

॥ राम ॥

# Allied Recycling Ltd.

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



Received  
04/7/16

प्राप्त किया/Received  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Min. of Environment, Forests & Climate Change  
उत्तर क्षेत्रीय कार्यालय/Northern Regional Office

June 22, 2016

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

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

Sir,

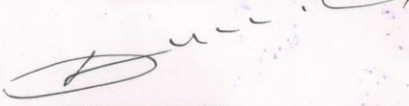
This is in reference to the requirement stated in Environmental Clearance granted by the Expert Appraisal Committee-I, Ministry of Environment Forests & Climate Change, Government of India New Delhi vide their letter No. **J-11011/40/2013-IA-II(I) Dated 22/06/2015.**

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

We are also submitting the analysis report of Stack Emission, Ambient Air and Noise monitoring.

Thanking you.

**Yours truly,  
For Allied Recycling Ltd.,**

  
**(Vijay Abrol)  
Managing Director**

1

Director (S),  
Govt. of India, MOEF,  
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  
2015.**

**Ref : Fib No. 5-729/2014-RO(NZ)/848 dated 27/05/2016 and Fib No. 5-729/2014-  
RO(NZ)/1165 dated 28/08/2015**

Sir,

This is in reference to your letter no. 5-729/2014-RO(NZ) 1165 dated 28/08/2015 regarding Environmental Clearance granted by Ministry of Environment & Forests, Government of India New Delhi vide their letter No. **J-11011/40/2013-IA-II(I) Dated 22/06/2015.**

Accordingly, we are sending the information desired by you.

Thanking you.

**Yours truly,  
For Allied Recycling Ltd.,**

**(Authorized Signatory)  
04/07/2016**

S. No.	Name of Project	<b>M/S Allied Recycling Limited</b>
1	Project In charge & Address	<b>Mr. Vijay Abrol (Managing Director) Village Budhewal, Tehsil Kum Kalan, Ludhiana Mobile No.- 09914200019 Telephone-01613230519 Fax-01613230519 Email:alliedrecyclinglimited@gmail.com</b>
2	Current status of the construction / establishment work.	<b>100% construction works of expansion has been completed</b>
3	Location of Project	<b>Village Budhewal, Tehsil Kum Kalan, Ludhiana</b>
4	Current status point wise Compliance of stipulated Environmental condition / safeguards.	<b>Copy attached as annexure-I</b>
5	The area of forest land to be diverted for passage or other purpose in your project and latest status of approval from MOE & F as per forest (conservation Act, 1980.	<b>No. The unit does not fall in any notified reserved forest area.</b>
6	A copy of Application Form and subsequent information submitted to the Ministry for seeking E.C.	<b>Already submitted.</b>
7	A copy of DPR/EIA/Risk analysis report etc. submitted to MOEF&CC New Delhi.	<b>Already submitted.</b>
8	Copy of advertisement given in news papers about the E.C.	<b>Already submitted</b>
9	Duly Filled data-sheet. (Copy enclosed)	<b>Copy enclosed as annexure-II</b>

**COMPLIANCE OF STIPULATED  
ENVIRONMENTAL CONDITION / SAFEGUARDS**

Sr. No.	Compliance Description	Remarks
<b>PART-A- SPECIFIC CONDITIONS :</b>		
i.	The project proponent should install 24 x 7 air monitoring devices to monitor air emission as provided by CPCB and submit report to Ministry and its Regional Office.	Agreed & complied
ii.	Measures shall be taken to reduce PM levels in the ambient air. Stack of adequate height & diameter with continuous stack monitoring facilities for all the stacks, shall be provided and sufficient air pollution control devices viz. Electrostatic precipitator (ESP), bag house, bag filters etc. shall be provided to keep the emission levels within prescribed standards and installing energy efficient technologies.	Agreed and high efficiency (Bag Filter) Air Pollution Control Device has been provided to control PM level.
iii.	Efforts shall further be made to use rainwater from the rainwater harvesting sources. Capacity of the reservoir shall be enhanced, if required, to meet the maximum water requirement. The Plant shall operate on a zero discharge concept.	Agreed and 3 No. RWH pits have already been provided
iv.	Provision shall be made for the housing for the construction labour within the site with all necessary infrastructure and facilities such as fuel for cooking, mobile toilets, safe drinking water, medical health care, crèche etc. The housing may be in the form of temporary structure to be removed after the completion of the project. All the construction wastes shall be managed so that there is no impact on the surrounding environment.	No requirement of housing colony in the Industry for worker because local workers are available.
v.	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent amendment in 2003 and 2010. All the fly ash shall be provided to cement and brick manufacturers for further utilization. Bottom ash shall be fully utilized for road construction. Details of Memorandum of Understanding entered shall be submitted to the Ministry's	Agreed & complied

	Regional Office at Bhubaneswar.	
vi.	Hazardous materials such as lubricating oil, compressed gases, paints and varnishes required during construction phase shall be stored properly as per the regulations at isolated places and used/ recycled as per the E (P) A Rules, 1986.	Agreed and complied as per norms of hazardous waste.
vii.	All vehicles and construction machinery are properly maintained to minimize the exhaust emission as well as noise generation to meet prescribed standards.	Agreed & complied
viii.	Green belt consisting of a 3-tier plantation of trees with thick canopy, shall be developed all along the periphery of the plant, vacant areas, transfer points etc. as part of 33% of total plant area.	Agreed
ix.	Noise level shall be reduced by stopping leakages from various steam lines, compressed air lines and other high pressure equipment; and provide noise proof cabins to operators where remote control for operating noise generating equipment is feasible	Agreed & complied
x.	Disaster management plan shall be prepared and implemented. Regular drills thereof shall be conducted.	Agreed
xi.	All the commitments made to the public during public hearing/ public consultation shall be satisfactorily implemented and adequate budget provision shall be made accordingly.	Agreed and complied
xii.	Company shall develop an HSE Policy. All the permanent workers shall be covered under ESI Scheme. The Company shall have the provision for treatment of its workers at the local Nursing Homes & Hospitals in case of emergency. Annual Medical Check-up on some medical parameters like Blood Test, Chest X-Ray, Eye Test, Audiometry, Spirometry etc. shall be conducted amongst the employees of the Company and records maintained thereof.	Agreed and being complied
xiii.	At least 2.5% of the total cost of the project shall be earmarked towards the Enterprise Social Commitment (ESC) based on local needs. The proponent shall prepare a detailed CSR Plan for every	Agreed

	<p>next 5 years for the existing-cum-expansion project, which includes village-wise, sector-wise (Health, Education, Sanitation, Health, Skill Development and infrastructure requirements such as strengthening of village roads, avenue plantation etc.) activities in consultation with the local communities and administration. The CSR Plan will include the amount of 2% retain annual profits as provided for in Clause-135 of the Companies Act, 2013 which provides for 2% of the average net profits of previous 3 years towards CSR activities for life of the project. A separate budget head shall be created and the annual capital and revenue expenditure on various activities of the Plan shall be submitted as part of the Compliance Report to R.O., Bangalore. The details of the CSR Plan shall also be uploaded on the Company website and shall also be provided in the Annual Report of the Company.</p>	
<b>Part-B- GENERAL CONDITIONS :</b>		
i.	The project authorities must strictly adhere to the stipulations made by the Punjab Pollution Control Board and the State Government.	Noted
ii.	No further expansion or modifications in the plant shall be carried out without prior approval of the Ministry of Environment, Forests and Climate Change (MOEFCC).	Agreed & noted
iii.	At least four ambient air quality monitoring stations should be established in the downward direction as well as where maximum ground level concentration of PM <sub>10</sub> , PM <sub>25</sub> , SO <sub>2</sub> and NO <sub>x</sub> are anticipated in consultation with the SPCB. Data on ambient air quality and stack emission shall be regularly submitted to this Ministry including its Regional Office at Chandigarh and the SPCB/ CPCB once in six months.	Agreed and an agreement has been made with private laboratory approved by MOEF&CC for monitoring.
iv.	Industrial wastewater shall be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19th May,1993 and 31st December,1993 or as amended from time to time. The treated wastewater shall be utilized for plantation	There is no generation of TE from process and Domestic effluent has treated by septic

	purpose.	tank.
v.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should conform to the standards prescribed under EPA Rules, 1989 viz. 75 dBA (day time) and 70 dBA (night time).	Agreed & complied.
vi.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Agreed and complied
vii.	The Company shall develop rain water harvesting structures to harvest the rain water for utilization in the lean season besides recharging the ground water table.	Agreed & complied
viii.	The project proponent shall also comply with all the environmental protection measures and safeguards recommended in the EIA/ EMP Report. Further, the Company must undertake socio-economic development activities in the surrounding villages like community development programmes, educational programmes, drinking water supply and health care etc.	Agreed and complied
ix.	Requisite funds shall be earmarked towards capital cost and recurring cost/ annum for environment pollution control measures to implement the conditions stipulated by the Ministry of Environment, Forests and Climate Change (MOEFCC) as well as the State Government. An implementation schedule for implementing all the conditions stipulated herein, shall be submitted to the Regional Office of the Ministry at Chandigarh . The funds so provided shall not be diverted for any other purpose.	Agreed & funds are earmarked for pollution control measures.
x.	A copy of clearance letter shall be sent by the proponent to concerned Panchayat, Zila Parishad/ Municipal Corporation, Urban Local Body and the local NGO, if any from whom suggestions/ representations, if any, were received while processing the proposal. The clearance letter shall also be put on the web site of the Company by the proponent.	Agreed and complied

xi.	The project proponent shall upload the status of compliance of the stipulated environment clearance conditions, including results of monitored data on their website and shall update the same periodically. It shall simultaneously be sent to the Regional Office of the MOEFCC at Chandigarh. The respective Zonal Office of CPCB and the SPCB. The criteria pollutant levels namely; PM <sub>10</sub> ,SO <sub>2</sub> and NO <sub>x</sub> (ambient levels as well as stack emissions) or critical sectoral parameters, indicated for the projects shall be monitored and displayed at a convenient location near the main gate of the Company in the public domain.	Agreed and uploaded
xii.	The project proponent shall also submit six monthly reports on the status of the compliance of the stipulated environmental conditions including results of monitored data (both in hard copies as well as by e-mail) to the Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB. The Regional Office of this Ministry at Chandigarh/ CPCB/ SPCB shall monitor the stipulated conditions.	Agreed and will be complied as per scheduled.
xiii.	The environmental statement for each financial year ending 31st March in Form-V as is mandated to be submitted by the project proponent to the concerned State Pollution Control Board as prescribed under the Environment (Protection) Rules, 1986, as amended subsequently, shall also be put on the website of the Company along with the status of compliance of environmental conditions and shall also be sent to the respective Regional Office of the MOEFCC at Chandigarh by e-mail.	Agreed
xiv.	The project proponent shall inform the public that the project has been accorded environmental clearance by the Ministry and copies of the clearance letter are available with the SPCB and may also be seen at Website of the Ministry of Environment, Forests and Climate Change (MOEFCC) at <a href="http://envfor.nic.in">http:// envfor.nic.in</a> . This shall be advertised within seven days from the date of issue of the clearance letter , at least in two local newspapers that are widely	Agreed and complied



	circulated in the region of which one shall be in the vernacular language of the locality concerned and a copy of the same should be forwarded to the Regional Office at Chandigarh.	
xv.	Project authorities shall inform the Regional Office as well as the Ministry, the date of financial closure and final approval of the project by the concerned authorities and the date of commencing the land development work.	Agreed

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**DATA SHEET  
(ALLIED RECYCLING LIMITED)**

1	Project Type	<b>3a-c(ii) Non Toxic Capacity &gt; 30,000 MTA.</b>
2	Name of Project	<b>M/S Allied Recycling Limited</b>
3	Clearance letter No.	<b>J-11011/40/2013-IA-II(I) Dated 22/06/2015.</b>
4	Location: a) District (S) b) State (S) c) Latitudes d) Longitudes	<b>Ludhiana Punjab 30°53'18.24" North 76° 59'33.72" East</b>
5	Address for Correspondence	<b>Mr. Vijay Abrol (Managing Director) Village Budhewal, Tehsil Kum Kalan, Ludhiana Mobile No.- 09914200019 Telephone-01613230519 Fax-01613230519 Email:alliedrecyclinglimited@gmail.com</b>
6	Salient features: a) of project           b) of EMP	<p>The Industry now proposes to enhance the capacity of unit by Addition of Two No. Induction furnace of 8 TPH capacities each. It is about 18 Kms from Ludhiana bus stand and about 80 km from Chandigarh. The total area of the plot is about 5 acre. The capacity of the unit after expansion will be 1, 50,000 MTA Steel Ingots/Billets &amp; 1, 40,000 MTA steel rods. The raw materials used in the manufacturing of MS billets are MS Scrap, Sponge Iron and Ferro Alloys. The total water requirement of water after expansion will be 27KLD and source is ground water.</p> <b>48 Lacs</b>
7	Breakup of project Area a) Submerged area forest & non	<b>NIL</b>

	forest. b) Others	<b>41 kanal 3 marlas</b>
8	Breakup of project affected population with enumeration of those losing houses/dwelling units only, agriculture land only both dwelling units and agriculture land and landless laborers/artisans a) SC/ST/Adivasis b) others	<b>NA</b> <b>--</b>
9	Financial details a) Project cost as originally planed and subsequent revised estimates and the year of price rat reference. b) Allocation made for environmental management plans with item wise and year wise breakup. c) Benefit cost ratio/internal rate of return and year of assessment. d) Whether (c) includes the cost of environmental management as shown in b) above. e) Actual expenditure incurred on the project so far. f) Actual expenditure incurred on the EMP so far	<b>31.5 Crores</b> <b>48 Lacs</b> <b>----</b> <b>yes</b> <b>31 Crores</b> <b>45 Lacs</b>
10	Forest land requirement: a) The status of approval for diversion of forest land for non –forestry use. b) Status of clear felling c) The status of compensatory a forestation, if any. d) Comments on the viability & sustainability of compensatory a forestation programs in the light of actual field experience so far.	<b>NA</b> <b>NA</b> <b>NIL</b> <b>NIL</b>
11	The status of clear felling in non	<b>NIL</b>

	forest areas.	
12	Status of construction: a) Date of commencement b) Date of completion.	<b>June. 2015.</b> <b>August 2015.</b>
13	Reason for delay if any the projects yet to start.	<b>Project completed within proposed time.</b>

## ANALYSIS REPORT



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

Lab : E-126, Phase-VII, Indl. Area, Mohali-160055; ☎ : 0172-5090312; Telefax : 0172-4669295; E-mail : sital\_cptlmohali@yahoo.co.in, cptle126@gmail.com

MOEF & PPCB APPROVED, ISO 9001:2008  
ISO 18001:2007 ISO 14001:2004 CERTIFIED LABORATORY**TEST CERTIFICATE**

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

<b>Type of Sample</b>	Drinking Water(Grab)
<b>Quantity &amp; Packaging</b>	2litres + 250 ml Plastic Bottle and glass bottles
<b>Point of Sample Collection</b>	From bore well
<b>Date of Sample Collection</b>	22.06.2016
<b>Date of Sample Received in Lab</b>	23.06.2016
<b>Sample Identification No.</b>	CPTL/EC/2016/04(W)
<b>Analysis Duration</b>	23.06.2016 to 27-06-2016
<b>Date of Reporting</b>	28.06.2016
<b>Sample Collected By</b>	Chirag Jamwal
<b>Sampling Protocol</b>	IS: 3025 (P-1) 1987 R1998 Amdt-1
<b>Visual Observation</b>	Clear and Colorless

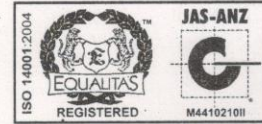
**TEST RESULTS**

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.19	6.5-8.5	No relaxation	APHA-4500H <sup>+</sup> B, 22 <sup>nd</sup> Edition
2.	Color, HU	<5	5	15	APHA-2020B, 22 <sup>nd</sup> Edition
3.	Odour	Agreeable	Agreeable	Agreeable	APHA-2150B, 22 <sup>nd</sup> Edition
4.	Turbidity, NTU	<1	1	5	APHA-2130B, 22 <sup>nd</sup> Edition
5.	Total Dissolved Solids, mg/l	298	500	1000	APHA-2540C, 22 <sup>nd</sup> Edition
6.	Total Hardness (as CaCO <sub>3</sub> ), mg/l	142	200	600	APHA-2340B, 22 <sup>nd</sup> Edition
7.	Calcium (as Ca <sup>++</sup> ), mg/l	41	75	200	APHA-3500B, 22 <sup>nd</sup> Edition
8.	Magnesium (as Mg <sup>++</sup> ), mg/l	12.5	30	100	APHA-2340B, 22 <sup>nd</sup> Edition
9.	Sodium (as Na <sup>+</sup> ), mg/l	29.5	---	---	APHA 3500 Na, 22 <sup>nd</sup> Edition
10.	Chloride (as Cl), mg/l	35.4	250	1000	APHA-4500B, 22 <sup>nd</sup> Edition
11.	Sulphate (as SO <sub>4</sub> ), mg/l	38.2	200	400	APHA-4500E, 22 <sup>nd</sup> Edition
12.	Iron (as Fe), mg/l	0.08	0.3	No relaxation	APHA-3111B, 22 <sup>nd</sup> Edition
13.	Chromium (as Cr), mg/l	ND	0.05	No relaxation	APHA-3113B, 22 <sup>nd</sup> Edition
14.	Lead (as Pb), mg/l	ND	0.01	No relaxation	APHA-3030D & 3111B, 22 <sup>nd</sup> Edition

Page 1 of 2



**CHANDIGARH POLLUTION  
TESTING LABORATORY**  
(EFFLUENTS, WATER & AIR)



H.O. : # 372, Sector 15-A, Chandigarh-160 015 ☎ : 0172 - 4669295  
Lab : E-126, Phase-VII, Indl. Area, Mohali-160055; ☎ : 0172-5090312; Telefax : 0172-4669295; E-mail : sital\_cptlmohali@yahoo.co.in, cptle126@gmail.com

Type of Sample	Drinking Water(Grab)
Date of Sample Received in Lab	23.06.2016
Sample Identification No.	CPTL/EC/2016/04(W)

15.	Arsenic (as As), mg/l	ND	0.01	0.05	APHA-3111B, 22 <sup>nd</sup> Edition
16.	Cadmium (as Cd), mg/l	ND	0.003	No relaxation	APHA-3500 CD-A, 22 <sup>nd</sup> Edition
17.	Fluoride,(as F ) mg/l	ND	1.0	1.5	APHA,SPANDS Method 4500-F'D
18.	Total Residual Chlorine, mg/l	ND	0.2	1	APHA-4500D, 22 <sup>nd</sup> Edition
19.	E.coli/ Coliforms/100 ml	Absent	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622-1981 ,MPN Method

*Rashyap*  
(Chemist In-Charge)  
Date: 28/6/16

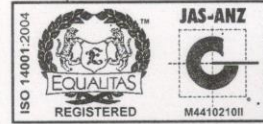
*[Signature]*  
(Authorized Sign.)  
Date: 28/6/16

- 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.





**CHANDIGARH POLLUTION  
TESTING LABORATORY**  
(EFFLUENTS, WATER & AIR)



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

Lab : E-126, Phase-VII, Indl. Area, Mohali-160055; ☎ : 0172-5090312; Telefax : 0172-4669295; E-mail : sital\_cptlmohali@yahoo.co.in, cptle126@gmail.com

MOEF & PPCB APPROVED, ISO 9001:2008  
ISO 18001:2007 ISO 14001:2004 CERTIFIED LABORATORY

**TEST CERTIFICATE**

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

**SAMPLE PARTICULARS**

<b>Type of Sample:</b>	Ambient Air
<b>Sampling Location</b>	Near Main Gate
<b>Time period for sampling</b>	480 Minutes
<b>Monitoring Period</b>	22.06.16
<b>Date of Reporting</b>	28.06.16
<b>Sample Identification no.</b>	CPTL/EC/2016/04(A)
<b>Sampling Protocol:</b>	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.
<b>Sample Collected By</b>	Chirag Jamwal

**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>	1.125 m <sup>3</sup> /minute
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

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD AS PER NOTIFICATION. 18<sup>TH</sup> NOVEMBER, 2009</u>	<u>TEST METHOD</u>
Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	85	100	IS: 5182, (P-23), 2006 (RA - 2012)
Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	47	60	IS: 5182, (P-23), 2006
Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	21.3	80	IS: 5182, (P-VI), 2006 (RA - 2012)
Sulphur dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	14.6	80	IS: 5182, (P-II), 2001, (RA-2012)
Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	ND	400	APHA Air
Ozone (O <sub>3</sub> ), µg/m <sup>3</sup>	36	100	APHA Air
Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>	ND	05	Gas Chromatography
Benzo (a) Pyrene (BaP), ng/m <sup>3</sup>	ND	01	IS: 5182, (P-12),
Carbon monoxide(CO),mg/m <sup>3</sup>	0.91	4	IS: 5182, (P-10),1999, R- 2006
Lead (Pb), µg/m <sup>3</sup>	ND	1.0	APHA Air
Nickel (Ni), ng/m <sup>3</sup>	ND	20	APHA Air
Arsenic (As),ng/m <sup>3</sup>	ND	06	APHA Air

(Chemist In-Charge)

Date:

28/06/16

(Authorized Sign.)

Date:

28/06/16

- 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**

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

**SAMPLE PARTICULARS**

<b>Type of Sample:</b>	Ambient Air
<b>Sampling Location</b>	Back side Boundary wall
<b>Time period for sampling</b>	480 Minutes
<b>Monitoring Period</b>	22.06.16
<b>Date of Reporting</b>	28.06.16
<b>Sample Identification no.</b>	CPTL/EC/2016/041A)
<b>Sampling Protocol:</b>	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.
<b>Sample Collected By</b>	Chirag Jamwal

**TECHNICAL DATA**

1.	Location of sampling station	Back side Boundary wall
2.	Instrument used for sampling	RDS & FPS
3.	Flow rate of sampling for PM <sub>10</sub>	1.125 m <sup>3</sup> /minute
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

<b>PARAMETERS</b>	<b>RESULTS</b>	<b>PRESCRIBED STANDARD AS PER NOTIFICATION, 18<sup>TH</sup> NOVEMBER, 2009</b>	<b>TEST METHOD</b>
Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	77	100	IS: 5182, (P-23), 2006 (RA - 2012)
Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	41.9	60	IS: 5182, (P-23), 2006
Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	19.2	80	IS: 5182, (P-VI), 2006 (RA - 2012)
Sulphur dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	10.1	80	IS: 5182, (P-II), 2001, (RA-2012)
Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	ND	400	APHA Air
Ozone (O <sub>3</sub> ), µg/m <sup>3</sup>	34	100	APHA Air
Benzene (C <sub>6</sub> H <sub>6</sub> ), µg/m <sup>3</sup>	ND	05	Gas Chromatography
Benzo (a) Pyrene (BaP), ng/m <sup>3</sup>	ND	01	IS: 5182, (P-12),
Carbon monoxide(CO),mg/m <sup>3</sup>	0.72	4	IS: 5182, (P-10),1999, R- 2006
Lead (Pb), µg/m <sup>3</sup>	ND	1.0	APHA Air
Nickel (Ni), ng/m <sup>3</sup>	ND	20	APHA Air
Arsenic (As),ng/m <sup>3</sup>	ND	06	APHA Air

(Chemist In-Charge)

Date: 28/6/16

(Authorized Sign.)

Date: 28/6/16

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- Sample will be destroyed after retention time unless otherwise specified.



**TEST CERTIFICATE**

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

**SAMPLE PARTICULARS**

<b>Type of Sample:</b>	Stack Air Emission
<b>Sampling Location</b>	From Port Hole On Stack
<b>Time period for sampling</b>	480 Minutes
<b>Monitoring Period</b>	22.06.16
<b>Date of Reporting</b>	28.06.16
<b>Sample Identification no.</b>	CPTL/EC/2016/04(CAS)
<b>Sampling Protocol:</b>	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.
<b>Sample Collected By</b>	Chirag Jamwal

**TECHNICAL DATA**

12. Name of Plant/Section	Stack attached to Induction Furnace 'B' {Capacity- 5TPH}
13. Source of Emission	Induction furnace
14. Type Of Fuel/Quantity	Electricity
15. Type-of stack	Round of MS
16. Location of Sampling Point	As per Standard
17. Diameter of Stack (de)	0.5m (Top) : 1.5m (Bottom)
18. Height of Stack	20 meter from ground level
19. Sampling Time	40 minutes
20. Ambient Air Temperature	24°C
21. Stack Air Temperature	85°C
22. Velocity of Flue Gases	10.16 m/sec

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD</u>	<u>TEST METHOD</u>
Particulate matter(PM)	110 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>	IS:11255,(part-1),1988,(RA-2009)

*Kashyap*  
(Chemist In-Charge)  
Date: 28/6/16

*[Signature]*  
(Authorized Sign.)  
Date: 28/6/16

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**CHANDIGARH POLLUTION  
TESTING LABORATORY**  
(EFFLUENTS, WATER & AIR)



H.O.: # 372, Sector 15-A, Chandigarh-160 015 ☎ : 0172 - 4669295  
Lab : E-126; Phase-VII, Indl. Area, Mohali-160055; ☎ : 0172-5090312; Telefax : 0172-4669295; E-mail : sital\_cptlmohali@yahoo.co.in, cpttle126@gmail.com

**TEST CERTIFICATE**

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

**SAMPLE PARTICULARS**

<b>Type of Sample:</b>	Noise Level Monitoring
<b>Monitoring Period</b>	22.06.16
<b>Date of Reporting</b>	28.06.16
<b>Sample Identification no.</b>	CPTL/EC/2016/ 04 (N)
<b>Sampling Protocol:</b>	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.
<b>Sample Collected By</b>	R.K.Mukherjee

S. No.	Location	Value in dB(A) Average (Hourly)		Test Method
		Day Time (6:00am to 10:00 pm)	Night Time (10:00pm to 6:00 pm)	
1.	Location-I	73.0	49.0	CPCB/OSHA
2.	Location-II	69.0	46.1	CPCB/OSHA
3.	Location-III	71.0	49.3	CPCB/OSHA
4.	Location-IV	70.0	47.0	CPCB/OSHA
5.	Location-V	68.0	53.0	CPCB/OSHA
<b>Prescribed Standard</b>		<b>75</b>	<b>70</b>	---

(Chemist In-Charge)  
Date: 28/06/16

(Authorized Sign.)  
Date: 28/06/16

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**TEST CERTIFICATE**

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

**SAMPLE PARTICULARS**

<b>Type of Sample:</b>	Stack Air Emission
<b>Sampling Location</b>	From Port Hole On Stack
<b>Time period for sampling</b>	480 Minutes
<b>Monitoring Period</b>	22.06.16
<b>Date of Reporting</b>	28.06.16
<b>Sample Identification no.</b>	CPTL/EC/2016/04 (AS)
<b>Sampling Protocol:</b>	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.
<b>Sample Collected By</b>	Chirag Jamwal

**TECHNICAL DATA**

23. Name of Plant/Section	Stack attached to Induction Furnace 'A' {Capacity- 5TPH}
24. Source of Emission	Induction furnace
25. Type Of Fuel/Quantity	Electricity
26. Type of stack	Round of MS
27. Location of Sampling Point	As per Standard
28. Diameter of Stack (de)	0.81m (Top) : 1.52m (Bottom)
29. Height of Stack	24 meter from ground level
30. Sampling Time	40 minutes
31. Ambient Air Temperature	24°C
32. Stack Air Temperature	85°C
33. Velocity of Flue Gases	9.65 m/sec

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD</u>	<u>TEST METHOD</u>
Particulate matter(PM)	92 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>	IS:11255,(part-1),1988,(RA-2009)

*Reddy*  
 (Chemist In-Charge)  
 Date: 28/6/16

*[Signature]*  
 (Authorized Sign.)  
 Date: 28/06/16

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**TEST CERTIFICATE**

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

**SAMPLE PARTICULARS**

Type of Sample:	Stack Air Emission
Sampling Location	From Port Hole On Stack
Time period for sampling	480 Minutes
Monitoring Period	22.06.16
Date of Reporting	28.06.16
Sample Identification no.	CPTL/EC/2016/04/AS)
Sampling Protocol:	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.
Sample Collected By	Chirag Jamwal

**TECHNICAL DATA**

1. Name of Plant/Section	Stack attached to Induction Furnace 'A' {Capacity- 5TPH}
2. Source of Emission	Induction furnace
3. Type Of Fuel/Quantity	Electricity
4. Type of stack	Round of MS
5. Location of Sampling Point	As per Standard
6. Diameter of Stack (de)	0.5m (Top) : 1.5m (Bottom)
7. Height of Stack	22 meter from ground level
8. Sampling Time	40 minutes
9. Ambient Air Temperature	24°C
10. Stack Air Temperature	85°C
11. Velocity of Flue Gases	9.85 m/sec

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD</u>	<u>TEST METHOD</u>
Particulate matter(PM)	117 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>	IS:11255,(part-1),1988,(RA-2009)

*Rachyap*  
(Chemist In-Charge)  
Date: 28/06/16

*[Signature]*  
(Authorized Sign.)  
Date: 28/06/2016

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