	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

 Verified By : 

Remarks : --

 For ENVIRO CARE INDIA PRIVATE LIMITED
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TEST REPORT

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STACK MONITORING

Report No :	ECI-NN-SM-104/06/2020	Report Date :	18.06.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 15/06/2020	Sample Reference No :	ECI-NN-SM-104/06/2020
Sample Drawn By :	ECI	Sample Received On :	16.06.2020
Sample Collected Date :	15.06.2020	Test Commenced On :	16.06.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	18.06.2020
Sample Description :	Slack	Sampling Method :	IS :11255:P1
Sample Mark:	Cement Fly Storage - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max Permissible TNPGB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2791	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.4	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	17.3	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	23.5	---	NA
11.	Stack Temperature	°C	36	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.6	IS 11255:Part 02	NA

<--- End of Report --->

Verified By:

Remarks : --

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TEST REPORT
STACK MONITORING

Report No :	ECI-NN-SM-102/06/2020	Report Date :	18.06.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO DI: 15/06/2020	Sample Reference No :	ECI-NN-SM-102/06/2020
Sample Drawn By :	ECI	Sample Received On :	16.06.2020
Sample Collected Date :	15.06.2020	Test Commenced On :	16.06.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	18.06.2020
Sample Description :	Slack	Sampling Method :	IS :11255:P1
Sample Mark:	DG 750 KVA - Silencer(Diesel)		

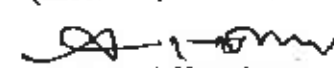
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	0.6	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	0.6	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	1799	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	9.2	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	39.2	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	44.9	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.30	---	NA
10.	Stack Height from G Level	m	15.0	---	NA
11.	Stack Temperature	°C	116	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	18.6	IS 11255:Part 02	NA

<--- End of Report --->

 Verified By : 

Remarks : --

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TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-103/06/2020	Report Date :	18.06.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO DI: 15/06/2020	Sample Reference No :	ECI-NN-SM-103/06/2020
Sample Drawn By :	ECI	Sample Received On :	16.06.2020
Sample Collected Date :	15.06.2020	Test Commenced On :	16.06.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	18.06.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Pulverizer Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	3773	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.6	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.6	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	6.0	---	NA
9.	Stack Diameter at port hole	m	0.40	---	NA
10.	Stack Height from G Level	m	9.0	---	NA
11.	Stack Temperature	°C	35	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-128/06/2020	Report Date :	18.06.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 15/06/2020	Sample Reference No :	ECI-NN-AAQ-128/06/2020
Sample Drawn By :	ECI	Sample Received On :	16.06.2020
Sample Collected Date :	15.06.2020	Test Commenced On :	18.06.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	18.06.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Stack Yard		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	24.6	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	29.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	54.4	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-128/06/2020	Report Date :	18.06.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No.12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 15/06/2020	Sample Reference No :	ECI-NN-AAQ-128/06/2020
Sample Drawn By :	ECI	Sample Received On :	16.06.2020
Sample Collected Date :	15.06.2020	Test Commenced On :	18.06.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	18.06.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Main Gate		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	30.6	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	49.6	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	92.8	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.5	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For **ENVIRO CARE INDIA PRIVATE LIMITED**
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TEST REPORT
AMBIENT AIR QUALITY SURVEY

Accredited by **NABL** (Chemical & Biological)
Recognized by BIS as per IS 1543 : 2016

Report No :	ECI-NN-AAQ-130/06/2020	Report Date :	18.06.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 15/06/2020	Sample Reference No :	ECI-NN-AAQ-130/06/2020
Sample Drawn By :	ECI	Sample Received On :	16.06.2020
Sample Collected Date :	15.06.2020	Test Commenced On :	18.06.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	18.06.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Asbestos Godown		

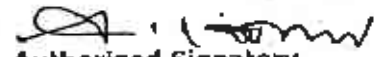
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	17.5	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.6	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	34.7	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	73.6	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

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TEST REPORT

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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-131/06/2020	Report Date :	18.06.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 15/06/2020	Sample Reference No :	ECI-NN-AAQ-131/06/2020
Sample Drawn By :	ECI	Sample Received On :	16.06.2020
Sample Collected Date :	15.06.2020	Test Commenced On :	18.06.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	18.06.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Guest House		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	13.6	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	27.4	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	56.8	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks : --

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RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam
Date: 10/07/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of JUNE-'20.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc)
1	02.06.2020	ASBESTOS STORAGE GODOWN	S	1000	240	18	0.040
2	05.06.2020	BAG OPENING DEVICE / ERM	P	1000	240	17	0.037
3	08.06.2020	SLURRY MIXER	S	1000	240	15	0.033
4	10.06.2020	SHEETING MACHINE	P	1000	240	12	0.026
5	12.06.2020	CORRUGATOR	P	1000	240	16	0.035
6	15.06.2020	MOULDING AREA	P	1000	240	12	0.026
7	18.06.2020	LABORATORY	P	1000	240	10	0.022
8	20.06.2020	LOADING AREA	S	1000	240	10	0.022
9	22.06.2020	NEAT MAIN GATE (OUT SIDE)	S	1000	240	16	0.035
10	25.06.2020	SEGREGATION	P	1000	240	10	0.022
11	28.06.2020	SALVAGE	S	1000	240	13	0.029
12	15.06.2020	PULVERIZER	P	1000	240	17	0.037

Remarks:-

*P- Personnel
*S- Static
Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR QUALITY MANAGER

RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam

Date: 10/07/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of JUNE-'20.

Ref.No	Date of sampling	Location	Sampling status	Duration in minutes	Volume of Air in CC/Min	No of Fibres	Fibre Concentration (F/CC)
13	15.08.2020	Fiber De-Stack	.	10	10000	7.00	0.037
14	12.08.2020	Pulverizer De-Stack	.	10	10000	4.00	0.021

Remarks:-

* P- Personal
* S- Static
Un able to process

Hard copy of report along with sample boxes will be sent through courier

Deviyany
SENIOR QUALITY MANAGER



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TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-71/07/2020	Report Date :	27.07.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcol Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO DL: 24/07/2020	Sample Reference No :	ECI-NN-SM-71/07/2020
Sample Drawn By :	ECI	Sample Received On :	25.07.2020
Sample Collected Date :	24.07.2020	Test Commenced On :	25.07.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	27.07.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Fiber Mill Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2931	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.4	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	26.0	---	NA
11.	Stack Temperature	°C	40	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

< --- End of Report --- >

Verified By :

Remarks : --

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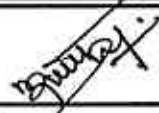
TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-70/07/2020	Report Date :	27.07.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 24/07/2020	Sample Reference No :	ECI-NN-SM-70/07/2020
Sample Drawn By :	ECI	Sample Received On :	25.07.2020
Sample Collected Date :	24.07.2020	Test Commenced On :	25.07.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	27.07.2020
Sample Description :	Slack	Sampling Method :	IS : 11255:P1
Sample Mark:	Cement Fly Storage - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2935	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.8	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	18.3	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	23.5	---	NA
11.	Stack Temperature	°C	40	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : 

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TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-68/07/2020	Report Date :	27.07.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 24/07/2020	Sample Reference No :	ECI-NN-SM-68/07/2020
Sample Drawn By :	ECI	Sample Received On :	25.07.2020
Sample Collected Date :	24.07.2020	Test Commenced On :	25.07.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	27.07.2020
Sample Description :	Slack	Sampling Method :	IS :11255:P1
Sample Mark:	DG 750 KVA - Silencer(Diesel)		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	0.6	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	0.6	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	1855	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	10.4	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	40.2	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	46.3	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.30	---	NA
10.	Stack Height from G Level	m	15.0	---	NA
11.	Stack Temperature	°C	122	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	19.3	IS 11255:Part 02	NA

<--- End of Report --->

Verified By :

Remarks : --

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TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-69/07/2020	Report Date :	27.07.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcol Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO DI: 24/07/2020	Sample Reference No :	ECI-NN-SM-69/07/2020
Sample Drawn By :	ECI	Sample Received On :	25.07.2020
Sample Collected Date :	24.07.2020	Test Commenced On :	25.07.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	27.07.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Pulverizer Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPGB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	3775	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	9.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.6	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	6.0	---	NA
9.	Stack Diameter at port hole	m	0.40	---	NA
10.	Stack Height from G Level	m	9.0	---	NA
11.	Stack Temperature	°C	36	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-72/07/2020	Report Date :	27.07.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No.12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO DI: 24/07/2020	Sample Reference No :	ECI-NN-AAQ-72/07/2020
Sample Drawn By :	ECI	Sample Received On :	25.07.2020
Sample Collected Date :	24.07.2020	Test Commenced On :	25.07.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	27.07.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Stack Yard		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible Limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	24.9	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	30.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	58.2	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks : --

For **ENVIRO CARE INDIA PRIVATE LIMITED**
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TEST REPORT

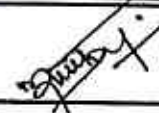
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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-73/07/2020	Report Date :	27.07.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 24/07/2020	Sample Reference No :	ECI-NN-AAQ-73/07/2020
Sample Drawn By :	ECI	Sample Received On :	25.07.2020
Sample Collected Date :	24.07.2020	Test Commenced On :	25.07.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	27.07.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Main Gate		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	30.6	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	51.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	95.3	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	8.2	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For **ENVIRO CARE INDIA PRIVATE LIMITED**
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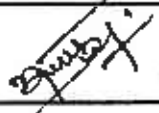


TEST REPORT
AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-74/07/2020	Report Date :	27.07.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 24/07/2020	Sample Reference No :	ECI-NN-AAQ-74/07/2020
Sample Drawn By :	ECI	Sample Received On :	25.07.2020
Sample Collected Date :	24.07.2020	Test Commenced On :	25.07.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	27.07.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Asbestos Godown		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial/Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-5AM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	18.6	IS 5182:Part 08	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	36.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	75.4	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

<--- End of Report --->

 Verified By : 

Remarks : --

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TEST REPORT

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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-75/07/2020	Report Date :	27.07.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 24/07/2020	Sample Reference No :	ECI-NN-AAQ-75/07/2020
Sample Drawn By :	ECI	Sample Received On :	25.07.2020
Sample Collected Date :	24.07.2020	Test Commenced On :	25.07.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	27.07.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Guest House		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	15.2	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	26.3	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	55.5	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	< 1.0	IS 5182:Part 02	80

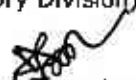
<--- End of Report --->

Verified By : 

Remarks : --

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RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangalkondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam

Date: 18/08/2020

We are giving below the count report of fibre dust samples received from Gangalkondan factory for the month of JULY-20.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (l/cc)
1	03.07.2020	ASBESTOS STORAGE GODOWN	S	1000	240	13	0.029
2	04.07.2020	BAG OPENING DEVICE / ERM	P	1000	240	9	0.020
3	07.07.2020	SLURRY MIXER	S	1000	240	13	0.029
4	08.07.2020	SHEETING MACHINE	P	1000	240	11	0.024
5	10.07.2020	CORRUGATOR	P	1000	240	11	0.024
6	12.07.2020	MOULDING AREA	P	1000	240	9	0.020
7	13.07.2020	LABORATORY	P	1000	240	10	0.022
8	16.07.2020	LOADING AREA	S	1000	240	9	0.020
9	19.07.2020	NEAT MAIN GATE(OUT SIDE)	S	1000	240	10	0.022
10	21.07.2020	SEGGREGATION	P	1000	240	12	0.026
11	23.07.2020	SALVAGE	S	1000	240	9	0.020
12	25.07.2020	PULVERIZER	P	1000	240	10	0.022

Remarks:-

*P-Personal

*S-Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR QUALITY MANAGER



RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam

Date: 18/08/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of JULY-20.

Ref.No	Date of sampling	Location	Sampling status	Duration in minutes	Volume of Air in CC/Min	No of Fibres	Fibre Concentration (F/CC)
13	24.07.2020	Fiber De-Stack	*	10	10000	8.00	0.042
14	24.07.2020	Pulverizer De-Stack	*	10	10000	5.00	0.027

Remarks:-

*P-Personal

*S-Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

Rajesh
SENIOR QUALITY MANAGER

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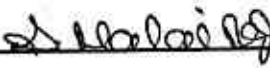
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TEST REPORT**STACK MONITORING**

Report No :	ECI-NN-SM-17/08/2020	Report Date :	07.08.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO DI: 06/08/2020	Sample Reference No :	ECI-NN-SM-17/08/2020
Sample Drawn By :	ECI	Sample Received On :	05.08.2020
Sample Collected Date :	04.08.2020	Test Commenced On :	05.08.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	07.08.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Fiber Mill Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	4314	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.9	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	26.0	---	NA
11.	Stack Temperature	°C	43	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)

Authorized Signatory

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**Enviro Care**

INDIA PRIVATE LIMITED

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ISO 14001 : 2004 Certified Company
OHSAS 18001 : 2007 Certified Company

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TEST REPORT**STACK MONITORING**

Report No :	ECI-NN-SM-16/08/2020	Report Date :	07.08.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 06/08/2020	Sample Reference No :	ECI-NN-SM-16/08/2020
Sample Drawn By :	ECI	Sample Received On :	05.08.2020
Sample Collected Date :	04.08.2020	Test Commenced On :	05.08.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	07.08.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Cement Fly Storage - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPGB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2464	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.4	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	2.8	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	23.5	---	NA
11.	Stack Temperature	°C	41	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *[Signature]*

Remarks : --

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TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-18/08/2020	Report Date :	07.08.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 06/08/2020	Sample Reference No :	ECI-NN-SM-18/08/2020
Sample Drawn By :	ECI	Sample Received On :	05.08.2020
Sample Collected Date :	04.08.2020	Test Commenced On :	05.08.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	07.08.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	DG 750 KVA - Silencer(Diesel)		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	0.6	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	0.6	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	3692	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	10.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	19.4	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	41.3	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.30	---	NA
10.	Stack Height from G Level	m	15.0	---	NA
11.	Stack Temperature	°C	120	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	11.2	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *[Signature]*

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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STACK MONITORING

Report No :	ECI-NN-SM-15/08/2020	Report Date :	07.08.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 06/08/2020	Sample Reference No :	ECI-NN-SM-15/08/2020
Sample Drawn By :	ECI	Sample Received On :	05.08.2020
Sample Collected Date :	04.08.2020	Test Commenced On :	05.08.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	07.08.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Pulverizer Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2487	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5162 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.4	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	6.0	---	NA
9.	Stack Diameter at port hole	m	0.40	---	NA
10.	Stack Height from G Level	m	9.0	---	NA
11.	Stack Temperature	°C	39	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *[Signature]*

Remarks : --

For **ENVIRO CARE INDIA PRIVATE LIMITED**
(Laboratory Division)



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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-15/08/2020	Report Date :	07.08.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 06/08/2020	Sample Reference No :	ECI-NN-AAQ-15/08/2020
Sample Drawn By :	ECI	Sample Received On :	05.08.2020
Sample Collected Date :	04.08.2020	Test Commenced On :	05.08.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	07.08.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Ashelos Godown		

No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	13.9	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	27.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	55.4	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.1	IS 5182:Part 02	80

<--- End of Report --->

Verified By : *S. Mahalingam*

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)



[Signature]
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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-16/08/2020	Report Date :	07.08.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 06/08/2020	Sample Reference No :	ECI-NN-AAQ-16/08/2020
Sample Drawn By :	ECI	Sample Received On :	05.08.2020
Sample Collected Date :	04.08.2020	Test Commenced On :	05.08.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	07.08.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Guest House		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	6.7	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	12.9	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	25.8	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	3.6	IS 5182:Part 02	80

<--- End of Report --->

Verified By : *[Signature]*

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)



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Authorized Signatory

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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-17/08/2020	Report Date :	07.08.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 06/08/2020	Sample Reference No :	ECI-NN-AAQ-17/08/2020
Sample Drawn By :	ECI	Sample Received On :	05.08.2020
Sample Collected Date :	04.08.2020	Test Commenced On :	05.08.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	07.08.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Stack Yard		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	12.4	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	23.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	46.5	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	6.3	IS 5182:Part 02	80

<--- End of Report --->

Verified By : *[Signature]*

Remarks : --

For **ENVIRO CARE INDIA PRIVATE LIMITED**
(Laboratory Division)

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**Enviro Care**

INDIA PRIVATE LIMITED

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OHSAS : 18001 : 2007 Certified Company**TEST REPORT**Accredited by **NABL** (Chemical & Biological)
Recognized by **BIS** as per IS : 14543 : 2016**AMBIENT AIR QUALITY SURVEY**

Report No :	ECI-NN-AAQ-18/08/2020	Report Date :	07.08.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 06/08/2020	Sample Reference No :	ECI-NN-AAQ-18/08/2020
Sample Drawn By :	ECI	Sample Received On :	05.08.2020
Sample Collected Date :	04.08.2020	Test Commenced On :	05.08.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	07.08.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Main Gate		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	12.5	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	26.1	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	52.4	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	6.0	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam

Date: 28/09/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of AUG-20.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (floc)
1	01.08.2020	ASBESTOS STORAGE GODOWN	S	1000	240	11	0.024
2	03.08.2020	BAG OPENING DEVICE / ERM	P	1000	240	10	0.022
3	04.08.2020	SLURRY MIXER	S	1000	240	6	0.013
4	05.08.2020	SHEETING MACHINE	P	1000	240	5	0.011
5	06.08.2020	CORRUGATOR	P	1000	240	8	0.018
6	07.08.2020	MOULDING AREA	P	1000	240	7	0.015
7	08.08.2020	LABORATORY	P	1000	240	6	0.013
8	14.08.2020	LOADING AREA	S	1000	240	8	0.018
9	17.08.2020	NEAT MAIN GATE(OUT SIDE)	S	1000	240	7	0.015
10	20.08.2020	SEGREGATION	P	1000	240	12	0.026
11	24.08.2020	SALVAGE	S	1000	240	10	0.022
12	26.08.2020	PULVERIZER	P	1000	240	13	0.029

Remarks:-

*P-Personal

*S-Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR QUALITY MANAGER



RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam

Date: 28/09/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of AUG-'20.

Ref.No	Date of sampling	Location	Sampling status	Duration in minutes	Volume of Air in CC/Min	No of Fibres	Fibre Concentration (F/CC)
13	05.08.2020	Fiber De-Stack	*	10	10000	6.00	0.032
14	05.08.2020	Pulverizer De-Stack	*	10	10000	7.00	0.037

Remarks:-

*P-Personal

*S-Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR QUALITY MANAGER



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Recognized by BIS as per IS : 44543 : 2016

TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-25/09/2020	Report Date :	12.09.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO DL 07/09/2020	Sample Reference No :	ECI-NN-SM-25/09/2020
Sample Drawn By :	ECI	Sample Received On :	08.09.2020
Sample Collected Date :	07.09.2020	Test Commenced On :	08.09.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	12.09.2020
Sample Description :	Stack	Sampling Method :	IS : 11255:P1
Sample Mark:	Fiber Mill Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max. Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	4314	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 08	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.6	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	26.0	---	NA
11.	Stack Temperature	°C	43	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *[Signature]*

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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Enviro Care
INDIA PRIVATE LIMITED

ISO 9001 : 2008 Certified Company
ISO 14001 : 2004 Certified Company
OHSAS : 18001 : 2007 Certified Company

TEST REPORT

Accredited by NABL (Chemical & Biological)

Recognized by BIS as per IS : 14543 : 2014

STACK MONITORING

Report No :	ECI-NN-SM-24/09/2020	Report Date :	12 09 2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No.12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt. 07/09/2020	Sample Reference No :	ECI-NN-SM-24/09/2020
Sample Drawn By :	ECI	Sample Received On :	08.09.2020
Sample Collected Date :	07.09.2020	Test Commenced On :	08.09.2020
Qty. of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	12.09.2020
Sample Description :	Stack	Sampling Method :	IS : 11255:P1
Sample Mark:	Cement Fly Storage - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2464	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.4	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	21.6	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	23.5	---	NA
11.	Stack Temperature	°C	41	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *[Signature]*

Remarks : --

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TEST REPORT

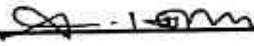
Accredited by **NABL** (Chemical & Biological)
 Recognized by BIS as per IS : 14543 : 2016

STACK MONITORING

Report No :	ECI-NN-SM-26/09/2020	Report Date :	12.09.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 07/09/2020	Sample Reference No :	ECI-NN-SM-26/09/2020
Sample Drawn By :	ECI	Sample Received On :	08.09.2020
Sample Collected Date :	07.09.2020	Test Commenced On :	08.09.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	12.09.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	DG 750 KVA - Silencer(Diesel)		

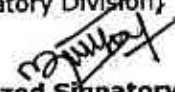
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	0.6	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	0.6	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	3692	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	10.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	38.1	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	47.6	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.30	---	NA
10.	Stack Height from G Level	m	15.0	---	NA
11.	Stack Temperature	°C	120	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	18.2	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : 

Remarks : --

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OHSAS : 18001 : 2007 Certified Company

TEST REPORT

Accredited by **NABL** (Chemical & Biological)

Recognized by BIS as per IS : 14543 : 201

STACK MONITORING

Report No :	ECI-NN-SM-23/09/2020	Report Date :	12.09.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipco Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 07/09/2020	Sample Reference No :	ECI-NN-SM-23/09/2020
Sample Drawn By :	ECI	Sample Received On :	08.09.2020
Sample Collected Date :	07.09.2020	Test Commenced On :	08.09.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	12.09.2020
Sample Description :	Stack	Sampling Method :	IS : 11255:P1
Sample Mark:	Pulverized Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max. Permissible TNPGB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2487	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.5	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	< 5.0	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	1.2	IS 11255:Part 01	2.0
8.	Port hole Height from G Level	m	6.0	---	NA
9.	Stack Diameter at port hole	m	0.40	---	NA
10.	Stack Height from G Level	m	9.0	---	NA
11.	Stack Temperature	°C	39	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	< 2.5	IS 11255:Part 02	NA

<--- End of Report --->

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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TEST REPORT

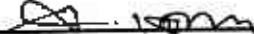
Accredited by **NABL** (Chemical & Biological)
 Recognized by BIS as per IS : 14543 : 2015

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-29/09/2020	Report Date :	12.09.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcol Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO DI: 07/09/2020	Sample Reference No :	ECI-NN-AAQ-29/09/2020
Sample Drawn By :	ECI	Sample Received On :	08.09.2020
Sample Collected Date :	07.09.2020	Test Commenced On :	08.09.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	12.09.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Main Gate		

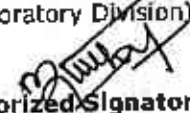
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial/Residential)
1.	Aminonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	17.5	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	28.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	59.3	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	8.0	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For **ENVIRO CARE INDIA PRIVATE LIMITED**
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TEST REPORT

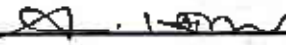
Accredited by **NABL** (Chemical & Biological)
Recognized by BIS as per IS : 14543 : 20

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-28/09/2020	Report Date :	12.09.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 07/09/2020	Sample Reference No :	ECI-NN-AAQ-28/09/2020
Sample Drawn By :	ECI	Sample Received On :	08.09.2020
Sample Collected Date :	07.09.2020	Test Commenced On :	08.09.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	12.09.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Slack Yard		

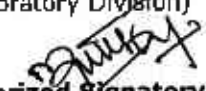
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	13.5	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	25.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	51.3	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	6.8	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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INDIA PRIVATE LIMITED

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ISO 14001 : 2004 Certified Company
OHSAS : 18001 : 2007 Certified Company

Accredited by NABL (Chemical & Biological)

Recognized by BIS as per IS : 14543 : 2018

TEST REPORT**AMBIENT AIR QUALITY SURVEY**

Report No :	ECI-NN-AAQ-27/09/2020	Report Date :	12.09.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No.12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 07/09/2020	Sample Reference No :	ECI-NN-AAQ-27/09/2020
Sample Drawn By :	ECI	Sample Received On :	08.09.2020
Sample Collected Date :	07.09.2020	Test Commenced On :	08.09.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	12.09.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Guest House		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	6.2	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	13.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	24.1	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	3.9	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks : --

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INDIA PRIVATE LIMITED
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ISO 14001 : 2004 Certified Company
ONRSL : 18001 : 2007 Certified Company

Accredited by **NABL** (Chemical & Biological)
Recognized by BIS as per IS : 14543 : 200

TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-26/09/2020	Report Date :	12.09.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 07/09/2020	Sample Reference No :	ECI-NN-AAQ-26/09/2020
Sample Drawn By :	ECI	Sample Received On :	08.09.2020
Sample Collected Date :	07.09.2020	Test Commenced On :	08.09.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	12.09.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Asbestos Godown		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 12	1.0
5.	Carbon Monoxide (as CO)	mg/m ³	< 1.2	ECI-SOP-SAM-08	2.0
6.	Lead (as Pb)	µg/m ³	< 0.1	IS 5182:Part 22	1.0
7.	Nickel (as Ni)	ng/m ³	< 0.1	IS 5182:Part 22	20
8.	Nitrogen dioxide (as NO ₂)	µg/m ³	14.9	IS 5182:Part 06	80
9.	Ozone (as O ₃)	µg/m ³	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	28.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	57.4	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.4	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arekkanam

Date: 08/10/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of SEP.'20.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (t/cc)
1	02.09.2020	ASBESTOS STORAGE GODOWN	S	1000	240	18	0.040
2	03.09.2020	BAG OPENING DEVICE / ERM	P	1000	240	17	0.037
3	04.09.2020	SLURRY MIXER	S	1000	240	15	0.033
4	05.09.2020	SHEETING MACHINE	P	1000	240	12	0.026
5	06.09.2020	CORRUGATOR	P	1000	240	16	0.035
6	07.09.2020	MOULDING AREA	P	1000	240	12	0.026
7	08.09.2020	LABORATORY	P	1000	240	10	0.022
8	09.09.2020	LOADING AREA	S	1000	240	7	0.015
9	17.09.2020	NEAT MAIN GATE(OUT SIDE)	S	1000	240	16	0.035
10	19.09.2020	SEGREGATION	P	1000	240	10	0.022
11	20.09.2020	SALVAGE	S	1000	240	13	0.029
12	22.09.2020	PULVERIZER	P	1000	240	17	0.037

Remarks:-

*P- Personal

*S- Static

Un able to process

SENIOR QUALITY MANAGER

Hard copy of report along with sample boxes will be sent through courier



RAMCO INDUSTRIES LIMITED

Assistant General Manager Production,
Ramco Industries Limited,
SIPCOT Industrial Area,
Gangaikondan,
TIRUNELVELI, Tamil Nadu.

Arakkonam

Date: 08/10/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of SEP-'20

Ref.No	Date of sampling	Location	Sampling status	Duration in minutes	Volume of Air in CC/Min	No of Fibres	Fibre Concentration (F/CC)
13	08.09.2020	Fiber De-Stack	.	10	10000	7.00	0.037
14	08.09.2020	Pulverizer De-Stack	.	10	10000	4.00	0.021

Remarks:-

*P-Personal

*S-Static

Un able to process

Hard copy of report along with sample boxes will be sent through courier

SENIOR QUALITY MANAGER