

TEST REPORT

 Accredited by NABL (Chemical & Biological)
 Recognized by BIS as per IS : 12543 : 2011

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-5/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-AAQ-5/10/2020
Sample Drawn By :	ECI	Sample Received On :	06.10.2020
Sample Collected Date :	05.10.2020	Test Commenced On :	06.10.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	10.10.2020
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	14.8	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	29.1	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	54.5	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.6	IS 5182:Part 02	80

<--- End of Report --->

Verified By : <i>P. M.</i>	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)  Authorized Signatory
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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-6/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No: 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-AAQ-6/10/2020
Sample Drawn By :	ECI	Sample Received On :	06.10.2020
Sample Collected Date :	05.10.2020	Test Commenced On :	06.10.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	10.10.2020
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	9.7	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	14.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	21.2	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	4.5	IS 5182:Part 02	80

<--- End of Report --->

Verified By : <i>P. M. S.</i>	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division) <i>[Signature]</i> Authorized Signatory
Remarks : --	

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TEST REPORT

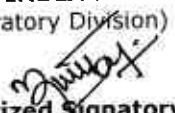
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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-7/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No.12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-AAQ-7/10/2020
Sample Drawn By :	ECI	Sample Received On :	06.10.2020
Sample Collected Date :	05.10.2020	Test Commenced On :	06.10.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	10.10.2020
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	15.1	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	31.2	EPA 40 CFR Part 50 Appendix L	60
11	Respirable Particulate Matter (PM ₁₀)	µg/m ³	53.1	IS 5182:Part 23	100
12	Sulphur Dioxide (as SO ₂)	µg/m ³	8.3	IS 5182:Part 02	80

<--- End of Report --->

Verified By : <i>P. M.</i> Remarks : --	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)  Authorized Signatory
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AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-8/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No. 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-AAQ-8/10/2020
Sample Drawn By :	ECI	Sample Received On :	06.10.2020
Sample Collected Date :	05.10.2020	Test Commenced On :	06.10.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	10.10.2020
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	13.7	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	25.6	EPA 40 CFR Part 50 Appendix L	60
11	Respirable Particulate Matter (PM ₁₀)	µg/m ³	47.1	IS 5182:Part 23	100
12	Sulphur Dioxide (as SO ₂)	µg/m ³	6.2	IS 5182:Part 02	80

<--- End of Report --->

Verified By : *p. m. a.*

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)

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Authorized Signatory

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STACK MONITORING

Report No :	ECI-NN-SM-7/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-SM-7/10/2020
Sample Drawn By :	ECI	Sample Received On :	06.10.2020
Sample Collected Date :	05.10.2020	Test Commenced On :	06.10.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	10.10.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Cement Fly Storage - Chimney		

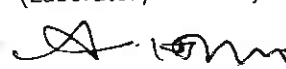
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2805	IS 11255:Part 03	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	23.4	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 : 

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-8/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-SM-8/10/2020
Sample Drawn By :	ECI	Sample Received On :	06.10.2020
Sample Collected Date :	05.10.2020	Test Commenced On :	06.10.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	10.10.2020
Sample Description :	Stack	Sampling Method :	IS : 11255:P1
Sample Mark:	Fiber Mill Dust Collector - Chimney		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2752	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	1.6	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	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 : <i>P. M.</i>	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division) <i>P. M.</i> Authorized Signatory
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STACK MONITORING

Report No :	ECI-NN-SM-6/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangalkondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-SM-6/10/2020
Sample Drawn By :	ECI	Sample Received On :	06.10.2020
Sample Collected Date :	05.10.2020	Test Commenced On :	06.10.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	10.10.2020
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	3614	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	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 : *P. M. J.*

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)

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TEST REPORT

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Recognized by BIS as per IS : 14503 : 2016

STACK MONITORING

Report No :	ECI-NN-SM-9/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-SM-9/10/2020
Sample Drawn By :	ECI	Sample Received On :	06.10.2020
Sample Collected Date :	05.10.2020	Test Commenced On :	06.10.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	10.10.2020
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	1891	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	19.5	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	42.1	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	78	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	8.9	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

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NOISE MONITORING

Report No :	ECI-NN-NM-6/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-NM-6/10/2020
Sample Description :	Noise	Monitoring Date :	05.10.2020
Monitored By :	ECI	Data Received On :	06.10.2020
S.No	Locations	Night time	
		Minimum	Maximum
1.	Admin Office Area	62.9	64.7
2.	Canteen Area	63.3	64.3
3.	DG Room	68.8	69.1
4.	Main Machine Area	68.5	69.4
5.	RM Section	67.7	69.8
6.	Stack Yard Area	57.5	58.2
7.	Striping Machine Area	68.5	69.2
8.	Toilet Area	63.5	64.5
9.	Workshop Area	68.5	69.7
10.	Near Main Gate	61.8	62.5
Unit		dB (A)	
TNPCB Max. Permissible Limit for Night Time (Industrial Area)		70	
Reference Method		IS 9989	
<--- 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

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 : 14003 : 2010

NOISE MONITORING

Report No :	ECI-NN-NM-5/10/2020	Report Date :	10.10.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 05/10/2020	Sample Reference No :	ECI-NN-NM-5/10/2020
Sample Description :	Noise	Monitoring Date :	05.10.2020
Monitored By :	ECI	Data Received On :	06.10.2020
S.No	Locations	Day Time	
		Minimum	Maximum
1.	Admin Office Area	64.4	66.7
2.	Canteen Area	64.1	64.8
3.	DG Room	73.1	74.2
4.	Main Machine Area	72.3	73.6
5.	RM Section	70.5	71.5
6.	Stack Yard Area	58.3	59.1
7.	Striping Machine Area	72.2	73.4
8.	Toilet Area	64.4	65.6
9.	Workshop Area	70.1	72.3
10.	Near Main Gate	62.3	63.7
Unit		dB (A)	
TNPCB Max. Permissible Limit for Day Time (Industrial Area)		75	
Reference Method		IS 9989	
<--- End of Report --->			
Verified By :			
Remarks : --			
		For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)	
		 Authorized Signatory	

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RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date:28/10/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of OCT-2020.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc)
1	03.10.2020	ASBESTOS STORAGE GODOWN	S	1000	240	10	0.022
2	04.10.2020	BAG OPENING DEVICE / ERM	P	1000	240	9	0.020
3	05.10.2020	SLURRY MIXER	S	1000	240	11	0.024
4	06.10.2020	SHEETING MACHINE	P	1000	240	11	0.024
5	07.10.2020	CORRUGATOR	P	1000	240	11	0.024
6	08.10.2020	MOULDING AREA	P	1000	240	10	0.022
7	09.10.2020	LABORATORY	P	1000	240	10	0.022
8	10.10.2020	LOADING AREA	S	1000	240	11	0.024
9	11.10.2020	NEAT MAIN GATE(OUT SIDE)	S	1000	240	11	0.024
10	12.10.2020	SEGGREGATION	P	1000	240	12	0.026
11	13.10.2020	SALVAGE	S	1000	240	11	0.024
12	06.10.2020	PULVERIZER	P	1000	240	13	0.029

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: 28/10/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of OCT-'2020.

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	05.10.2020	Fiber De-Stack	*	10	10000	11	0.058
14	05.10.2020	Pulverizer De-Stack	*	10	10000	11	0.058

Remarks:-

*P-Personal

*S-Static

Un able to process

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

SENIOR MANAGER QUALITY

TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-60/11/2020	Report Date :	13.11.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-AAQ-60/11/2020
Sample Drawn By :	ECI	Sample Received On :	11.11.2020
Sample Collected Date :	10.11.2020	Test Commenced On :	11.11.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	13.11.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Asbestos Godown		

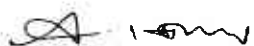
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 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	16.2	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	30.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	62.2	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.8	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)


Authorized Signatory

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TEST REPORT

Accredited by NABL (Chemical & Biological)
Recognized by BIS as per IS : 14543 : 2010

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-61/11/2020	Report Date :	13.11.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No: 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-AAQ-61/11/2020
Sample Drawn By :	ECI	Sample Received On :	11.11.2020
Sample Collected Date :	10.11.2020	Test Commenced On :	11.11.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	13.11.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182-P14
Sample Mark:	Near Guest House		

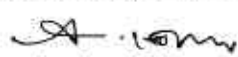
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 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	9.3	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	15.3	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	26.7	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	4.2	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)


Authorized Signatory

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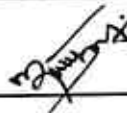
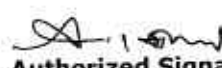
TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-62/11/2020	Report Date :	13.11.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-AAQ-62/11/2020
Sample Drawn By :	ECI	Sample Received On :	11.11.2020
Sample Collected Date :	10.11.2020	Test Commenced On :	11.11.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	13.11.2020
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	17.2	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	32.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	59.7	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	8.8	IS 5182:Part 02	80

<--- End of Report --->

Verified By :  Remarks : --	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)  Authorized Signatory
---	---



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TEST REPORT

Accredited by NABL (Chemical & Biological)
Recognized by BIS as per IS : 14543 : 2010

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-63/11/2020	Report Date :	13.11.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No: 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-AAQ-63/11/2020
Sample Drawn By :	ECI	Sample Received On :	11.11.2020
Sample Collected Date :	10.11.2020	Test Commenced On :	11.11.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	13.11.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Main Gate		

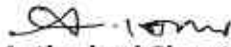
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 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	14.2	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	26.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	53.1	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	6.5	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)


Authorized Signatory

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TEST REPORT

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 Recognized by BIS as per IS : 14543 : 2016

STACK MONITORING

Report No :	ECI-NN-SM-53/11/2020	Report Date :	13.11.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-SM-53/11/2020
Sample Drawn By :	ECI	Sample Received On :	11.11.2020
Sample Collected Date :	10.11.2020	Test Commenced On :	11.11.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	13.11.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Cement Fly Storage - Chimney		

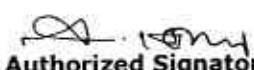
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2556	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.6	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	22.6	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	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 : 

Remarks : --

 For ENVIRO CARE INDIA PRIVATE LIMITED
 (Laboratory Division)


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TEST REPORT

Accredited by **NABL** (Chemical & Biological)
Recognized by BIS as per IS : 14513 : 2010

STACK MONITORING

Report No :	ECI-NN-SM-52/11/2020	Report Date :	13.11.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-SM-52/11/2020
Sample Drawn By :	ECI	Sample Received On :	11.11.2020
Sample Collected Date :	10.11.2020	Test Commenced On :	11.11.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	13.11.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Pulverizer Dust Collector - Chimney		

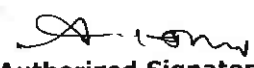
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPGB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	3389	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.8	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	1.5	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 : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)


Authorized Signatory

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TEST REPORT

Accredited by NABL (Chemical & Biological)
Recognized by BIS as per IS : 14543 : 2018

STACK MONITORING

Report No :	ECI-NN-SM-54/11/2020	Report Date :	13.11.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No: 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-SM-54/11/2020
Sample Drawn By :	ECI	Sample Received On :	11.11.2020
Sample Collected Date :	10.11.2020	Test Commenced On :	11.11.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	13.11.2020
Sample Description :	Stack	Sampling Method :	IS : 11255.P1
Sample Mark:	Fiber Mill Dust Collector - Chimney		

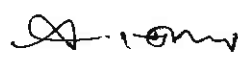
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2654	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.8	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	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	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 : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)


Authorized Signatory

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TEST REPORT

 Accredited by **NABL** (Chemical & Biological)
 Recognized by BIS as per IS : 34543 - 2011

STACK MONITORING

Report No :	ECI-NN-SM-55/11/2020	Report Date :	13.11.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-SM-55/11/2020
Sample Drawn By :	ECI	Sample Received On :	11.11.2020
Sample Collected Date :	10.11.2020	Test Commenced On :	11.11.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	13.11.2020
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	1823	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	20.4	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	43.5	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.30	---	NA
10.	Stack Height from G Level	m	15.0	---	NA
11.	Stack Temperature	°C	78	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	9.5	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

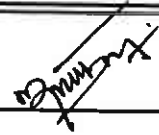
NOISE MONITORING

Report No :	ECI-NN-NM-28/11/2020	Report Date :	13 11 2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-NM-28/11/2020
Sample Description :	Noise	Monitoring Date :	10.11.2020
Monitored By :	ECI	Data Received On :	11.11.2020

S.No	Locations	Day Time	
		Minimum	Maximum
1.	Admin Office Area	63.7	64.5
2.	Canteen Area	63.6	64.3
3.	DG Room	70.7	71.3
4.	Main Machine Area	69.5	70.3
5.	RM Section	67.9	68.1
6.	Stack Yard Area	60.1	61.5
7.	Stripping Machine Area	66.3	68.1
8.	Toilet Area	63.5	64.9
9.	Workshop Area	66.2	67.5
10.	Near Main Gate	61.3	62.7

Unit	dB (A)
TNPCB Max. Permissible Limit for Day Time (Industrial Area)	75
Reference Method	IS 9989

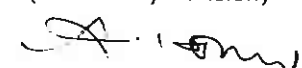
<--- End of Report --->

Verified By : 

Remarks : --



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TEST REPORT

Accredited by **NRBL** (Chemical & Biological)
 Recognized by **BIS** as per IS : 14543 : 2011

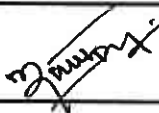
NOISE MONITORING

Report No :	ECI-NN-NM-29/11/2020	Report Date :	13 11 2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/11/2020	Sample Reference No :	ECI-NN-NM-29/11/2020
Sample Description :	Noise	Monitoring Date :	10 11 2020
Monitored By :	ECI	Data Received On :	11.11 2020

S.No	Locations	Night time	
		Minimum	Maximum
1.	Admin Office Area	62.8	64.6
2.	Canteen Area	63.2	64.2
3.	DG Room	67.7	68.1
4.	Main Machine Area	67.5	68.3
5.	RM Section	66.5	68.8
6.	Stack Yard Area	56.5	57.2
7.	Striping Machine Area	67.5	68.2
8.	Toilet Area	62.5	63.5
9.	Workshop Area	64.8	65.7
10.	Near Main Gate	60.8	62.5

Unit	dB (A)
TNPCB Max. Permissible Limit for Night Time (Industrial Area)	70
Reference Method	IS 9989

<--- End of Report --->

Verified By : 	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)  Authorized Signatory
Remarks : --	



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RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 08/12/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of Nov-2020..

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	10.11.2020	Fiber De-Stack	.	10	10000	7	0.037
14	10.11.2020	Pulverizer De-Stack	.	10	10000	9	0.048

Remarks:-

*P- Personal

*S- Static

Un able to process

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

SENIOR MANAGER QUALITY



RAMCO INDUSTRIES LIMITED

Arakkonam

Date:08/12/2020

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

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of Nov-2020.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (ffcc)
1	07.11.2020	ASBESTOS STORAGE GODOWN	S	1000	240	8	0.018
2	08.11.2020	BAG OPENING DEVICE / ERM	P	1000	240	10	0.022
3	09.11.2020	SLURRY MIXER	S	1000	240	8	0.018
4	10.11.2020	SHEETING MACHINE	P	1000	240	9	0.020
5	11.11.2020	CORRUGATOR	P	1000	240	11	0.024
6	12.11.2020	MOULDING AREA	P	1000	240	12	0.026
7	15.11.2020	LABORATORY	P	1000	240	11	0.024
8	16.11.2020	LOADING AREA	S	1000	240	10	0.022
9	17.11.2020	NEAT MAIN GATE(OUT SIDE)	S	1000	240	7	0.015
10	18.11.2020	SEGREGATION	P	1000	240	12	0.026
11	15.11.2020	SALVAGE	S	1000	240	10	0.022
12	17.11.2020	PULVERIZER	P	1000	240	9	0.020

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

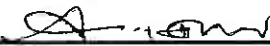
TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-70/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-AAQ-70/12/2020
Sample Drawn By :	ECI	Sample Received On :	05.12.2020
Sample Collected Date :	04.12.2020	Test Commenced On :	05.12.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	09.12.2020
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	< 9.8	IS 5182:Part 09	180
10.	Particulate Matter (PM _{2.5})	µg/m ³	29.4	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	59.2	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.7	IS 5182:Part 02	80

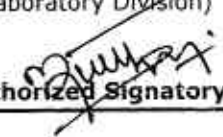
<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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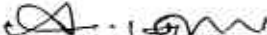
TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-71/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-AAQ-71/12/2020
Sample Drawn By :	ECI	Sample Received On :	05.12.2020
Sample Collected Date :	04.12.2020	Test Commenced On :	05.12.2020
Qty of Sample Received	Filter Paper & 25ml Solution	Test Completed On :	09.12.2020
Sample Description	Ambient Air	Sampling Method	IS 5182:P14
Sample Mark:	Near Guest House		

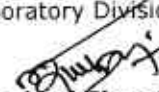
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial/Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 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	8.7	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	17.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	25.4	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	4.6	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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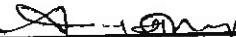
TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-72/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No: 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-AAQ-72/12/2020
Sample Drawn By :	ECI	Sample Received On :	05.12.2020
Sample Collected Date :	04.12.2020	Test Commenced On :	05.12.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	09.12.2020
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	14.5	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	34.9	EPA 40 CFR Part 50 Appendix L	60
11	Respirable Particulate Matter (PM ₁₀)	µg/m ³	65.2	IS 5182:Part 23	100
12	Sulphur Dioxide (as SO ₂)	µg/m ³	8.6	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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Authorized Signatory



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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-NN-AAQ-73/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-AAQ-73/12/2020
Sample Drawn By :	ECI	Sample Received On :	05.12.2020
Sample Collected Date :	04.12.2020	Test Commenced On :	05.12.2020
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	09.12.2020
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Main Gate		

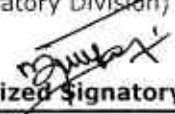
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrine (BaP)	ng/m ³	< 1.0	IS 5182:Part 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	17.3	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	23.7	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	55.2	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	6.9	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Laboratory Division)

Authorized Signatory 

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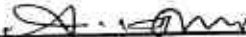
TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-64/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-SM-64/12/2020
Sample Drawn By :	ECI	Sample Received On :	05.12.2020
Sample Collected Date :	04.12.2020	Test Commenced On :	05.12.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	09.12.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Cement Fly Storage - Chimney		

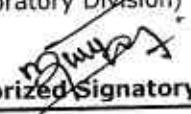
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPGB norms for General Emission Standards
1	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4	Flow rate	Nm ³ /hr	2556	IS 11255:Part 03	NA
5	Flue Gas velocity	m/sec	7.6	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	23.4	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 : 

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
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TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-65/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-SM-65/12/2020
Sample Drawn By :	ECI	Sample Received On :	05.12.2020
Sample Collected Date :	04.12.2020	Test Commenced On :	05.12.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	09.12.2020
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	2654	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.8	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	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 :

Remarks : --

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TEST REPORT

STACK MONITORING

Report No :	ECI-NN-SM-63/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-SM-63/12/2020
Sample Drawn By :	ECI	Sample Received On :	05.12.2020
Sample Collected Date :	04.12.2020	Test Commenced On :	05.12.2020
Qty. of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	09.12.2020
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	3389	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.8	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	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	38	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

STACK MONITORING

Report No :	ECI-NN-SM-66/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-SM-66/12/2020
Sample Drawn By :	ECI	Sample Received On :	05.12.2020
Sample Collected Date :	04.12.2020	Test Commenced On :	05.12.2020
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	09.12.2020
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	DG 750 KVA - Silencer(Diesel)		

S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible 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	1823	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	19.3	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	44.5	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.30	---	NA
10.	Stack Height from G Level	m	15.0	---	NA
11.	Stack Temperature	°C	78	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	9.3	IS 11255:Part 02	NA

<--- End of Report --->

Verified By :	 For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)  Authorized Signatory
Remarks : --	

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TEST REPORT

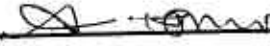
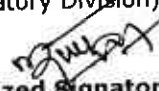
NOISE MONITORING

Report No :	ECI-NN-NM-29/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No: 12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-NM-29/12/2020
Sample Description :	Noise	Monitoring Date :	04.12.2020
Monitored By :	ECI	Data Received On :	05.12.2020

S.No	Locations	Day Time	
		Minimum	Maximum
1.	Admin Office Area	64.3	65.6
2.	Canteen Area	63.9	64.7
3.	DG Room	71.2	71.6
4.	Main Machine Area	69.8	70.5
5.	RM Section	67.5	68.6
6.	Stack Yard Area	59.9	60.4
7.	Striping Machine Area	65.6	67.8
8.	Toilet Area	63.8	64.5
9.	Workshop Area	66.6	67.7
10.	Near Main Gate	61.8	62.6

Unit	dB (A)
TNPCB Max. Permissible Limit for Day Time (Industrial Area)	75
Reference Method	IS 9989

<--- End of Report --->

Verified By : 	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)  Authorized Signatory
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TEST REPORT

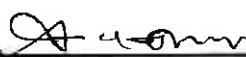
NOISE MONITORING

Report No :	ECI-NN-NM-30/12/2020	Report Date :	09.12.2020
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/12/2020	Sample Reference No :	ECI-NN-NM-30/12/2020
Sample Description :	Noise	Monitoring Date :	04.12.2020
Monitored By :	ECI	Data Received On :	05.12.2020

S.No	Locations	Night time	
		Minimum	Maximum
1.	Admin Office Area	53.4	54.5
2.	Canteen Area	62.1	63.1
3.	DG Room	61.1	62.3
4.	Main Machine Area	65.6	66.8
5.	RM Section	64.5	65.8
6.	Stack Yard Area	56.7	57.5
7.	Striping Machine Area	67.6	68.5
8.	Toilet Area	62.9	63.8
9.	Workshop Area	65.1	66.4
10.	Near Main Gate	60.9	61.8

Unit	dB (A)
TNPCB Max. Permissible Limit for Night Time (Industrial Area)	70
Reference Method	IS 9989

<--- End of Report --->

Verified By : 	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)  Authorized Signatory
Remarks : --	



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RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 08/01/2021

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of DEC-2020.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc)
1	03.12.2020	ASBESTOS STORAGE GODOWN	S	1000	240	10	0.022
2	04.12.2020	BAG OPENING DEVICE / ERM	P	1000	240	9	0.020
3	05.12.2020	SLURRY MIXER	S	1000	240	8	0.018
4	06.12.2020	SHEETING MACHINE	P	1000	240	10	0.022
5	17.12.2020	CORRUGATOR	P	1000	240	11	0.024
6	18.12.2020	MOULDING AREA	P	1000	240	9	0.020
7	18.12.2020	LABORATORY	P	1000	240	11	0.024
8	12.12.2020	LOADING AREA	S	1000	240	8	0.018
9	10.12.2020	NEAT MAIN GATE(OUT SIDE)	S	1000	240	9	0.020
10	13.12.2020	SEGREGATION	P	1000	240	10	0.022
11	16.12.2020	SALVAGE	S	1000	240	10	0.022
12	15.12.2020	PULVERIZER	P	1000	240	8	0.018

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



RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 08/01/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of Dec-2020..

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	04.12.2020	Fiber De-Stack	*	10	10000	5	0.027
14	04.12.2020	Pulverizer De-Stack	*	10	10000	4	0.021

Remarks:-

*P-Personal

*S-Static

Un able to process

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

[Signature]
SENIOR MANAGER QUALITY



TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	TC622621000000007F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000007F
Sample Drawn By :	ECI	Sample Received On :	04.01.2021
Sample Collected Date :	04.01.2021	Test Commenced On :	05.01.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	07.01.2021
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	15.9	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	29.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	63.2	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.6	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory



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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	TC622621000000008F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000008F
Sample Drawn By :	ECI	Sample Received On :	04.01.2021
Sample Collected Date :	04.01.2021	Test Commenced On :	05.01.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	07.01.2021
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	9.6	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	16.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	29.2	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	4.6	IS 5182:Part 02	80

--- End of Report ---

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory



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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	TC622621000000009F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre, Gangaikondan, Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000009F
Sample Drawn By :	ECI	Sample Received On :	04.01.2021
Sample Collected Date :	04.01.2021	Test Commenced On :	05.01.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	07.01.2021
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	19.4	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	17.7	EPA 40 CFR Part-50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	60.7	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	9.2	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory



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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	TC622621000000010F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000010F
Sample Drawn By :	ECI	Sample Received On :	04.01.2021
Sample Collected Date :	04.01.2021	Test Commenced On :	05.01.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	07.01.2021
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	14.5	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	27.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	52.2	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
(Chemical Testing Laboratory)

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TEST REPORT

STACK MONITORING

Report No :	TC622621000000013F	Report Date :	08.01.2021		
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352				
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000013F		
Sample Drawn By :	ECI	Sample Received On :	04.01.2021		
Sample Collected Date :	04.01.2021	Test Commenced On :	05.01.2021		
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	06.01.2021		
Sample Description :	Stack	Sampling Method :	IS :11255:P1		
Sample Mark:	Cement Fly Storage				
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	2812	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.18	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	21.9	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	23.5	---	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 :		For ENVIRO CARE INDIA PRIVATE LIMITED (Chemical Testing Laboratory)			
Remarks : --		 Authorized Signatory			

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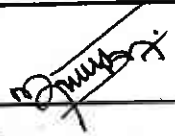
TEST REPORT

STACK MONITORING

Report No :	TC622621000000012F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000012F
Sample Drawn By :	ECI	Sample Received On :	04.01.2021
Sample Collected Date :	04.01.2021	Test Commenced On :	05.01.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	06.01.2021
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Fiber Mill Dust Collector		

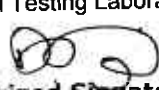
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCB norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2782	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.12	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	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**
(Chemical Testing Laboratory)


Authorized Signatory



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TEST REPORT

STACK MONITORING

Report No :	TC622621000000011F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No.12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000011F
Sample Drawn By :	ECI	Sample Received On :	04.01.2021
Sample Collected Date :	04.01.2021	Test Commenced On :	05.01.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	06.01.2021
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Pulverizer Dust Collector		

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	3730	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.33	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	1.3	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**
(Chemical Testing Laboratory)

Authorized Signatory



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TEST REPORT

STACK MONITORING

Report No :	TC622621000000014F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000014F
Sample Drawn By :	ECI	Sample Received On :	04.01.2021
Sample Collected Date :	04.01.2021	Test Commenced On :	05.01.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	06.01.2021
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	1905	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.9	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	21.6	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	42.6	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	88	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	9.3	IS 11255:Part 02	NA

<--- End of Report --->

Verified By :

Remarks : --

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory



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TEST REPORT
NOISE MONITORING

Report No :	TC622621000000015F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt. 04/01/2021	Sample Reference No :	TC622621000000015F
Sample Description :	Noise	Monitoring Date :	04.01.2021
Monitored By :	ECI	Data Received On :	04.01.2021
S.No	Locations	Day Time	
		Minimum	Maximum
1.	Admin Office Area	63.2	64.0
2.	Canteen Area	63.0	64.0
3.	DG Room	73.3	74.7
4.	Main Machine Area	71.5	72.3
5.	RM Section	72.6	73.2
6.	Stack Yard Area	57.7	58.5
7.	Stripping Machine Area	74.1	74.9
8.	Toilet Area	63.3	64.6
9.	Work Shop Area	72.4	73.4
10.	Near Main Gate	61.3	62.7
Unit		dB (A)	
TNPCL Max. Permissible Limit for Day Time (Industrial Area)		75	
Reference Method		IS 9989	
-----End of Report-----			
Verified By :	<i>[Signature]</i>		
Remarks :	--		
		For ENVIRO CARE INDIA PRIVATE LIMITED (Chemical Testing Laboratory) <i>[Signature]</i> Authorized Signatory	



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TEST REPORT

NOISE MONITORING

Report No :	TC622621000000016F	Report Date :	08.01.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 04/01/2021	Sample Reference No :	TC622621000000016F
Sample Description :	Noise	Monitoring Date :	04.01.2021
Monitored By :	ECI	Data Received On :	04.01.2021
S.No	Locations	Night time	
		Minimum	Maximum
1.	Admin Office Area	64.2	66.3
2.	Canteen Area	64.3	65.9
3.	DG Room	68.5	69.6
4.	Main Machine Area	68.3	69.3
5.	RM Section	64.0	64.9
6.	Stack Yard Area	58.0	58.9
7.	Stripping Machine Area	68.5	69.3
8.	Toilet Area	64.7	65.3
9.	Work Shop Area	68.2	69.7
10.	Near Main Gate	62.5	63.5
Unit	dB (A)		
TNPCB Max. Permissible Limit for Night Time (Industrial Area)	70		
Reference Method	IS 9989		
<--- End of Report --->			
Verified By :			
Remarks :	For ENVIRO CARE INDIA PRIVATE LIMITED (Chemical Testing Laboratory) Authorized Signatory		



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RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 28/02/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of JAN -2021.

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	01.01.2021	Fiber De-Stack	*	10	10000	3	0.016
14	01.01.2021	Pulverizer De-Stack	*	10	10000	4	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 MANAGER QUALITY



RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 28/02/2020

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of JAN -2021.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc)
1	03.01.2021	ASBESTOS STORAGE GODOWN	S	1000	240	11	0.024
2	01.01.2021	BAG OPENING DEVICE / ERM	P	1000	240	6	0.013
3	01.01.2021	SLURRY MIXER	S	1000	240	8	0.018
4	01.01.2021	SHEETING MACHINE	P	1000	240	9	0.020
5	02.01.2021	CORRUGATOR	P	1000	240	11	0.024
6	02.01.2021	MOULDING AREA	P	1000	240	8	0.018
7	02.01.2021	LABORATORY	P	1000	240	10	0.022
8	04.01.2021	LOADING AREA	S	1000	240	11	0.024
9	05.01.2021	NEAT MAIN GATE(OUT SIDE)	S	1000	240	11	0.024
10	06.01.2021	SEGREGATION	P	1000	240	12	0.026
11	07.01.2021	SALVAGE	S	1000	240	11	0.024
12	08.01.2021	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

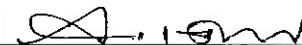
TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-AAQ-2021/02/005	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-AAQ-2021/02/005
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	08.02.2021
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Asbestos Godown		

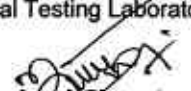
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 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	16.8	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	31.4	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	66.3	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.9	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks: In the above mentioned location meets the requirements of NAAQs standards with respect to the parameters tested.

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)


Authorized Signatory



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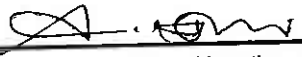
TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-AAQ-2021/02/006	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-AAQ-2021/02/006
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	08.02.2021
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Guest House		

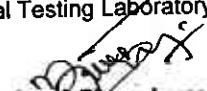
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 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	11.3	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	14.8	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	26.7	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	5.4	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks: In the above mentioned location meets the requirements of NAAQs standards with respect to the parameters tested.

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory 



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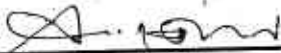
TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-AAQ-2021/02/007	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-AAQ-2021/02/007
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	08.02.2021
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	17.9	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	23.4	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	56.9	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	8.8	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks: In the above mentioned location meets the requirements of NAAQs standards with respect to the parameters tested.

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)


Authorized Signatory



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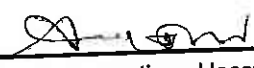
TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	ECI-AAQ-2021/02/008	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-AAQ-2021/02/008
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	08.02.2021
Sample Description :	Ambient Air	Sampling Method :	IS 5182:P14
Sample Mark:	Near Main Gate		

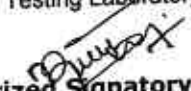
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Permissible limits of NAAQs (Industrial, Residential)
1.	Ammonia (as NH ₃)	µg/m ³	< 1.0	IS 11255:Part 06	400
2.	Arsenic (as As)	ng/m ³	< 0.1	IS 5182:Part 22	6.0
3.	Benzene (C ₆ H ₆)	µg/m ³	< 1.0	IS 5182:Part 11	5.0
4.	Benzo-a-Pyrene (BaP)	ng/m ³	< 1.0	IS 5182:Part 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	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	29.4	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	58.1	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.6	IS 5182:Part 02	80

<--- End of Report --->

Verified By : 

Remarks: In the above mentioned location meets the requirements of NAAQs standards with respect to the parameters tested.

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory 



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TEST REPORT

STACK MONITORING

Report No :	ECI-SM-2021/02/005	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondap Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-SM-2021/02/005
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.02.2021
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Cement Fly Storage		

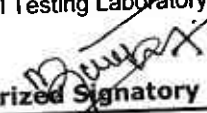
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max. Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2679	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	7.96	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	24.8	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	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 : 

Remarks : In the above mentioned stack meets the requirements of TNPCE standards with respect to the parameters tested
 NA - Not Applicable

For ENVIRO CARE INDIA PRIVATE LIMITED
 (Chemical Testing Laboratory)

Authorized Signatory 



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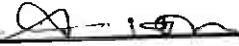
TEST REPORT

STACK MONITORING

Report No :	ECI-SM-2021/02/004	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-SM-2021/02/004
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.02.2021
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Fiber Mill Dust Collector		

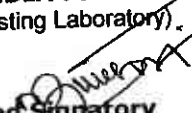
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max.Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	2699	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.05	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	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	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 : In the above mentioned stack meets the requirements of TNPCE standards with respect to the parameters tested
NA – Not Applicable

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory 

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TEST REPORT

STACK MONITORING

Report No :	ECI-SM-2021/02/003	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-SM-2021/02/003
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.02.2021
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Pulverizer Dust Collector		

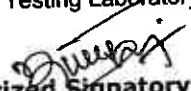
S.No	PARAMETERS	UNITS	RESULTS	TEST METHOD	Max. Permissible TNPCE norms for General Emission Standards
1.	Ambient Temperature	°C	32	IS 11255:Part 03	NA
2.	Carbon dioxide (as CO ₂)	% (v/v)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	3513	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.1	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	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	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 : In the above mentioned stack meets the requirements of TNPCE standards with respect to the parameters tested
 NA – Not Applicable

For ENVIRO CARE INDIA PRIVATE LIMITED
 (Chemical Testing Laboratory)

Authorized Signatory 



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TEST REPORT

STACK MONITORING

Report No :	ECI-SM-2021/02/006	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-SM-2021/02/006
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.02.2021
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	1781	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	25.1	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	88	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	12.4	IS 11255:Part 02	NA

--- End of Report ---

Verified By : 

Remarks : In the above mentioned stack meets the requirements of TNPCE standards with respect to the parameters tested
NA - Not Applicable

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory 



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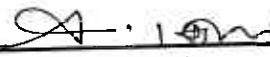
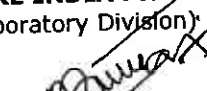
TEST REPORT

STACK MONITORING

Report No :	ECI-SM-2021/02/007	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-SM-2021/02/007
Sample Drawn By :	ECI	Sample Received On :	03.02.2021
Sample Collected Date :	02.02.2021	Test Commenced On :	03.02.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.02.2021
Sample Description :	Stack	Sampling Method :	IS : 11255:P1
Sample Mark:	Diesel Fired Drier -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 Monoxide (as CO)	% (v/v)	0.2	IS 13270	1.0
3.	Flow rate	Nm ³ /hr	1995	IS 11255:Part 03	NA
4.	Flue Gas velocity	m/sec	8.0	IS 11255:Part 03	NA
5.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	14.9	IS 11255:Part 07 & IS 5182 :Part 06	NA
6.	Particulate Matter (PM)	mg/Nm ³	62.5	IS 11255:Part 01	150
7.	Port hole Height from G Level	m	5.0	---	NA
8.	Stack Diameter at port hole	m	0.30	---	NA
9.	Stack Height from G Level	m	6.0	---	NA
10.	Stack Temperature	°C	38	IS 11255:Part 03	NA
11.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	7.3	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : 	For ENVIRO CARE INDIA PRIVATE LIMITED (Laboratory Division)  Authorized Signatory
Remarks : NA -Not Applicable	

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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

NOISE MONITORING

Report No :	ECI-NM_2021/02/002	Report Date :	08.02.2021		
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352				
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-NM_2021/02/002		
Sample Description :	Noise	Monitoring Date :	02.02.2021		
Monitored By :	ECI	Data Received On :	03.02.2021		
S.No	Locations	Day Time			
		Minimum	Maximum		
1.	Admin Office Area	64.2	65.9		
2.	Canteen Area	68.5	69.2		
3.	DG Room	70.7	71.7		
4.	Main Machine Area	69.1	71.8		
5.	RM Section	73.3	73.9		
6.	Stack Yard Area	68.3	69.5		
7.	Stripping Machine Area	64.5	65.3		
8.	Toilet Area	67.1	68.7		
9.	Work Shop Area	70.2	70.9		
10.	Near Main Gate	69.0	69.8		
Unit		dB (A)			
TNPCB Max. Permissible Limit for Day Time (Industrial Area)		75			
Reference Method		IS 9989			
<--- End of Report --->					
Verified By : 	For ENVIRO CARE INDIA PRIVATE LIMITED (Chemical Testing Laboratory)  Authorized Signatory				
Remarks : --					



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TEST REPORT

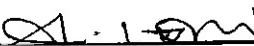
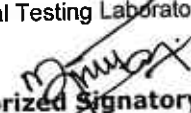
NOISE MONITORING

Report No :	ECI-NM_2021/02/003	Report Date :	08.02.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 02/02/2021	Sample Reference No :	ECI-NM_2021/02/003
Sample Description :	Noise	Monitoring Date :	02.02.2021
Monitored By :	ECI	Data Received On :	03.02.2021

S.No	Locations	Night time	
		Minimum	Maximum
1.	Admin Office Area	63.3	64.8
2.	Canteen Area	68.2	69.2
3.	DG Room	67.5	68.3
4.	Main Machine Area	67.3	68.9
5.	RM Section	62.8	63.5
6.	Stack Yard Area	66.5	67.0
7.	Stripping Machine Area	63.3	64.3
8.	Toilet Area	66.8	67.3
9.	Work Shop Area	60.1	61.0
10.	Near Main Gate	59.5	60.5

Unit	dB (A)
TNPCB Max. Permissible Limit for Night Time (Industrial Area)	70
Reference Method	IS 9989

<--- End of Report --->

Verified By : 	For ENVIRO CARE INDIA PRIVATE LIMITED (Chemical Testing Laboratory)  Authorized Signatory
Remarks : --	



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RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 24/03/2021

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of Feb 2021.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (f/cc)
1	03.02.2021	ASBESTOS STORAGE GODOWN	S	1000	240	3	0.007
2	04.02.2021	BAG OPENING DEVICE / ERM	P	1000	240	8	0.018
3	05.02.2021	SLURRY MIXER	S	1000	240	4	0.009
4	05.02.2021	SHEETING MACHINE	P	1000	240	4	0.009
5	06.02.2021	CORRUGATOR	P	1000	240	3	0.007
6	06.02.2021	MOULDING AREA	P	1000	240	10	0.022
7	07.02.2021	LABORATORY	P	1000	240	4	0.009
8	08.02.2021	LOADING AREA	S	1000	240	4	0.009
9	09.02.2021	NEAT MAIN GATE(OUT SIDE)	S	1000	240	16	0.035
10	10.02.2021	SEGREGATION	P	1000	240	10	0.022
11	11.02.2021	SALVAGE	S	1000	240	4	0.009
12	12.02.2021	PULVERIZER	P	1000	240	4	0.009

Remarks:-

*P-Personal

*S-Static

Un able to process

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

SENIOR MANAGER QUALITY



RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 24/03/2021

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of FEB -2021.

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	02.02.2021	Fiber De-Stack	*	10	10000	5	0.026
14	02.02.2021	Pulverizer De-Stack	*	10	10000	7	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 MANAGER QUALITY



TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	TC622621000000076F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/03/2021	Sample Reference No :	TC622621000000076F
Sample Drawn By :	ECI	Sample Received On :	03.03.2021
Sample Collected Date :	02.03.2021	Test Commenced On :	03.03.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	08.03.2021
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	17.6	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	30.5	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	62.7	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	8.1	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks: In the above mentioned location meets the requirements of NAAQs standards with respect to the parameters tested.

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory



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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	TC622621000000077F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/03/2021	Sample Reference No :	TC622621000000077F
Sample Drawn By :	ECI	Sample Received On :	03.03.2021
Sample Collected Date :	02.03.2021	Test Commenced On :	03.03.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	08.03.2021
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	12.6	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	15.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	29.7	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	5.2	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks: In the above mentioned location meets the requirements of NAAQs standards with respect to the parameters tested.

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory



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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	TC622621000000078F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/03/2021	Sample Reference No :	TC622621000000078F
Sample Drawn By :	ECI	Sample Received On :	03.03.2021
Sample Collected Date :	02.03.2021	Test Commenced On :	03.03.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	08.03.2021
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	19.5	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	25.2	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	51.9	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	9.1	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks: In the above mentioned location meets the requirements of NAAQs standards with respect to the parameters tested.

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory

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TEST REPORT

AMBIENT AIR QUALITY SURVEY

Report No :	TC62262100000079F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/03/2021	Sample Reference No :	TC62262100000079F
Sample Drawn By :	ECI	Sample Received On :	03.03.2021
Sample Collected Date :	02.03.2021	Test Commenced On :	03.03.2021
Qty of Sample Received :	Filter Paper & 25ml Solution	Test Completed On :	08.03.2021
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	17.3	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	30.1	EPA 40 CFR Part 50 Appendix L	60
11.	Respirable Particulate Matter (PM ₁₀)	µg/m ³	62.3	IS 5182:Part 23	100
12.	Sulphur Dioxide (as SO ₂)	µg/m ³	7.9	IS 5182:Part 02	80

<--- End of Report --->

Verified By :

Remarks: In the above mentioned location meets the requirements of NAAQs standards with respect to the parameters tested.

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory



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Total liability of our laboratory is limited to the invoice amount.

Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





TEST REPORT

STACK MONITORING

Report No :	TC622621000000083F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/03/2021	Sample Reference No :	TC622621000000083F
Sample Drawn By :	ECI	Sample Received On :	03.03.2021
Sample Collected Date :	02.03.2021	Test Commenced On :	03.03.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.03.2021
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Cement Fly Storage		

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	2795	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	22.9	IS 11255:Part 01	50
8.	Port hole Height from G Level	m	5.0	---	NA
9.	Stack Diameter at port hole	m	0.35	---	NA
10.	Stack Height from G Level	m	23.5	---	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 : In the above mentioned stack meets the requirements of TNPCE standards with respect to the parameters tested
NA - Not Applicable

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

Authorized Signatory

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6. Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





TC 6226

**Enviro Care**
INDIA PRIVATE LIMITEDISO 9001 : 2008 Certified Company
ISO 14001 : 2004 Certified Company
OHSAS : 18001 : 2007 Certified Company**TEST REPORT****STACK MONITORING**

Report No :	TC622621000000081F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No.12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/03/2021	Sample Reference No :	TC622621000000081F
Sample Drawn By :	ECI	Sample Received On :	03.03.2021
Sample Collected Date :	02.03.2021	Test Commenced On :	03.03.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.03.2021
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Fiber Mill Dust Collector		

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	2810	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	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	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 : In the above mentioned stack meets the requirements of TNPCE standards with respect to the parameters tested
NA - Not Applicable**For ENVIRO CARE INDIA PRIVATE LIMITED**
(Chemical Testing Laboratory)

Authorized Signatory

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- Note :**
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 - Total liability of our laboratory is limited to the invoice amount.
 - Any dispute arising out of this report is subjected to Madurai Jurisdiction Only.





TEST REPORT

STACK MONITORING

Report No :	TC622621000000082F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/03/2021	Sample Reference No :	TC622621000000082F
Sample Drawn By :	ECI	Sample Received On :	03.03.2021
Sample Collected Date :	02.03.2021	Test Commenced On :	03.03.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.03.2021
Sample Description :	Stack	Sampling Method :	IS :11255:P1
Sample Mark:	Pulverizer Dust Collector		

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)	< 0.2	IS 13270	NA
3.	Carbon Monoxide (as CO)	% (v/v)	< 0.2	IS 13270	1.0
4.	Flow rate	Nm ³ /hr	3689	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	1.3	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 : In the above mentioned stack meets the requirements of TNPCB standards with respect to the parameters tested
NA - Not Applicable

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

[Signature]
Authorized Signatory



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Note: 1. The results are valid only for the sample tested.

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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

STACK MONITORING

Report No :	TC622621000000080F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt: 10/03/2021	Sample Reference No :	TC622621000000080F
Sample Drawn By :	ECI	Sample Received On :	03.03.2021
Sample Collected Date :	02.03.2021	Test Commenced On :	03.03.2021
Qty of Sample Received :	Thimble & 50 ml Soln	Test Completed On :	08.03.2021
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	1894	IS 11255:Part 03	NA
5.	Flue Gas velocity	m/sec	8.9	IS 11255:Part 03	NA
6.	Oxides of Nitrogen (as NO _x)	mg/Nm ³	26.4	IS 11255:Part 07 & IS 5182 :Part 06	NA
7.	Particulate Matter (PM)	mg/Nm ³	47.2	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	83	IS 11255:Part 03	NA
12.	Sulphur Dioxide (as SO ₂)	mg/Nm ³	12.8	IS 11255:Part 02	NA

<--- End of Report --->

Verified By : *[Signature]*

Remarks : In the above mentioned stack meets the requirements of TNPCB standards with respect to the parameters tested
NA - Not Applicable

For ENVIRO CARE INDIA PRIVATE LIMITED
(Chemical Testing Laboratory)

[Signature]
Authorized Signatory



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TEST REPORT

NOISE MONITORING

Report No :	TC622621000000084F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt:10/03/2021	Sample Reference No :	TC622621000000084F
Sample Description :	Noise	Monitoring Date :	02.03.2021
Monitored By :	ECI	Data Received On :	03.03.2021

S.No	Locations	Day Time	
		Minimum	Maximum
1.	Admin Office Area	65.3	66.5
2.	Canteen Area	68.7	69.5
3.	DG Room	70.1	73.3
4.	Main Machine Area	67.1	69.6
5.	RM Section	63.3	64.7
6.	Stack Yard Area	67.2	68.3
7.	Stripping Machine Area	74.2	74.8
8.	Toilet Area	66.0	67.5
9.	Work Shop Area	70.2	70.8
10.	Near Main Gate	69.5	70.7
Unit		dB (A)	
TNPCB Max. Permissible Limit for Day Time (Industrial Area)		75	
Reference Method		IS 9989	

<--- End of Report --->

Verified By :

Remarks : --

For **ENVIRO CARE INDIA PRIVATE LIMITED**
(Chemical Testing Laboratory)

Authorized Signatory



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TEST REPORT

NOISE MONITORING

Report No :	TC622621000000085F	Report Date :	08.03.2021
Customer Name & Address	M/s. Ramco Industries Ltd Plot No:12A, Sipcot Industrial Growth Centre Gangaikondan Tirunelveli Dist-627352		
Customer Reference :	IWO Dt:10/03/2021	Sample Reference No :	TC622621000000085F
Sample Description :	Noise	Monitoring Date :	02.03.2021
Monitored By :	ECI	Data Received On :	03.03.2021

S.No	Locations	Night time	
		Minimum	Maximum
1.	Admin Office Area	63.4	64.6
2.	Canteen Area	67.3	68.7
3.	DG Room	65.1	66.3
4.	Main Machine Area	67.7	68.6
5.	RM Section	61.9	63.9
6.	Stack Yard Area	66.5	68.3
7.	Stripping Machine Area	62.6	64.5
8.	Toilet Area	56.6	57.5
9.	Work Shop Area	61.0	62.0
10.	Near Main Gate	66.4	67.5
Unit		dB (A)	
TNPCB Max. Permissible Limit for Night Time (Industrial Area)		70	
Reference Method		IS 9989	

<--- End of Report --->

Verified By : Remarks : --	For ENVIRO CARE INDIA PRIVATE LIMITED (Chemical Testing Laboratory) Authorized Signatory
-------------------------------	--



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RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 24/03/2021

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of March 2021.

Ref.No.	Date of sampling	Location	S/P	Flow Rate (ml/min)	Sampling duration (min)	Fibre Count (nos)	Fibre concentration (ff/cc)
1	01.03.2021	ASBESTOS STORAGE GODOWN	S	1000	240	9	0.019
2	02.03.2021	BAG OPENING DEVICE / ERM	P	1000	240	4	0.009
3	02.03.2021	SLURRY MIXER	S	1000	240	3	0.007
4	05.03.2021	SHEETING MACHINE	P	1000	240	4	0.009
5	06.03.2021	CORRUGATOR	P	1000	240	3	0.006
6	06.03.2021	MOULDING AREA	P	1000	240	4	0.009
7	08.03.2021	LABORATORY	P	1000	240	7	0.015
8	09.03.2021	LOADING AREA	S	1000	240	4	0.009
9	10.03.2021	NEAT MAIN GATE(OUT SIDE)	S	1000	240	3	0.007
10	11.03.2021	SEGREGATION	P	1000	240	8	0.017
11	11.03.2021	SALVAGE	S	1000	240	3	0.006
12	12.03.2021	PULVERIZER	P	1000	240	4	0.009

Remarks:-

*P-Personal

*S-Static

Un able to process

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

SENIOR MANAGER QUALITY



RAMCO INDUSTRIES LIMITED

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

Arakkonam

Date: 24/03/2021

We are giving below the count report of fibre dust samples received from Gangaikondan factory for the month of MARCH -2021.

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	03.03.2021	Fiber De-Stack	*	10	10000	3	0.016
14	03.03.2021	Pulverizer De-Stack	*	10	10000	5	0.027

Remarks:-

*P-Personal

*S-Static

Un able to process

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

SENIOR MANAGER QUALITY