

TEST CERTIFICATE

REPORT NO: AR/2017/06/04 (A)

REPORTING DATE: 27.06.2017

NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED
V.P.O. BUDHEWAL, CHANDIGARH ROAD
LUDHIANA (PB).

SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/SM/06	Type of Sample:	Stack Air Emission
Date of Sample Collection:	23.06.2017	Point of Sampling:	From Port Hole on Stack
Date of Sample Received in Lab.:	24.06.2017	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/2017/06/53 (A)	Analysis Duration:	24.06.2017 to 26.06.2017
Nature of Sample:	Air Sample	Sample Collected By:	Deepak Sahni

TECHNICAL DATA

1.	Name of Plant/Section	DG Set (500 KVA) {S. No. F63205/0500065}
2.	Source of Emission	Burning of Fuel
3.	Type Of Fuel/Quantity	HSD @ 20 liter/hr.
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	4" (Top) ; 4"(Bottom)
6.	Height of Stack	15 feet from ground level
7.	Sampling Time	30 minutes
8.	Ambient Air Temperature	35°C
9.	Stack Air Temperature	171°C
10.	Velocity of Flue Gases	11.3 m/sec

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM) mg/Nm ³	41.4	75	IS:11255, (P-1), 1988, (RA-2009)
Nitrogen Dioxide (NO ₂) mg/Nm ³	292.2	1458	IS:11255, (P-7), 2005, (RA-2012)
Carbon Monoxide(CO) mg/Nm ³	47.0	150	IS: 5182 (P-10), 1999, (RA-2009)

S. K. Gupta
(Chemist In-Charge)
Date: 27/06/2017.

Sheela Kashyap
(Authorized Sign.)
Date: 27/6/17
Quality Manager

Chandigarh Pollution Testing Lab

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TEST CERTIFICATE

REPORT NO: ARL/2017/06/01(N)

REPORTING DATE: 27.06.2017

NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED
V.P.O. BUDHEWAL, CHANDIGARH ROAD
LUDHIANA (PB).

SAMPLE PARTICULARS

Sampling Plan Ref. No.: CPTL/NM/08 Type of Sample: Air Quality w.r.t Noise
Date of Monitoring: 23.06.2017 Sampling Location: 1.0 meter from Canopy
Sample Identification No.: CPTL/2017/06/17 (N) Environmental Conditions: Normal
Nature of Sample: Noise Level Monitoring Done By: Deepak Sahni

TECHNICAL DATA

1.	Source of Noise Pollution	DG Set
2.	Make of D.G. Set	Kirloskar
3.	Capacity of D.G. Set	160 KVA
4.	S. No. of D. G. Set	F63205/0500065
5.	Date of Manufacturing of D.G. Set	06/2005
6.	Date of Installation of D.G. Set	2005

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Canopy Door Open	98.1 dB(A)	--	CPCB/OSHA
Canopy Door Close	72.7 dB(A)	Max. 75 dB (A)	CPCB/OSHA
Insertion loss	25.4 dB(A)	Minimum 25 dB(A)	--

(Signature)
(Chemist In-Charge)
Date: 27/06/2017

(Signature)
(Authorized Sign.)
Date: 27/6/17
Sheetal Kashyap
Quality Manager
Chandigarh Pollution Testing Lab

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TEST CERTIFICATE

REPORT NO: AR/2017/06/01 (A)

REPORTING DATE: 27.06.2017

NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED
VPO:BUDHEWAL, CHANDIGARH ROAD
LUDHIANA(PUNJAB)

SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/SM/06	Type of Sample:	Stack Air Emission
Date of Sample Collection:	23-06-2017	Point of Sampling:	From Port Hole On Stack
Date of Sample Received in Lab.:	24-06-2017	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/2017/06/50 (A)	Analysis Duration:	24-06-2017 to 26-06-2017
Nature of Sample:	Air Sample	Sample Collected By:	Deepak Sahni

TECHNICAL DATA

1.	Name of Plant/Section	Induction Furnace (5 TPH) - A
2.	Source of Emission	Operation of Furnace
3.	Type Of Fuel/Quantity	Electricity
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	30'' (Top) ; 64'' (Bottom)
6.	Height of Stack	85 feet from ground level
7.	Sampling Time	40 minutes
8.	Ambient Air Temperature	35°C
9.	Stack Air Temperature	92°C
10.	Velocity of Flue Gases	10.1 m/sec
11.	APCD	Bag Filters

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD</u>	<u>TEST METHOD</u>
Particulate Matter (PM)	123.7 mg/Nm ³	150 mg/Nm ³	IS:11255 (P-1), 1988 (RA - 2009)

Sheetal
(Chemist In-Charge)
Date: 27/06/2017.

Deepak Sahni
(Authorized Sign.)
Date: 27/06/17

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CHANDIGARH POLLUTION TESTING LABORATORY

(Environmental Monitoring, EIA, NOC, ETP, STP)

Website : www.cptl.co.in

H.O. : #372, Sec. 15-A, Chandigarh-160 015 ☎ : 0172-4669295

Lab : E-126, Phase-VII, Indl. Area, Mohali - 160055 ☎ : 0172-5090312; e-mail : sital_cptimohali@yahoo.co.in, cptle126@gmail.com, lab@cptl.co.in



NABET accredited EIA consultant, MoEF & CC & PPCB recognized, ISO 9001 : 2008, ISO 14001:2004 and OHSAS 18001:2007 certified laboratory

TEST CERTIFICATE

REPORT NO: AR/2017/06/02 (A)

REPORTING DATE: 27.06.2017

NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED
VPO:BUDHEWAL, CHANDIGARH ROAD
LUDHIANA (PUNJAB).

SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/SM/06	Type of Sample:	Stack Air Emission
Date of Sample Collection:	23-06-2017	Point of Sampling:	From Port Hole On Stack
Date of Sample Received in Lab.:	24-06-2017	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/2017/06/51 (A)	Analysis Duration:	24-06-2017 to 26-06-2017
Nature of Sample:	Air Sample	Sample Collected By:	Deepak Sahni

TECHNICAL DATA

1.	Name of Plant/Section	Induction Furnace (5 TPH) - B
2.	Source of Emission	Operation of Furnace
3.	Type Of Fuel/Quantity	Electricity
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	30" (Top) ; 45" (Bottom)
6.	Height of Stack	85 feet from ground level
7.	Sampling Time	40 minutes
8.	Ambient Air Temperature	35°C
9.	Stack Air Temperature	88°C
10.	Velocity of Flue Gases	10.7 m/sec
11.	APCD	Bag Filters

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM)	117.2 mg/Nm ³	150 mg/Nm ³	IS:11255 (P-1), 1988 (RA - 2009)

(Chemist In-Charge)
Date: 27/06/2017.

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Sheetal Kashyap
Quality Manager
Chandigarh Pollution Testing Lab

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TEST CERTIFICATE

REPORT NO: AR/2017/06/03 (A)

REPORTING DATE: 27.06.2017

NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED
VPO: BUDHEWAL, CHANDIGARH ROAD
LUDHIANA(PUNJAB)

SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/SM/06	Type of Sample:	Stack Air Emission
Date of Sample Collection:	23-06-2017	Point of Sampling:	From Port Hole On Stack
Date of Sample Received in Lab.:	24-06-2017	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/2017/06/52(A)	Analysis Duration:	24-06-2017 to 26-06-2017
Nature of Sample:	Air Sample	Sample Collected By:	Deepak Sahni

TECHNICAL DATA

1.	Name of Plant/Section	Induction Furnace (5 TPH) - C
2.	Source of Emission	Operation of Furnace
3.	Type Of Fuel/Quantity	Electricity
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	30" (Top) ; 45" (Bottom)
6.	Height of Stack	85 feet from ground level
7.	Sampling Time	40 minutes
8.	Ambient Air Temperature	35°C
9.	Stack Air Temperature	86°C
10.	Velocity of Flue Gases	10.9m/sec
11.	APCD	Bag Filters

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM)	103.8 mg/Nm ³	150 mg/Nm ³	IS:11255 (P-1), 1988 (RA - 2009)

(Signature)
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Date: 27/06/2017

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Quality Manager

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TEST CERTIFICATE

REPORT NO: AR/2017/06/05 (A)

REPORTING DATE: 27.06.2017

NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED
V.P.O. BUDHEWAL, CHANDIGARH ROAD
LUDHIANA (PB).

SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/SM/06	Type of Sample:	Stack Air Emission
Date of Sample Collection:	23.06.2017	Point of Sampling:	From Port Hole on Stack
Date of Sample Received in Lab.:	24.06.2017	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/2017/06/54 (A)	Analysis Duration:	24.06.2017 to 26.06.2017
Nature of Sample:	Air Sample	Sample Collected By:	Deepak Sahni

TECHNICAL DATA

1.	Name of Plant/Section	DG Set (500 KVA) {S. No. KVO5003/0900086}
2.	Source of Emission	Burning of Fuel
3.	Type Of Fuel/Quantity	HSD @ 70 liter/hr.
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	4" (Top) ; 4" (Bottom)
6.	Height of Stack	15 feet from ground level
7.	Sampling Time	30 minutes
8.	Ambient Air Temperature	35°C
9.	Stack Air Temperature	168°C
10.	Velocity of Flue Gases	12.2 m/sec

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM) mg/Nm ³	37.3	75	IS:11255, (P-1), 1988, (RA-2009)
Nitrogen Dioxide (NO ₂) mg/Nm ³	296.0	1458	IS:11255, (P-7), 2005, (RA-2012)
Carbon Monoxide(CO) mg/Nm ³	39.0	150	IS: 5182 (P-10), 1999, (RA-2009)

(Chemist In-Charge)

Date: 27/06/2017.

(Authorized Sign.)

Date: 27/6/17

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TEST CERTIFICATE

REPORT NO: ARL/2017/06/02(N)

REPORTING DATE: 27.06.2017

NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED
V.P.O. BUDHEWAL, CHANDIGARH ROAD
LUDHIANA (PB).

SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/NM/08	Type of Sample:	Air Quality w.r.t Noise
Date of Monitoring.:	23.06.2017	Sampling Location:	1.0 meter from Canopy
Sample Identification No.:	CPTL/2017/06/18 (N)	Environmental Conditions:	Normal
Nature of Sample:	Noise Level	Monitoring Done By:	Deepak Sahni

TECHNICAL DATA

1.	Source of Noise Pollution	DG Set
2.	Make of D.G. Set	Kirloskar
3.	Capacity of D.G. Set	500 KVA
4.	S. No. of D. G. Set	KVO5003/0900086
5.	Date of Manufacturing of D.G. Set	06/2009
6.	Date of Installation of D.G. Set	2010

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Canopy Door Open	98.4 dB(A)	--	CPCB/OSHA
Canopy Door Close	73.3 dB(A)	Max. 75 dB (A)	CPCB/OSHA
Insertion loss	25.1 dB(A)	Minimum 25 dB(A)	--

(Chemist In-Charge)

Date: 27/06/2017.

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V.P.O. BUDHEWAL, CHANDIGARH ROAD
LUDHIANA (PB).

SAMPLE PARTICULARS

Sampling Plan Ref. No.:	CPTL/AAM/06	Type of Sample:	Air Quality
Period of Sampling.:	23-06-2017	Point of Sampling:	Near Main Gate
Date of Sample Received in Lab.:	24-06-2017	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/2017/06/55(A)	Analysis Duration:	24-06-2017 to 26-06-2017
Nature of Sample:	Ambient Air	Sample Collected By:	Deepak Sahni

TECHNICAL DATA

1.	Location of sampling station	Near Main gate
2.	Instrument used for sampling	RDS & FPS
3.	Flow rate of sampling for PM ₁₀	1.20 m ³ /min
4.	Flow rate of sampling for PM _{2.5}	1.0 m ³ /hour
5.	Flow rate of sampling for Gases	1.0 LPM
6.	Time period for sampling	480 minutes

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD AS PER NAAQS NOTIFICATION, 18TH NOVEMBER, 2009</u>	<u>TEST METHOD</u>
Particulate Matter (PM ₁₀), µg/m ³	81.8	100	IS 5182 (P-23): 2006, (RA - 2012)
Particulate Matter (PM _{2.5}), µg/m ³	38.7	60	SP 61 Issue Date-04-08-2012
Sulphur dioxide (SO ₂), µg/m ³	11.1	80	IS 5182 (P-2): 2001, (RA-2012)
Nitrogen Dioxide (NO ₂), µg/m ³	26.2	80	IS 5182 (P-6): 2006, (RA - 2012)
Carbon monoxide (CO), mg/m ³	0.42	4	IS 5182 (P-10): 1999, (RA - 2009)

(Chemist In-Charge)

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(Authorized Sign.)

Date: 27/6/17

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Quality Manager
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V.P.O. BUDHEWAL, CHANDIGARH ROAD,
LUDHIANA.

SAMPLE PARTICULARS

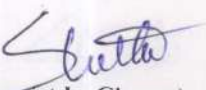
Date of Sample Collection	23.06.2017
Sample Received in Lab	23.06.2017
Type of Sample	Drinking water
Point of Sample Collection	From Tap (Canteen Area)
Environmental Conditions	Normal
Quantity & Packaging	2.0 liters in plastic bottle
Sample Identification No.	CPTL/2017/06/28(W)
Analysis Duration	23.06.2017 to 27.06.2017
Date of Reporting	27.06.2017
Sample Collected By	Deepak Sahni
Visual Observation	Clear & colorless.

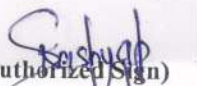
TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.32	6.5-8.5	No relaxation	APHA-4500-H ⁺ B, 22 nd Edition- 2012.
2.	Color, HU	<5	5	15	APHA-2120 B, 22 nd Edition-2012.
3.	Odour	Agreeable	Agreeable	Agreeable	APHA-2150 B, 22 nd Edition-2012.
4.	Turbidity, NTU	<1	1 Max.	5	APHA-2130 B, 22 nd Edition -2012.
5.	Total Dissolved Solids, mg/l	275.0	500 Max.	2000	APHA-2540 C, 22 nd Edition -2012.
6.	Total Hardness (as CaCO ₃), mg/l	215.6	200 Max.	600	APHA-2340 C, 22 nd Edition-2012.
7.	Calcium (as Ca ⁺⁺), mg/l	43.9	75 Max.	200	APHA-3500 Ca B, 22 nd Edition -2012.
8.	Magnesium (as Mg ⁺⁺), mg/l	25.4	30 Max.	100	APHA-2340 B, 22 nd Edition -2012.
9.	Total Alkalinity (as CaCO ₃), mg/l	241.9	200 Max.	600	APHA-2320 B, 22 nd Edition-2012.
10.	Chloride (as Cl), mg/l	6.96	250 Max.	1000	APHA-4500 Cl ⁻ B, 22 nd Edition -2012.
11.	Sulphate (as SO ₄), mg/l	11.2	200 Max.	400	APHA-4500 E, 22 nd Edition-2012.
12.	Iron (as Fe), mg/l	ND	0.3 Max.	No relaxation	IS: 3025(Part-53), 2003 & C/1, 10 Phenanthroline Method.
13.	Zinc (as Zn), mg/l	ND	5 Max.	15	APHA-3030 D, 22 nd Edition -2012.
14.	Nitrate (as NO ₃), mg/l	ND	45 Max.	No relaxation	IS: 3025(Part-34), 1988, RA 2003.
15.	Total Chromium (as Cr), mg/l	ND	0.05 Max.	No relaxation	APHA-3111 B, 22 nd Edition -2012.
16.	Manganese (as Mn), mg/l	ND	0.1 Max.	0.3	APHA-3030D & 3111B, 22 nd Edition-2012.

Sample Received in Lab	23.06.2017
Type of Sample	Drinking water
Sample Identification No.	CPTL/2017/06/28(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
17.	Lead (as Pb), mg/l	ND	0.01 Max.	No relaxation	APHA-3030D & 3111B, 22 nd Edition-2012.
18.	Copper (as Cu), mg/l	ND	0.05 Max.	1.5	APHA-3111B, 22 nd Edition -2012.
19.	Arsenic (as As), mg/l	ND	0.01 Max.	0.05	APHA-3500 B, 22 nd Edition-2012.
20.	Aluminium (as Al), mg/l	ND	0.03 Max.	0.2	APHA-3500 Al-B, 22 nd Edition-2012.
21.	Mercury (as Hg), mg/l	ND	0.001 Max.	No relaxation	APHA-3500 Hg-B, 22 nd Edition-2012.
22.	Boron (as B), mg/l	ND	0.5 Max.	1.0	APHA-4500B C, 22 nd Edition-2012.
23.	Cadmium (as Cd), mg/l	ND	0.003 Max.	No relaxation	APHA-3030D & 3111B, 22 nd Edition -2012.
24.	Selenium (as Se), mg/l	ND	0.01 Max.	No relaxation	APHA-3500 Se-A, 22 nd Edition-2012.
25.	Fluoride (as F), mg/l	ND	1.0 Max.	1.5	APHA 4500 F- D, 22 nd Edition 2012 SPANDS Method.
26.	Residual Chlorine (as Cl ₂), mg/l	ND	0.2 Max.	1	APHA-4500 Cl B, 22 nd Edition-2012.


(Chemist In-Charge)
Date: 27/06/2017.


(Authorized Sign)
Date: 27/06/17
Sheetal Kashyap
Quality Manager

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TEST CERTIFICATE

NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED,
V.P.O. BUDHEWAL, CHANDIGARH ROAD,
LUDHIANA.

SAMPLE PARTICULARS

Date of Sample Collection	23.06.2017
Sample Received in Lab	23.06.2017
Type of Sample	Drinking water
Point of Sample Collection	From Tap (Canteen Area)
Environmental Conditions	Normal
Quantity & Packaging	250ml in sterilized glass bottle
Sample Identification No.	CPTL/2017/06/28m(W)
Analysis Duration	23.06.2017 to 27.06.2017
Date of Reporting	27.06.2017
Sample Collected By	Deepak Sahni
Visual Observation	Clear & colorless.

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	E.Coli, MPN/100ml	Absent	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622-1981 ,MPN Method.
2.	Total Coliform, MPN/100ml	<2	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622-1981 ,MPN Method.

S. K. Sultana
(Chemist In-Charge)
Date: 27/06/2017.

Sheetal Kashyap
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Sheetal Kashyap
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