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Allied Recycling Ltd.

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



Advisor,
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 the period December, 2019.

Dear Sir,

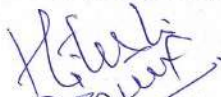
This is in reference to the requirement stated in Environmental Clearance granted by the Expert Appraisal Committee-I, Ministry of Environment Forests & Climate Change, Government of India New Delhi vide their letter No. **J-11011/40/2013-IA-II(I) dated 22/06/2015.**

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, 2019.

This is for your Kind information please.

Thanking you.

Yours truly,
For Allied Recycling Ltd.,


(Authorized Signatory)
18/12/2019

Mr. Vijay Abrol
Mobile No.- 09914200019
alliedrecyclinglimited@gmail.com

1

S. No.	Name of Project	M/S Allied Recycling Limited
1	Project In charge & Address	Mr. Vijay Abrol (Managing Director) Village Budhewal, Tehsil Kum Kalan, Ludhiana Mobile No.- 09914200019 Telephone-01613230519 Fax-01613230519 Email:alliedrecyclinglimited@gmail.com
2	Current status of the construction / establishment work.	100% construction works of expansion has been completed
3	Location of Project	Village Budhewal, Tehsil Kum Kalan, Ludhiana
4	Current status point wise Compliance of stipulated Environmental condition / safeguards.	Copy attached as annexure-II
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.	No. The unit does not fall in any notified reserved forest area.
6	Duly Filled data-sheet. (Copy enclosed)	Copy enclosed as annexure-I
7	A copy of DPR/EIA/Risk analysis report etc. submitted to MOEF&CC New Delhi.	Already submitted.
8	Copy of advertisement given in news papers about the E.C.	Already submitted

**DATA SHEET
(ALLIED RECYCLING LIMITED)**

1	Project Type	3a-c(ii) Non Toxic Capacity > 30,000 MTA.
2	Name of Project	M/S Allied Recycling Limited
3	Clearance letter No.	J-11011/40/2013-IA-II(I) Dated 22/06/2015.
4	Location: a) District (S) b) State (S) c) Latitudes d) Longitudes	Ludhiana Punjab 30°53'18.24" North 76° 59'33.72" East
5	Address for Correspondence	Mr. Vijay Abrol (Managing Director) Village Budhewal, Tehsil Kum Kalan, Ludhiana Mobile No.- 09914200019 Telephone-01613230519 Fax-01613230519 Email:alliedrecyclinglimited@gmail.com
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 & 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> 48 Lacs
7	Breakup of project Area a) Submerged area forest & non forest. b) Others	NIL 41 kanal 3 marlas

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

**COMPLIANCE OF STIPULATED
ENVIRONMENTAL CONDITION / SAFEGUARDS**

Sr. No.	Compliance Description	Remarks
PART-A- SPECIFIC CONDITIONS :		
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) and APCD have been installed to control the 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. Rain water harvesting plan has already been implemented. rain water recharging pits have been provided within the project premises
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.	During construction phase, only local labor was employed. However, they were on daily based workers and none of them stays at the project site. The drinking water and toilet facility was available to workers at the site along with required sanitation facilities.
v.	Proper utilization of fly ash shall be ensured as per Fly Ash Notification, 1999 and subsequent	Not Applicable

	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 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 being complied as per the 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. Only PUC certified vehicles are engaged in construction.
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.	Plantation have been carried out as per the EIA.
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 and Complied as per requested.
x.	Disaster management plan shall be prepared and implemented. Regular drills thereof shall be conducted.	Disaster management plan have been prepared & Implemented. Mock drills have been conducted on regular basis as well.
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. All of the commitments made at the time of public hearing have been addressed.

xii.	<p>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.</p>	<p>Agreed and being complying.</p>
xiii.	<p>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 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>	<p>Agreed and being complying. The details of the CSR activities done so far are attached herewith as annexure-</p>

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 & Agreed.
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).	Noted & Agreed.
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 ₁₀ , PM ₂₅ , SO ₂ and NO _x 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.	We have already made an agreement with private laboratory for monitoring of Particulate Matter as per norms of CPCB/MOEF&CC. Analysis report attached herewith as annexure-iii.
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 purpose.	There is no generation of waste water discharge from the process. Domestic effluent after proper treatment in the septic tank is used for plantation.
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. Noise control measures have been taken and the ambient noise level is well within the standard prescribed under EPA Rules, 1989. Analysis report attached herewith as annexure-iii.

vi.	Occupational health surveillance of the workers shall be done on a regular basis and records maintained as per the Factories Act.	Agreed and being carried out on the regular basis and record have been maintained.
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.	Rain water harvesting plan has already been implemented. Three rain water recharging pits have been provided within the project premises.
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 being complying.
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 and strictly used 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	Copy of clearance letter have been sent to all of the concerned Government authorities.

	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 ₁₀ ,SO ₂ and NO _x (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 being complying.
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.	Half yearly compliance report have been submitted on the regular basis to Regional Office of MOEFCC, the respective Zonal Office of CPCB and the SPCB
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	Agreed for compliance.

	e-mail.	
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 http:// envfor.nic.in . 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 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.	Agreed & Complied.
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.	Noted & Agreed.

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ANALYSIS REPORT

AMBIENT AIR REPORT -NEAR MAIN GATE

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_cptlmohali@yahoo.co.in, cptle126@gmail.com, lab@cptl.co.in

NABET accredited EIA consultant, MoEF & CC & PPCB recognized ISO 9001 : 2015, ISO 14001:2015 and OHSAS 18001:2007 certified laboratory

TEST CERTIFICATE

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

SAMPLE PARTICULARS

Type of Sample:	Ambient Air
Sampling Location	Near Main Gate
Time period for sampling	480 Minutes
Date of Monitoring	05.09.2019
Analysis Duration	05.09.2019 to 11.09.2019
Date of Reporting	11.09.2019
Sample Identification no.	CPTL/EC/2019/09/04(A)
Sampling Protocol:	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.
Sample Collected By:	Sandeep Singh & Team

TECHNICAL DATA

<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	91.2	100	IS 5182 (P-23): 2006, (RA – 2017)
Particulate Matter (PM _{2.5}), µg/m ³	41.6	60	SP 57 Issue Date-01-05-2019
Nitrogen Dioxide (NO ₂), µg/m ³	23.3	80	IS 5182 (P-2): 2001, (RA-2017)
Sulphur dioxide (SO ₂), µg/m ³	8.2	80	IS 5182 (P-6): 2006, (RA – 2017)
Ammonia (NH ₃), µg/m ³	ND	400	Indophenol Method, CPCB Guidelines (Vol. 1)
Ozone (O ₃), µg/m ³	37	100	IS 5182 (P-9): 1974, (RA – 2012)
Benzene (C ₆ H ₆), µg/m ³	ND	05	IS 5182 (P-11): 2006
Benzo (a) Pyrene (BaP), ng/m ³	ND	01	IS 5182 (P-12): 2004
Carbon monoxide(CO),mg/m ³	0.81	4	IS 5182 (Part-10): 1999, (RA – 2009)
Lead (Pb), µg/m ³	ND	1.0	IS 5182 (Part-22): 2004
Nickel (Ni), ng/m ³	ND	20	CPCB Guidelines (Vol. 1):2011
Arsenic (As),ng/m ³	ND	06	CPCB Guidelines (Vol. 1) :2011

Chemist In-Charge **R.S. Rana**
Date: 11/9/19
Technical Manager

Reviewed & Authorized by
Date: 11/09/2019

- The results are related to test items only.
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- Sample will be destroyed after retention time unless otherwise specified.

NEAR CANTEEN AREA



Website : www.cptl.co.in

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

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TEST CERTIFICATE

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

Type of Sample:	Ambient Air
Sampling Location	Near Canteen Area
Time period for sampling	480 Minutes
Date of Monitoring	05.09.2019
Analysis Duration	05.09.2019 to 11.09.2019
Date of Reporting	11.09.2019
Sample Identification no.	CPTL/EC/2019/09/04a(A)
Sampling Protocol:	IS: 5182 (P-14) 2000, CPCB Guidelines and Customer's Requirements.
Sample Collected By	Sandeep Singh & Team

TECHNICAL DATA

PARAMETERS	RESULTS	PRESCRIBED STANDARD AS PER NAAQS NOTIFICATION, 18 TH NOVEMBER, 2009	TEST METHOD
Particulate Matter (PM ₁₀), µg/m ³	84.3	100	IS 5182 (P-23): 2006, (RA – 2017)
Particulate Matter (PM _{2.5}), µg/m ³	39.8	60	SP 57 Issue Date-01-05-2019
Nitrogen Dioxide (NO ₂), µg/m ³	22.1	80	IS 5182 (P-2): 2001, (RA-2017)
Sulphur dioxide (SO ₂), µg/m ³	7.6	80	IS 5182 (P-6): 2006, (RA – 2017)
Ammonia (NH ₃), µg/m ³	ND	400	Indophenol Method, CPCB Guidelines (Vol. 1)
Ozone (O ₃), µg/m ³	37.0	100	IS 5182 (P-9): 1974, (RA – 2012)
Benzene (C ₆ H ₆), µg/m ³	ND	05	IS 5182 (P-11): 2006
Benzo (a) Pyrene (BaP), ng/m ³	ND	01	IS 5182 (P-12): 2004
Carbon monoxide(CO),mg/m ³	0.77	4	IS 5182 (Part-10): 1999, (RA – 2009)
Lead (Pb), µg/m ³	ND	1.0	IS 5182 (Part-22): 2004
Nickel (Ni), ng/m ³	ND	20	CPCB Guidelines (Vol. 1):2011
Arsenic (As),ng/m ³	ND	06	CPCB Guidelines (Vol. 1) :2011

Chemist In-Charge **R.S. Rana**
Date: 11/09/19 **Technical Manager**

Reviewed & Authorized by
Date: 11/09/19

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NOISE MONITORING REPORT



Website : www.cptl.co.in

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



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ISO 9001 : 2015, ISO 14001:2015 and OHSAS 18001:2007 certified laboratory

TEST CERTIFICATE

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

Type of Sample:	Noise Level Monitoring
Date of Monitoring	05.09.2019
Date of Reporting	11.09.2019
Sample Identification no.	CPTL/EC/2019/09/04(AN)
Sampling Protocol:	IS 9989:1981(Rev.2002), CPCB Guidelines and Customer's Requirements.
Sample Collected By	Sandeep Singh & Team

S. No.	Location	Value in dB(A)	Test Method
		Average (Hourly)	
		Day Time (Hourly)	
1.	Near Main Gate	73.2	IS 9989:1981(Rev.2002)
2.	Near Canteen Area	64.6	IS 9989:1981(Rev.2002)
Prescribed Standard		75	---

Chemist In-Charge
 Date: 11/9/19 **R.S. Rana**
 Technical Manager
 Chandigarh Pollution Testing Lab

Reviewed & Authorized by
 Date: 11/09/19 **Sital Singh**
 CEO
 Chandigarh Pollution Testing Lab

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STACK EMISSION REPORT-I

(Stack Attached to Induction Furnace 'A')



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_cptlmohali@yahoo.co.in, cptle126@gmail.com, lab@cptl.co.in



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ISO 9001 : 2015, ISO 14001:2015 and OHSAS 18001:2007 certified laboratory

TEST CERTIFICATE

REPORTING DATE: 11.09.2019

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

Date of Sample Collection:	05-09-2019	Type of Sample:	Stack Air Emission
Date of Sample Received in Lab:	05-09-2019	Point of Sampling:	From Port Hole on Stack
Sample Identification No:	CPTL/EC 2019/09/4d(A)	Environmental Conditions:	Normal
Nature of Sample:	Air Sample	Analysis Duration:	06-09-2019 to 11-09-2019
		Sample Collected By:	Sandeep Singh & Team

TECHNICAL DATA

1.	Name of Plant/Section	Induction Furnace-B @ 5TPH
2.	Source of Emission	Process emission
3.	Type Of Fuel	Electricity
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	0.50 m(Top) ; 1.50m (Bottom)
6.	Height of Stack	20 meter from ground level
7.	Sampling Time	35 minutes
8.	Ambient Air Temperature	37°C
9.	Stack Air Temperature	99°C
10.	Velocity of Flue Gases	11.92 m/sec
11.	APCD	Cyclone Separator, water scrubber

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM), mg/Nm ³	61.8	150	IS:11255,(Part-1),1988, (RA-2009)


 Chemist In-Charge
 Date: 11/09/19
 Technical Manager
 Chandigarh Pollution Testing Lab


 Reviewed & Authorized by
 Date: 11/09/19
 Sital Singh
 Chandigarh Pollution Testing Lab

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STACK EMISSION REPORT-II
(Stack Attached to Induction Furnace 'B')



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_cptlmohali@yahoo.co.in, cptle126@gmail.com, lab@cptl.co.in

TEST CERTIFICATE

REPORTING DATE: 11.09.2019

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

SAMPLE PARTICULARS

Date of Sample Collection:	05-09-2019	Type of Sample:	Stack Air Emission
Date of Sample Received in Lab:	05-09-2019	Point of Sampling:	From Port Hole on Stack
Sample Identification No:	CPTL/ EC 2019/09/04b(A)	Environmental Conditions:	Normal
Nature of Sample:	Air Sample	Analysis Duration:	06-09-2019 to 11-09-2019
		Sample Collected By:	Sandeep Singh & Team

TECHNICAL DATA

1.	Name of Plant/Section	Induction Furnace-A @5TPH
2.	Source of Emission	Process emission
3.	Type Of Fuel	Electricity
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	0.50 m (Top) ; 1.50 m (Bottom)
6.	Height of Stack	22 meter from ground level
7.	Sampling Time	35 minutes
8.	Ambient Air Temperature	37°C
9.	Stack Air Temperature	95°C
10.	Velocity of Flue Gases	11.86 m/sec
11.	APCD	Bag Filter

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM), mg/Nm ³	59.4	150	IS:11255,(Part-1),1988, (RA-2009)

Chemist In-Charge
 Date: 11/09/19
R.S. Rana
 Technical Manager
 Chandigarh Pollution Testing Lab

Reviewed & Authorized by
 Date: 11/09/19
Sital Singh
 CFO
 Chandigarh Pollution Testing Lab

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STACK EMISSION REPORT-III

(Stack Attached to Induction Furnace 'C')



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_cptlmohali@yahoo.co.in, cptl126@gmail.com, lab@cptl.co.in

TEST CERTIFICATE

REPORTING DATE: 11.09.2019

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

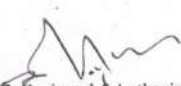
Date of Sample Collection:	05-09-2019	Type of Sample:	Stack Air Emission
Date of Sample Received in Lab:	05-09-2019	Point of Sampling:	From Port Hole on Stack
Sample Identification No:	CPTL/EC 2019/09/04c(A)	Environmental Conditions:	Normal
Nature of Sample:	Air Sample	Analysis Duration:	06-09-2019 to 11-09-2019
		Sample Collected By:	Sandeep Singh & Team

TECHNICAL DATA

1.	Name of Plant/Section	Induction Furnace-C@ 5TPH
2.	Source of Emission	Process emission
3.	Type Of Fuel	Electricity
4.	Location of Sampling Point	As per Standard
5.	Diameter of Stack	0.81 m (Top) ; 1.52 m(Bottom)
6.	Height of Stack	26 meter from ground level
7.	Sampling Time	35 minutes
8.	Ambient Air Temperature	38°C
9.	Stack Air Temperature	100°C
10.	Velocity of Flue Gases	11.94m/sec
11.	APCD	Bag Filter

PARAMETERS	RESULTS	PRESCRIBED STANDARD	TEST METHOD
Particulate Matter (PM), mg/Nm ³	62.6	150	IS:11255,(Part-1),1988, (RA-2009)


 Chemist In-Charge
 Date: 11/09/2019
 Technical Manager
 Chandigarh Pollution Testing Lab


 Reviewed & Authorized by
 Date: 11/09/2019
 Sital Singh
 CE
 Chandigarh Pollution Testing Lab

- 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.

GROUND WATER REPORT



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_cptlmohali@yahoo.co.in, cptle126@gmail.com, lab@cptl.co.in

TEST CERTIFICATE

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

Type of Sample	Ground Water(Grab)
Quantity & Packaging	2litres in Plastic Bottle +25 ml in sterilized glass bottle
Point of Sample Collection	From Tube well
Date of Sample Collection	05.09.2019
Date of Sample Received in Lab	05.09.2019
Sample Identification no.	CPTL/EC/2019/09/04(W)
Analysis Duration	06.09.2019 to 11.09.2019
Date of Reporting	11.09.2019
Sample Collected By	Sandeep Singh & Team
Sampling Protocol	IS: 3025 (P-1) 1987 R1998 Amdt-1
Visual Observation	Clear and Colorless

TEST RESULTS

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
1.	pH	7.49	6.5-8.5	No relaxation	APHA-4500H ⁺ , 23rd Edition
2.	Color, HU	<5	5	15	APHA-2020B, 23rd Edition
3.	Odour	Agreeable	Agreeable	Agreeable	APHA-2150B, 23rd Edition
4.	Turbidity, NTU	<1	1	5	APHA-2130B, 23rd Edition
5.	Total Dissolved Solids, mg/l	359	500	2000	APHA-2540C, 23rd Edition
6.	Total Hardness (as CaCO ₃), mg/l	240	200	600	APHA-2340B, 23rd Edition
7.	Calcium (as Ca ⁺⁺), mg/l	47.5	75	200	APHA-3500B, 23rd Edition
8.	Magnesium (as Mg ⁺⁺), mg/l	28.8	30	1000	APHA-2340B, 23rd Edition
9.	Total Alkalinity (as CaCO ₃), mg/l	238.8	200	600	APHA-2320B, 23rd Edition
10.	Chloride (as Cl), mg/l	14.7	250	1000	APHA-4500B, 23rd Edition
11.	Sulphate (as SO ₄), mg/l	22.4	200	400	APHA-4500E, 23rd Edition
12.	Iron (as Fe), mg/l	0.12	1.0	No relaxation	APHA-3111B, 23rd Edition
13.	Zinc (as Zn), mg/l	ND	5	15	APHA-3030D, 23rd Edition
14.	Nitrate (as NO ₃), mg/l	ND	45	No relaxation	IS: 3025(Part-34), 1986
15.	Chromium (as Cr), mg/l	ND	0.05	No relaxation	APHA-3113B, 23rd Edition
16.	Manganese (as Mn), mg/l	ND	0.1	0.3	APHA-3030D & 3111B, 23rd Edition
17.	Lead (as Pb), mg/l	ND	0.01	No relaxation	APHA-3030D & 3111B, 23rd Edition

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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

Type of Sample	Ground Water(Grab)
Date of Sample Received in Lab	05.09.2019
Sample Identification no.	CPTL/EC/2019/09/04(W)

S. No.	Parameters	Results	Acceptable Limit	Permissible Limit	Test Method
18.	Copper (as Cu), mg/l	ND	0.05	1.5	APHA-3111B, 23rd Edition
19.	Arsenic (as As), mg/l	ND	0.01	No relaxation	APHA-3111B, 23rd Edition
20.	Aluminum (as Al), mg/l	ND	0.03	0.2	APHA-3500 Al-B, 23rd Edition
21.	Mercury (as Hg), mg/l	ND	0.001	No relaxation	APHA-3500 Hg-B, 23rd Edition
22.	Boron (as B), mg/l	ND	0.5	1.0	APHA-4500B, 23rd Edition
23.	Cadmium (as Cd), mg/l	ND	0.003	No relaxation	APHA-3500 CD-A, 23rd Edition
24.	Fluoride,(as F) mg/l	ND	1.0	1.5	APHA,SPANDS Method 4500- F D
25.	Free Residual Chlorine , mg/l	ND	0.2	1	APHA-4500D, 23rd Edition
26.	E.coli/100 ml	Absent	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622-1981(RA 2009) ,MPN Method
27	Total Coliforms, MPN/100 ML	<2	Shall not be detectable in any 100 ml sample	Shall not be detectable in any 100 ml sample	IS : 1622-1981(RA 2009) ,MPN Method

R.S. Rana
Chemist In Charge
Date: 11/09/19
Technical Manager
Chandigarh Pollution Testing Lab

Sital Singh
Reviewed & Authorized by
Date: 11/09/19
CEO
Chandigarh Pollution Testing Lab

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