

# Allied Recycling Ltd.

Manufacturers of :  
ALLOY & NON ALLOY STEEL BILLETS,  
WIRE ROD & ROUND  
CIN : U27100PB2003PLC026583



Director (S),  
Govt. of India, MOEF&CC,  
Northern Regional Office,  
Bays No. 24-25,  
Sector-31, Chandigarh.160030

**Subject: Half yearly Compliance Report in respect of "Allied Recycling Limited"  
Village Budhewal, Tehsil Kum Kalan, Ludhiana for period December  
2016.**

Dear Sir,

This is in reference to the requirement stated in Environmental Clearance granted by the Expert Appraisal Committee-I, Ministry of Environment Forests & Climate Change, Government of India New Delhi vide their letter No. **J-11011/40/2013-IA-II(I) Dated 22/06/2015.**

As per general condition no. xi & xii of the Environment Clearance for our aforesaid project, we are herewith submitting the half yearly report for the period ending December, 2016.

This is for your kind information, please.

Thanking you.

Yours truly,  
For Allied Recycling Ltd.,

*Hitesh Abrol*  
(Hitesh Abrol)  
Director  
14/12/2016

Name —  
Desi —  
Mobile No —  
email id =

Northern Regional Office  
Ministry of Environment & Forests  
Bays No. 24-25, Dakshin Marg  
Sector 31-A, Chandigarh

*3/11/17*

**TEST CERTIFICATE**

REPORT NO: AR/2016/11/02 (A)

REPORTING DATE: 26.11.2016

NAME OF INDUSTRY: M/s ALLIED RECYCLING LIMITED,  
VPO – BUDHEWAL, CHANDIGARH ROAD,  
DISTRICT – LUDHIANA.

**SAMPLE PARTICULARS**

Sampling Plan Ref. No.:	CPTL/AAM/06	Type of Sample:	Air Quality
Date of Sampling.:	21-11-2016	Location of Sampling Station:	Near Main Gate
Date of Sample Collection.:	22-11-2016	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/PB/EC/2016/11/ 05 (A)	Analysis Duration:	22-11-2016 to 26-11-2016
Nature of Sample:	Ambient Air	Sample Collected By:	Sandeep Singh

**TECHNICAL DATA**

1.	Location of sampling station	Near Main Gate
2.	Instrument used for sampling	RDS & FPS
3.	Flow rate of sampling for PM <sub>10</sub>	1.17 m <sup>3</sup> /min
4.	Flow rate of sampling for PM <sub>2.5</sub>	1.0 m <sup>3</sup> /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, 18<sup>TH</sup> NOVEMBER, 2009</u>	<u>TEST METHOD</u>
Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	75.9	100	IS 5182 (P-23): 2006, (RA – 2012)
Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	37.5	60	SP 61 Issue Date-04-08-2012
Sulphur dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	8.9	80	IS 5182 (P-2): 2001, (RA-2012)
Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	24.9	80	IS 5182 (P-6): 2006, (RA – 2012)
Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	ND	400	Indophenol Method, CPCB Guidelines (Vol. 1)
Ozone (O <sub>3</sub> ), µg/m <sup>3</sup>	36.0	100	IS 5182 (P-9): 1974, (RA – 2012)
Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>	ND	05	IS 5182 (P-11): 2006
Benzo (a) Pyrene (BaP), ng/m <sup>3</sup>	ND	01	IS 5182 (P-12): 2004
Carbon monoxide (CO), mg/m <sup>3</sup>	0.81	4	IS 5182 (Part-10): 1999, (RA – 2009)
Lead (Pb), µg/m <sup>3</sup>	ND	1.0	IS 5182 (Part-22): 2004
Nickel (Ni), ng/m <sup>3</sup>	ND	20	IS 5182 (Part-22): 2004
Arsenic (As), ng/m <sup>3</sup>	ND	06	IS 5182 (Part-22): 2004

*S. S. S. S.*  
(Chemist In-Charge)  
Date: 26/11/2016

*S. S. S. S.*  
(Authorized Sign)  
Date: 26/11/2016

- The results are related to test items only.
- This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.
- Sample will be destroyed after retention time unless otherwise specified.

**TEST CERTIFICATE**

REPORT NO: AR/2016/11/04 (A)

REPORTING DATE: 24.11.2016

NAME OF INDUSTRY: M/s ALLIED RECYCLING LIMITED,  
VPO – BUDHEWAL, CHANDIGARH ROAD,  
DISTRICT – LUDHIANA.


**SAMPLE PARTICULARS**


Sampling Plan Ref. No.:	CPTL/SM/06	Type of Sample:	Stack Air Emission
Date of Sample Collection:	21-11-2016	Point of Sampling:	From Port Hole on Stack
Date of Sample Received in Lab.:	22-11-2016	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/PB/EC/2016/11/07(A)	Analysis Duration:	22-11-2016 to 23-11-2016
Nature of Sample:	Air Sample	Sample Collected By:	Sandeep Singh

**TECHNICAL DATA**

1.	Name of Plant/Section	Stack attached to Induction Furnace 'C' {Capacity – 5TPH}
2.	Source of Emission	Operation of Induction furnace
3.	Type Of Fuel/Quantity	Electricity
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	0.81m (Top) ; 1.52 m (Bottom)
6.	Height of Stack	26 meter from ground level
7.	Sampling Time	40 minutes
8.	Ambient Air Temperature	26°C
9.	Stack Air Temperature	89°C
10.	Velocity of Flue Gases	10.79 m/sec
11.	APCD	Bag Filter

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD</u>	<u>TEST METHOD</u>
Particulate Matter (PM)	95.2 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>	IS:11255,(Part-1),1988, (RA - 2009)

  
(Chemist In-Charge)  
Date: 24/11/2016

  
(Authorized Sign.)  
Date: 24/11/2016

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**TEST CERTIFICATE**

REPORT NO: AR/2016/11/05 (A)

REPORTING DATE: 24.11.2016

NAME OF INDUSTRY: M/s ALLIED RECYCLING LIMITED,  
VPO – BUDHEWAL, CHANDIGARH ROAD,  
DISTRICT – LUDHIANA.

**SAMPLE PARTICULARS**

Sampling Plan Ref. No.:	CPTL/SM/06	Type of Sample:	Stack Air Emission
Date of Sample Collection:	21-11-2016	Point of Sampling:	From Port Hole on Stack
Date of Sample Received in Lab.:	22-11-2016	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/PB/EC/2016/11/08 (A)	Analysis Duration:	22-11-2016 to 23-11-2016
Nature of Sample:	Air Sample	Sample Collected By:	Sandeep Singh

**TECHNICAL DATA**

1.	Name of Plant/Section	Stack attached to Induction Furnace 'A' {Capacity – 5 TPH}
2.	Source of Emission	Operation of Induction furnace
3.	Type Of Fuel/Quantity	Electricity
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	0.5 m (Top) ; 1.5 m (Bottom)
6.	Height of Stack	22 meter from ground level
7.	Sampling Time	40 minutes
8.	Ambient Air Temperature	26°C
9.	Stack Air Temperature	96°C
10.	Velocity of Flue Gases	10.49 m/sec
11.	APCD	Bag Filter

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM)	114.1 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>	IS:11255,(Part-1),1988, (RA - 2009)

*[Signature]*  
(Chemist In-Charge)  
Date: 24/11/2016

*[Signature]*  
(Authorized Sign)  
Date: 24/11/2016

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**TEST CERTIFICATE**

REPORT NO: AR/2016/11/01(AN)

REPORTING DATE: 24.11.2016


NAME OF INDUSTRY: M/s ALLIED RECYCLING LIMITED,  
VPO- BUDHEWAL, CHANDIGARH ROAD,  
DISTRICT- LUDHIANA.

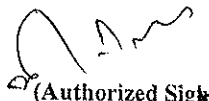
**SAMPLE PARTICULARS**

Sampling Plan Ref. No:	CPTL/NM/08	Type of Sample:	Air Quality w.r.t Noise
Date of Monitoring:	21-11-2016	Sampling Location:	Project Site
Sample Identification No:	CPTL/PB/EC/2016/11/08 (AN)	Environmental Conditions:	Normal
Nature of Sample:	Noise Level	Monitoring Done By:	Sandeep Singh

**TECHNICAL DATA**

S. No.	Sub Locations (Industrial Area)	Value in dB(A) (Average)		Test Method
		Day Time (1 Hour)	Night Time (1 Hour)	
01.	North Side	70.8	50.0	CPCB/OSHA
02.	South Side	69.1	58.4	CPCB/OSHA
03.	East Side	68.2	60.1	CPCB/OSHA
04.	West Side	72.4	62.4	CPCB/OSHA
Prescribed Standard		75	70	--

  
(Chemist In-Charge)  
Date: 24/11/2016

  
(Authorized Sign)  
Date: 24/11/2016

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### TEST CERTIFICATE

**NAME OF INDUSTRY: M/s. ALLIED RECYCLING LIMITED,  
VPO-BUDHEWAL, CHANDIGARH ROAD,  
DISTRICT-LUDHIANA.**

#### SAMPLE PARTICULARS

Date of Sample Collection	21.11.2016
Sample Received in Lab	21.11.2016
Type of Sample	Ground water (Grab)
Point of Sample Collection	Tubewell (Depth-250 feet)
Environmental Conditions	Normal
Quantity & Packaging	2.0 liters in plastic bottle & 250ml in sterilized glass bottle
Sample Identification No.	CPTL <sub>(EC)</sub> /2016/11/219 (a) (W)
Analysis Duration	21.11.2016 to 26.11.2016
Date of Reporting	26.11.2016
Sample Collected By	Sandeep Singh
Visual Observation	Clear & colourless.

#### TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.30	6.5-8.5	No relaxation	APHA-4500-H <sup>+</sup> B, 22 <sup>nd</sup> Edition-2012.
2.	Color, HU	<5	5	15	APHA-2120 B, 22 <sup>nd</sup> Edition-2012.
3.	Odour	Agreeable	Agreeable	Agreeable	APHA-2150 B, 22 <sup>nd</sup> Edition-2012.
4.	Turbidity, NTU	<1	1 Max.	5	APHA-2130 B, 22 <sup>nd</sup> Edition -2012.
5.	Total Dissolved Solids, mg/l	317	500 Max.	2000	APHA-2540 C, 22 <sup>nd</sup> Edition -2012.
6.	Total Hardness (as CaCO <sub>3</sub> ), mg/l	163.3	200 Max.	600	APHA-2340 C, 22 <sup>nd</sup> Edition-2012.
7.	Calcium (as Ca <sup>++</sup> ), mg/l	43.5	75 Max.	200	APHA-3500 Ca B, 22 <sup>nd</sup> Edition -2012.
8.	Magnesium (as Mg <sup>++</sup> ), mg/l	13.0	30 Max.	100	APHA-2340 B, 22 <sup>nd</sup> Edition -2012.
9.	Sodium (as Na), mg/l	24.3	---	---	APHA 3500 Na, 22 <sup>nd</sup> Edition-2012
10.	Chloride (as Cl), mg/l	40.3	250 Max.	1000	APHA-4500 Cl <sup>-</sup> B, 22 <sup>nd</sup> Edition -2012.
11.	Sulphate (as SO <sub>4</sub> ), mg/l	29.9	200 Max.	400	APHA-4500 E, 22 <sup>nd</sup> Edition-2012.
12.	Iron (as Fe), mg/l	0.09	0.3 Max.	No relaxation	IS: 3025(Part-53), 2003 & C/1, 10 Phenanthroline Method.
13.	Chromium ( as Cr), mg/l	ND	0.05 Max.	No relaxation	APHA-3111 B, 22 <sup>nd</sup> Edition -2012.
14.	Lead (as Pb), mg/l	ND	0.01 Max.	No relaxation	APHA-3030D & 3111B, 22 <sup>nd</sup> Edition-2012.
15.	Arsenic (as As), mg/l	ND	0.01 Max.	0.05	APHA-3500 B, 22 <sup>nd</sup> Edition-2012.

Sample Received in Lab	21.11.2016
Type of Sample	Ground water (Grab)
Sample Identification No.	CPTL <sub>(EC)</sub> /2016/11/219 (a) (W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
16.	Cadmium (as Cd), mg/l	ND	0.003 Max.	No relaxation	APHA-3030D & 3111B, 22 <sup>nd</sup> Edition - 2012.
17.	Fluoride (as F ), mg/l	ND	1.0 Max.	1.5	APHA 4500 F-D, 22 <sup>nd</sup> Edition 2012 SPANDS Method.
18.	Residual Chlorine (as Cl <sub>2</sub> ), mg/l	ND	0.2 Max.	1	APHA-4500 Cl B, 22 <sup>nd</sup> Edition-2012.
19.	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.
20.	Total Coliform, 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.

*Kashyap*  
(Chemist-in-Charge)  
Date: 26/11/16

*[Signature]*  
(Authorized Sign)  
Date: 28/11/2016

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