

# Allied Recycling Ltd.

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



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

Received  
14/12/15  
प्रप्त किया/Received  
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय  
Min. of Environment, Forests & Climate Change  
उत्तर क्षेत्रीय कार्यालय/Northern Regional Office  
चण्डीगढ़/Chandigarh

14/12/2015

**Sub: Half yearly Compliance Report in respect of "Allied Recycling Limited" Village Budhewal, Tehsil Kum Kalan, Ludhiana for period December 2015.**

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 December, 2015.

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

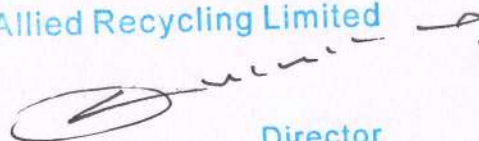
Thanking you.

Yours truly,  
For Allied Recycling Ltd.,

(Authorized Signatory)

S. No.	Name of Project	M/S Allied Recycling Limited
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	Duly Filled data-sheet. (Copy enclosed)	<b>Copy enclosed as annexure-II</b>

For Allied Recycling Limited



Director

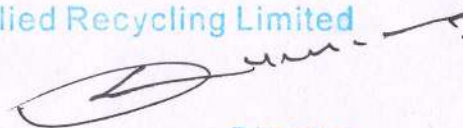


**COMPLIANCE OF STIPULATED  
ENVIRONMENTAL CONDITION / SAFEGUARDS**

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 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>	
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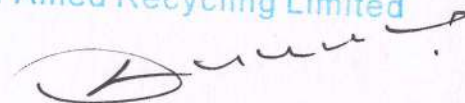
**Part-B- GENERAL CONDITIONS :**

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





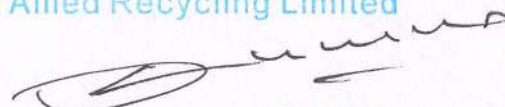
	purpose.	been passed through septic tank.
v.	The overall noise levels in and around the plant area shall be kept well within the standards (85 dBA) by providing noise control measures including acoustic hoods, silencers, enclosures etc. on all sources of noise generation. The ambient noise levels should 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	Agreed and complied





	the web site of the Company by the proponent.	
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 copy of analysis report enclosed.
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	Agreed and complied

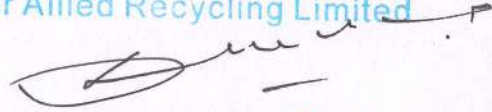
7 For Allied Recycling Limited

  
Director

	clearance letter , at least in two local newspapers that are widely 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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For Allied Recycling Limited

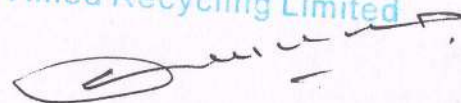


Director





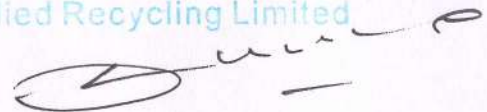
	forest. b) Others	<b>41 kanal 3 marlas</b>
8	Breakup of project affected population with enumeration of those losing houses/dwelling units only, agriculture land only both dwelling units and agriculture land and landless laborers/artisans a) SC/ST/Adivasis b) others	NA --
9	Financial details a) Project 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>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.	NA  NA  NIL  NIL
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>

For Allied Recycling Limited



Director



# PUNJAB POLLUTION CONTROL BOARD

Zonal Office-I, E-648-B, Phase-V, Focal Point, Ludhiana.

Ph./Fax No. 0161-2443280

E-mail address:ppcbzo1ldh@gmail.com

Web site: www.ppcb.gov.in

No. 5496.....

Dated 23/11/15


To

M/s Allied Recycling Limited,  
V.P.O. Budhewal, Chandigarh Road,  
Ludhiana.

**Subject:- Authorization under Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008**

Enclosed please find herewith 'Authorization No. HWM/LDH1/2015/2904931 dated 18.11.2015 which is valid upto 17.11.2020 granted by the Board online under the Hazardous Waste (Management, Handling & Transboundary Movement) Rules, 2008.

DA/As above.

  
Environmental Engineer

Endst. No.....

Dated.....

A copy of the above is forwarded to the Environmental Engineer, Punjab Pollution Control Board, Regional Office-1, Ludhiana for information please.

DA/As above.

Sd/-  
Environmental Engineer

For Allied Recycling Limited

  
Director





**PUNJAB POLLUTION CONTROL BOARD**  
Vatavaran Bhawan, Nabha Road, Patiala

No. HWM/LDH1/2015/2904931

Registered

Dated: 18/11/2015

To

Allied recycling limited  
Vpo: budhewal, chandigarh road  
Ludhiana east  
Tehsil :Ludhiana east  
District :Ludhiana i

**Subject :-** Authorization for operation of a facility for Collection, Storage, of hazardous wastes generated under Rule 5 of the Hazardous Waste (Management, Handling and Trans-boundary Movement) Rules, 2008 .

1.	(a)	Number of authorization	:	HWM/LDH1/2015/2904931
	(b)	Date of issue	:	18/11/2015
	(c)	Date of Expiry	:	17/11/2020
	(d)	Category and Quantity of Hazardous Wastes	:	5.1 Used/spent oil (Schedule I) @ 0.100 Liter/day ,0.036 KL/Year 34.1 Flue gas cleaning residue (Schedule I) @ 6 Kgs/day ,1800 Kg/Year
	(e)	Scale of Industry	:	Large

2. **Sh. Vijay Abrol** of M/S **Allied recycling limited** is hereby granted an authorization to operate a facility for Collection, Storage, of hazardous waste in the premises situated at **Vpo: budhewal, chandigarh road Ludhiana east Ludhiana i**
3. The industry shall apply for renewal of Authorization two months before the date of expiry of this authorization.
4. The industry will dispose off its hazardous waste to authorized recycler as per the Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.
5. **Special Conditions if any typed manually.**

For Allied Recycling Limited

Director



### Annexure-I

#### TERMS AND CONDITIONS OF AUTHORIZATION:

1. The authorized person shall comply with the provisions of the Environment(Protection) Act 1986 and the Rules made there under.
2. The authorization or the renewal shall be produced for inspection at the request of an officer authorized by the Board.
3. The person authorized shall not rent, lend, sell, dispose, transfer or transport the hazardous wastes to other place without obtaining the prior permission of the Board.
4. Any unauthorized change in personnel, equipment and working conditions as mentioned in the application by the person authorized shall constitute a breach of his authorization.
5. It is the duty of the authorized person to take prior permission of the State Pollution Control Board to close down the facility.
6. An application for the renewal of an Authorization shall be made as laid down under these Rules.
7. The occupier generating hazardous waste/operator of a facility for collection and storage of hazardous waste shall maintain records of such operations in Form-3.
8. The occupier/operator of a facility shall send annual returns to the Board in form-4 on or before 30th day of the june following to the financial year to which that return relates.
9. The Authorized person shall report, about the accident which occurs at the hazardous waste storage/treatment site immediately to the Board.
10. An occupier who is generating hazardous waste shall store his waste category wise on site in environmentally sound manner till its treatment.
11. An occupier /generator shall not store hazardous wastes in open ground. It must be stored in an isolated site away from plant operational area.
12. The storage tank/container of the hazardous wastes should be in good condition and made of (or lined with) an appropriate material which does not react with the waste contained in it and can withstand the physical and environment conditions during storage and handling.
13. The occupier generating hazardous waste shall mark each container holding hazardous waste with the marking "HAZARDOUS WASTE" both in English and Punjabi.
14. The storage area should be fenced properly and a sign Board indicating "DANGER" and 'HAZARDOUS WASTE' sign & nature of the waste shall be placed at storage site.
15. The occupier generating hazardous waste shall provide the required safety devices like safety mask, goggles, hand-gloves, gum boots etc to the workers for handling the hazardous waste. The occupier shall impart training to the personnel/workers for handling and storage of hazardous wastes.
16. There should be sufficient & efficient provisions to avoid under ground water contamination from waste storage of hazardous wastes.
17. The occupier shall be responsible for any damage of life/or property during storage of his waste and will obtain Public Liability Insurance, wherever applicable .
18. The occupier and operator of a facility also be liable to reinstate or restore damaged or destroyed elements of the environment at his cost, failing which the occupier or the operator of a facility, as the case may be, shall be liable to pay the entire cost of remediation or restoration and pay in advance an amount equal to the cost estimated by the State Pollution Control Board.
19. The industry shall take steps wherever feasible, for reduction in hazardous waste generated or recycled or reused.

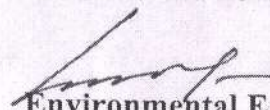
For Allied Recycling Limited



20. The industry shall display on line data outside the main factory gate on display Board of size (6ft.\* 4ft.) on quantity and nature of hazardous chemicals being used in the plant, water & Air emissions and hazardous waste generated within factory premises.
21. The industry shall handle the hazardous waste strictly in accordance with the provisions of Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 and guidelines issued by Central Pollution Control Board/Ministry of Environment & Forests, New Delhi.
22. Non compatible hazardous waste and material shall not be mixed in the same storage container.
23. The occupier who is generating hazardous waste shall draw authorized recycler as per Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008.
24. The industry will dispose off its hazardous waste authorized recycler as per Hazardous Wastes (Management, Handling & Transboundary Movement) Rules, 2008 .
25. The occupier of the transport facility shall ensure that the hazardous waste are shifted in the container in a manner suitable for handling storage and transport and the labelling and packaging shall be easily visible and able to withstand physical condition and climatic factors.
26. Packaging, Labelling of Used/Waste oil shall be in accordance with the provisions of the rules made by the Central Government under the Motor Vehicles Act, 1988 and other guidelines issued from time to time.
27. All hazardous waste chamber shall be provided with a general label as given in Form-8.
28. No transporter shall accept hazardous waste from any occupier for disposal unless it is accompanied by five copies of the manifest (form-9) as per the colour codes. The transporter shall give a copy of the manifest signed and dated in the occupier and retain the remaining four copies to be used as prescribed in sub-rule (5).
29. The occupier shall provide the transporter of six copies of the manifest as per the colour code indicated below :-

Copy 1(White).	Forwarded to the Punjab Pollution Control Board by the Occupier
Copy 2(Light Yellow).	Signed by the Transporter and retained by the Occupier.
Copy 3(Pink).	Retained by the Operator of facility.
Copy 4(Orange).	Returned to the Transporter by the operator of facility after accepting waste.
Copy 5(Green).	Forward to Punjab Pollution control Board by the operator of facility after disposal.
Copy 6(Blue).	returned to the occupier by the operator of facility after disposal.

30. The occupier shall obtain necessary No Objection Certificate from State Pollution Council Board in the respective states involved in case of any inter and intra State Transport of hazardous waste.
31. The occupier shall provide the transporter with relevant information in form to regarding the hazardous nature of the wastes and measures to be taken in case of an emergency.
32. The transporter shall transport the hazardous waste only in authorized for transportation of hazardous waste.
33. The person authorized for transportation of hazardous waste shall prior permission of the Board to close down the transportation facility.
34. The authorization is subject to the conditions mentioned above and also to such conditions as specified in the Hazardous waste (Management & Handling) Rules as amended from time to time framed under the Environment (Protection) Act 1986.

  
Environmental Engineer (HWM)

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For Allied Recycling Limited



## PUNJAB POLLUTION CONTROL BOARD



Zonal office-I, Ludhiana.  
Website:- www.ppcb.gov.in

Industry ID:R12LDH123012

No:R14LDH1CTOA1212937

Registered

Date:26/05/2014

To

M/s Allied recycling limited  
Vpo: budhewal, chandigarh road  
Ludhiana east  
141112  
Tehsil: Ludhiana east  
District: Ludhiana i

**Subject:-** Renewal/ Extension in the validity of varied 'consent to operate' under the Air (Prevention & Control of Pollution) Act, 1981.

Reference :R14LDH1CTOA1212937

Application No :1212937

Date :26/05/2014

Reference: Board's letter no. 1308 dated 24/02/2011.

The validity of varied 'consent to operate' granted to the industry under the Air (Prevention & Control of Pollution) Act, 1981 vide no. ZO-1/LDH/RO-1/APC/2011/F-2546 dated 22/02/2011 is hereby extended upto 31/03/2019 subject to the same terms & conditions as mentioned in original consent granted to it. This letter be appended with original consent issued vide no. ZO-1/LDH/RO-1/APC/2011/F-2546 dated 22/02/2011.

For Sr. Environmental Engineer

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For Allied Recycling Limited

Director





**PUNJAB POLLUTION CONTROL BOARD**

Zonal office-1, Ludhiana.

Website:- www.ppcb.gov.in

Industry ID:R12LDH123012

**No: R14LDHICTOW1183084**

**Registered**

**Date: 26/05/2014**

**To**

M/s Allied recycling limited  
Vpo: budhewal, chandigarh road  
141112  
Ludhiana east  
Ludhiana i

**Subject:- Renewal/ Extension in the validity of varied 'consent to operate' under the Water (Prevention & Control of Pollution) Act, 1974.**

**Reference :R14LDHICTOW1183084**

**Application No. :1183084**

**Dated :26/05/2014**

Reference: Board's letter no. 1306 dated 24/02/2011.

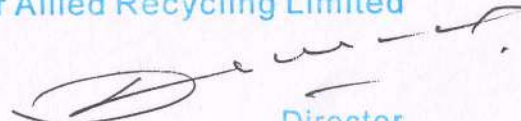
The validity of varied 'consent to operate' granted to the industry under the Water (Prevention & Control of Pollution) Act, 1974 vide no. ZO-1/ LDH/ RO-1/ WPC/ 2011/ F-3518 dated 22/02/2011 is hereby extended upto 31/03/2019 subject to the same terms & conditions as mentioned in original consent granted to it.

This letter be appended with original consent issued vide no. ZO-1/LDH/RO-1/WPC/2011/F-3518 dated 22/02/2011.

For Sr. Environmental Engineer

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For Allied Recycling Limited



Director





# CHANDIGARH POLLUTION TESTING LABORATORY

(EFFLUENTS, WATER & AIR)



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

Lab : E-126, Phase-VIII, 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

REPORT NO: AR/2015/11/01 (A)

REPORTING DATE: 26.11.2015

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:	24-11-2015	Point of Sample:	From Port Hole On Stack
Date of Sample Received in Lab.:	24-11-2015	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/EC/2015/11/01(A)	Analysis Duration:	25-11-2015 to 26-11-2015
Nature of Sample:	Air Sample	Sample Collected By:	Sandeep Singh
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	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	9.82 m/sec	
PARAMETERS		RESULTS	PRESCRIBED STANDARD
Particulate Matter (PM)		115 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>
IS:11255,(Part-1),1988, (RA - 2009)			
 (Chemist In-Charge) Date: 26/11/2015 <b>Sunilava Dutta</b>		 (Authorized Sign.) Date: 26/11/2015 <b>Sandeep Singh</b> Chandigarh Pollution Testing Lab	
<ul style="list-style-type: none"> <li>The results are related to test items only.</li> <li>This certificate is not to be reproduced wholly or in part and cannot be used as evidence in the court of law.</li> <li>Sample will be destroyed after retention time unless otherwise specified.</li> </ul>			





# 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\_cptimohali@yahoo.co.in, cptle126@gmail.com

## TEST CERTIFICATE

REPORT NO: AR/2015/11/02 (A)

REPORTING DATE: 26.11.2015

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

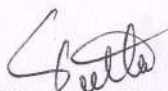
## SAMPLE PARTICULARS

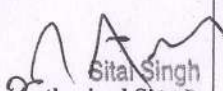
Sampling Plan Ref. No.:	CPTL/SM/06	Type of Sample:	Stack Air Emission
Date of Sample Collection:	24-11-2015	Point of Sample:	From Port Hole On Stack
Date of Sample Received in Lab.:	24-11-2015	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/EC/2015/11/02(A)	Analysis Duration:	25-10-2015 to 26-10-2015
Nature of Sample:	Air Sample	Sample Collected By:	Sandeep Singh

## TECHNICAL DATA

1.	Name of Plant/Section	Stack attached to Induction Furnace 'B' {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	0.5m (Top) ; 1.5m (Bottom)
7.	Height of Stack	20 meter from ground level
8.	Sampling Time	40 minutes
9.	Ambient Air Temperature	24°C
10.	Stack Air Temperature	88°C
11.	Velocity of Flue Gases	10.06 m/sec

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD</u>	<u>TEST METHOD</u>
Particulate Matter (PM)	118 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>	IS:11255,(Part-1),1988, (RA - 2009)

  
(Chemist In-Charge)  
Date: 26/11/2015  
Sita Singh

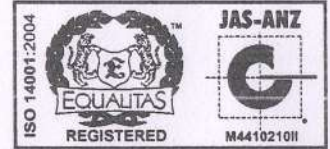
  
Sital Singh  
(Authorized Sign.)  
Chandigarh Pollution Testing Lab  
Date: 26/11/2015

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**CHANDIGARH POLLUTION  
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**TEST CERTIFICATE**

REPORT NO: AR/2015/11/03 (A)

REPORTING DATE: 26.11.2015

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:	24-11-2015	Point of Sample:	From Port Hole On Stack
Date of Sample Received in Lab.:	24-11-2015	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/EC/2015/11/03(A)	Analysis Duration:	25-10-2015 to 26-10-2015
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	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	0.81m (Top) ; 1.52 m (Bottom)
7.	Height of Stack	26 meter from ground level
8.	Sampling Time	40 minutes
9.	Ambient Air Temperature	24°C
10.	Stack Air Temperature	80°C
11.	Velocity of Flue Gases	9.55 m/sec

<u>PARAMETERS</u>	<u>RESULTS</u>	<u>PRESCRIBED STANDARD</u>	<u>TEST METHOD</u>
Particulate Matter (PM)	88 mg/Nm <sup>3</sup>	150 mg/Nm <sup>3</sup>	IS:11255,(Part-1),1988, (RA - 2009)

(Chemist In-Charge)  
Date: 26/11/2015  
**Sumitava Dutta**

(Authorized Sign.)  
Date: 26/11/2015

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# CHANDIGARH POLLUTION TESTING LABORATORY

(EFFLUENTS, WATER & AIR)



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

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

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## TEST CERTIFICATE

REPORT NO: AR/2015/11/04 (A)

REPORTING DATE: 26.11.2015

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:	Ambient Air
Date of Sample Collection:	24-11-2015	Point of Sample:	Near Main Gate
Date of Sample Received in Lab:	24-11-2015	Environmental Conditions:	Normal
Sample Identification No:	CPTL/EC/2015/11/04(A)	Analysis Duration:	25-11-2015 to 26-11-2015
Nature of Sample:	Air Sample	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>	1.175 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
6.	Time period for sampling	480 minutes

PARAMETERS	RESULTS	PRESCRIBED STANDARD AS PER NOTIFICATION, 18 <sup>TH</sup> NOVEMBER, 2009	TEST METHOD
Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	84	100	IS: 5182, (P-23), 2006
Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	45	60	IS: 5182, (P-23), 2006
Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	20.5	80	IS: 5182, (P-II), 2001
Sulphur dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	13.3	80	IS: 5182, (P-VI), 2006
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 (Part-12),
Carbon monoxide (CO), mg/m <sup>3</sup>	0.87	4	IS: 5182 (Part-10), 1999, R.2003
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: 26.11.2015  
Sumitara Dutta

(Authorized Sign.)

Date: 26.11.2015

Chandigarh Pollution Testing Lab

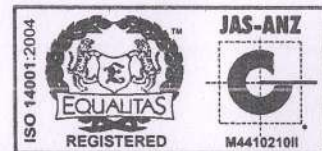
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MOE & PPCB APPROVED, ISO 9001:2008  
ISO 18001:2007 ISO 14001:2004 CERTIFIED LABORATORY

## TEST CERTIFICATE

REPORT NO: AR/2015/11/05 (A)

REPORTING DATE: 26.11.2015

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:	Ambient Air
Date of Sample Collection:	24-11-2015	Point of Sample:	Near Main Gate
Date of Sample Received in Lab:	24-11-2015	Environmental Conditions:	Normal
Sample Identification No:	CPTL/EC/2015/11/05(A)	Analysis Duration:	25-11-2015 to 26-11-2015
Nature of Sample:	Air Sample	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>	1.175 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
6.	Time period for sampling	480 minutes

PARAMETERS	RESULTS	PRESCRIBED STANDARD AS PER NOTIFICATION. 18 <sup>TH</sup> NOVEMBER, 2009	TEST METHOD
Particulate Matter (PM <sub>10</sub> ), µg/m <sup>3</sup>	75	100	IS: 5182, (P-23), 2006
Particulate Matter (PM <sub>2.5</sub> ), µg/m <sup>3</sup>	43.7	60	IS: 5182, (P-23), 2006
Nitrogen Dioxide (NO <sub>2</sub> ), µg/m <sup>3</sup>	18.8	80	IS: 5182, (P-II), 2001
Sulphur dioxide (SO <sub>2</sub> ), µg/m <sup>3</sup>	9.9	80	IS: 5182, (P-VI), 2006
Ammonia (NH <sub>3</sub> ), µg/m <sup>3</sup>	ND	400	APHA Air
Ozone (O <sub>3</sub> ), µg/m <sup>3</sup>	32	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 (Part-12),
Carbon monoxide (CO), mg/m <sup>3</sup>	0.69	4	IS: 5182 (Part-10), 1999, R.2003
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

*Sandeep Singh*  
(Chemist In-Charge)

Date: 26/11/2015

*Sandeep Singh*  
(Authorized Signatory)

Date: 26/11/2015

Chandigarh Pollution Testing Lab

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TESTING LABORATORY**  
(EFFLUENTS, WATER & AIR)



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

**TEST CERTIFICATE**

REPORT NO: AR/2015/11/06(N)

REPORTING DATE: 26.11.2015

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:	24-11-2015	Point of Sample:	Project Site
Sample Identification No:	CPTL/EC/2015/11/06 (N)	Environmental Conditions:	Normal
Nature of Sample:	Noise Level	Sample Collected By:	Sandeep Singh

S. No.	Location	Value in dB(A) Average (Hourly)		Test Method
		Day Time (6:00am to 10:00pm)	Night Time (10:00Pm to 06:00am)	
1.	Location-I	71.0	45.0	CPCB/OSHA
2.	Location-II	72.0	48.1	CPCB/OSHA
3.	Location-III	70.0	50.0	CPCB/OSHA
4.	Location-IV	68.0	44.0	CPCB/OSHA
5.	Location-V	65.0	51.0	
Prescribed Standard		75	70	--

(Chemist In-Charge)  
Date: 26/11/2015

(Authorized Sign.)  
Date: 26/11/2015

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**TEST CERTIFICATE**

REPORT NO: ARL/2015/11/01(W)

REPORTING DATE: 30-11-2015

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

**SAMPLE PARTICULARS**

Sampling Plan Ref.No.:	CPTL/SPW/01/DW	Type of Sample:	Grab
Date of Sample Collection:	24-11-2015	Point of Sample:	From tubewell(250 feet)
Date of Sample Received in Lab.:	25-11-2015	Environmental Conditions:	Normal
Sample Identification No.:	CPTL/2015/11/111(W)	Packaging of Sample:	2.0 Litres in Glass Bottle.
Nature of Sample:	Ground Water	Analysis Duration:	25-11-2015 to 29-11-2015
Description:-	Clear, Colorless.	Sample Collected by:	Sandeep Singh

**TEST RESULTS**

S. No.	Parameters	Results	Requirement (Acceptable Limit)	Test Method
1.	pH	7.25	6.5-8.5	APHA-4500H <sup>+</sup> , 22 <sup>nd</sup> Edition
2.	Color, HU	<5	5	APHA-2020B, 22 <sup>nd</sup> Edition
3.	Odour*	Agreeable	Agreeable	APHA-2150B, 22 <sup>nd</sup> Edition
4.	Turbidity, NTU	<1	1	APHA-2130B, 22 <sup>nd</sup> Edition
5.	Total Dissolved Solids, mg/l	272	500	APHA-2540C, 22 <sup>nd</sup> Edition
6.	Total Hardness (as CaCO <sub>3</sub> ), mg/l	180	200	APHA-2340B, 22 <sup>nd</sup> Edition
7.	Calcium (as Ca <sup>++</sup> ), mg/l	44	75	APHA-3500B, 22 <sup>nd</sup> Edition
8.	Magnesium (as Mg <sup>++</sup> ), mg/l	16.8	30	APHA-2340B, 22 <sup>nd</sup> Edition
9.	Total Alkalinity (as CaCO <sub>3</sub> ), mg/l	247.5	200	APHA-2320B, 22 <sup>nd</sup> Edition
10.	Chloride (as Cl), mg/l	14.7	250	APHA-4500B, 22 <sup>nd</sup> Edition
11.	Sulphate (as SO <sub>4</sub> ), mg/l	ND	200	APHA-4500E, 22 <sup>nd</sup> Edition
12.	Iron (as Fe), mg/l	0.09	0.3	APHA-3111B, 22 <sup>nd</sup> Edition
13.	Zinc (as Zn), mg/l	ND	5	APHA-3030D, 22 <sup>nd</sup> Edition
14.	Nitrate (as NO <sub>3</sub> ), mg/l	ND	45	IS: 3025(Part-34), 1986
15.	Chromium ( as Cr), mg/l	ND	0.05	APHA-3113B, 22 <sup>nd</sup> Edition





# CHANDIGARH POLLUTION TESTING LABORATORY

(EFFLUENTS, WATER & AIR)



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

NABL ACCREDITED LAB VIDE CERTIFICATE No. T-2081

H.O. : #372, Sec. 15-A, Chandigarh-160 015 ☎ : 0172-4669295; Lab : E-126, Phase-VII, Indl. Area, Mohali-160055, ☎ : 0172-5090312; Telefax : 0172-4669295

Date of Sample Received in Lab.:	25-11-2015	Point of Sample:	From tubewell(250 feet)
Sample Identification No.:	CPTL/2015/11/111(W)	Analysis Duration:	25-11-2015 to 29-11-2015

S. No.	Parameters	Results	Requirement (Acceptable Limit)	Test Method
16.	Manganese (as Mn), mg/l	ND	0.1	APHA-3030D & 3111B, 22 <sup>nd</sup> Edition
17.	Lead (as Pb), mg/l	ND	0.01	APHA-3030D & 3111B, 22 <sup>nd</sup> Edition
18.	Copper (as Cu), mg/l	ND	0.05	APHA-3111B, 22 <sup>nd</sup> Edition
19.	Aluminum (as Al), mg/l	ND	0.03	APHA-3500 Al-B, 22 <sup>nd</sup> Edition
20.	Mercury *(as Hg), mg/l	ND	0.001	APHA-3500 Hg-B, 22 <sup>nd</sup> Edition
21.	Boron (as B), mg/l	ND	0.5	APHA-4500B, 22 <sup>nd</sup> Edition
22.	Cadmium (as Cd), mg/l	ND	0.003	APHA-3500 CD-A, 22 <sup>nd</sup> Edition
23.	Selenium* (as Se), mg/l	ND	0.01	APHA-3500 Se-A, 22 <sup>nd</sup> Edition
24.	Fluoride (as F ), mg/l	ND	1.0	APHA, SPANDS Method 4500- F <sup>-</sup> D
25.	Free Residual Chlorine, mg/l	ND	0.2	APHA-4500D, 22 <sup>nd</sup> Edition
26.	Phenolic Compound (as C <sub>6</sub> H <sub>5</sub> OH), mg/l	ND	0.001	APHA-5530, 22 <sup>nd</sup> Edition
27.	E.coli/ Coliforms*/100 ml	Absent	Shall not be detectable in any 100 ml sample	IS : 1622-1981 ,MPN Method

*(Chemist In-Charge)*  
Date: 30/11/15

**Sheetal Kashyap**

*(Authorized Sign)*

Date: 30/11/2015  
**Sital Singh**  
CEO

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- \* parameters is not under NABL scope.

Chandigarh Pollution Testing Lab