

## CORPORATE PROFILE

By  
Refracast Metallurgicals Pvt  
INDIA



Leading recyclers of **Spent Catalyst**



We would like to introduce ourselves as "**Refracast Metallurgical Pvt Ltd**", pioneer in the field of spent catalyst recycling with more than two decades of recycling experience (based out Raipur, Chhattisgarh India - Central Province of India), and the better part of which was spent in developing processing capabilities to handle the most complex catalyst.

ISO:9001:2008 Certified Company  
Registration No. BN6052/5402:1012  
CIN : U24121CT1995PTC009655



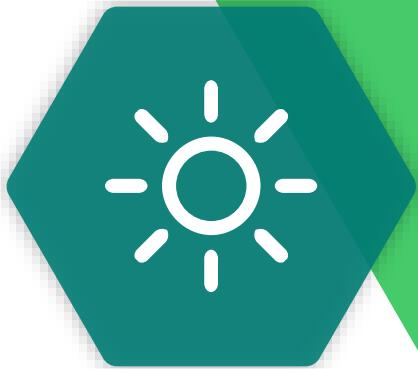


COMMITTED TO  
CLEAN ,GREEN  
PLANET.....

“

We are pro-actively researching application of our valuable products like Nickel, Cobalt and vanadium in futuristic new generation batteries used in electric vehicles and energy storage space which will be the need of the hour with dwindling fossil fuels and increasing carbon footprints

## VISION OF OUR COMPANY



# COMPANY HISTORY TIMELINE

our company journey till now

- Present day  
Setup new unit in the name of Oricon Metallurgicals Pvt Ltd-  
recognized by Government of India as a STARTUP-unit
- 2020  
Developed in house hydro metallurgy  
with zero waste technology
- 2012  
Developed calcium molybdate, ammonium metavanadate,  
Ammonium para tungstate in India
- 2010  
Received permanent CPCB license for  
handling hazardous waste
- 2000  
Got first license for processing spent catalyst containing  
nickel by the government in India
- 1995  
Refracast Metallurgicals Pvt Ltd –RMPL,  
was Founded in 1995 as a green field  
project



# OUR EXPERTISE

We are committed to ZERO WASTE POLICY

## ZERO WASTE TECHNOLOGY

Limiting the environmental footprint with our ZERO WASTE and NO POLLUTION, manufacturing operation.

## ENVIRONMENT SAFETY

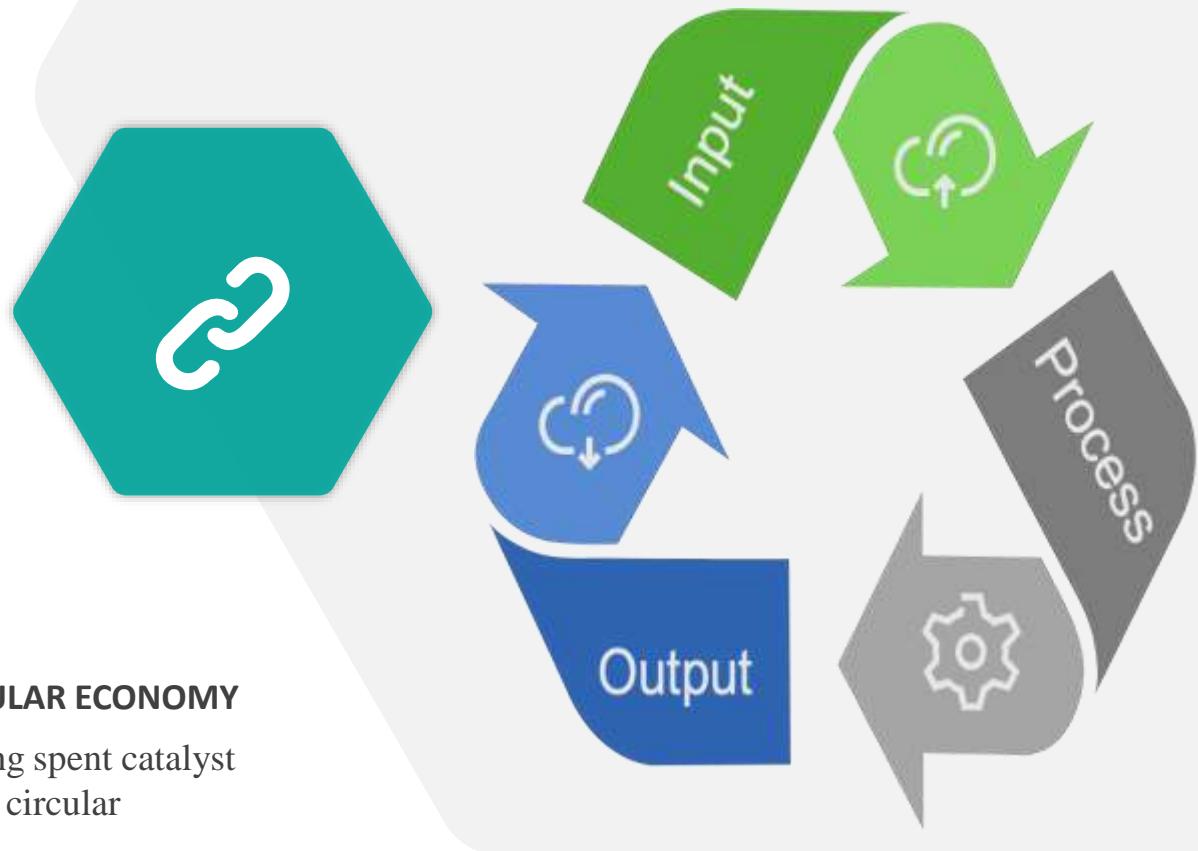
Environmentally safe solution for processing the Ferrous metal containing waste, residues and catalysts from refineries, fertilizer plants and many more

## CONTRIBUTING TOWARDS CIRCULAR ECONOMY

Using waste and residues including spent catalyst etc. to produce usable products in circular economy.

## STATE OF THE ART FACILITY

We have state of the art facility equipped with ETP and all pollution control equipment's as per the norms.



Committed to  
Clean Green  
Planet

# OUR PROCESS



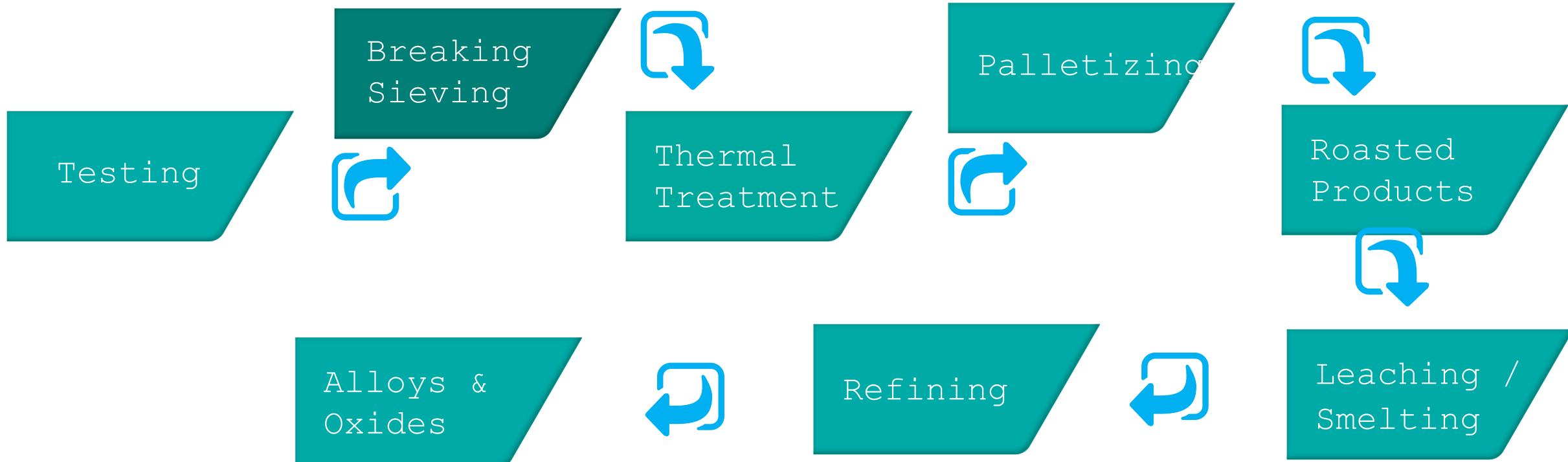
## PYROMETALLURGY-

Pyrometallurgy is heat treatment process applied to the waste products and material is separated at molten state.



## HYDROMETALLURGY

Hydrometallurgy is alkalic process where waste is digested, precipitated and chemically treated to separate various components .



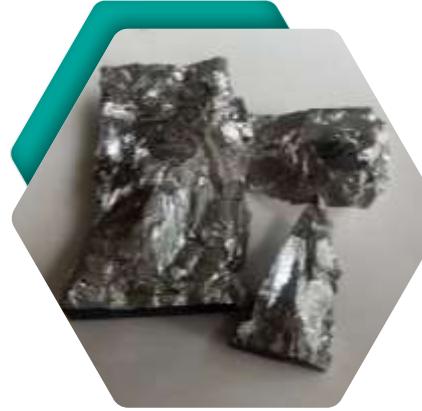
**WE DO NOT GENERATE ANY WASTE**



Calcium  
**Molybdate**



Ferro Tungsten  
**Molybdenum**



Ferro  
**Vanadium**



Vanadium  
**Flakes**

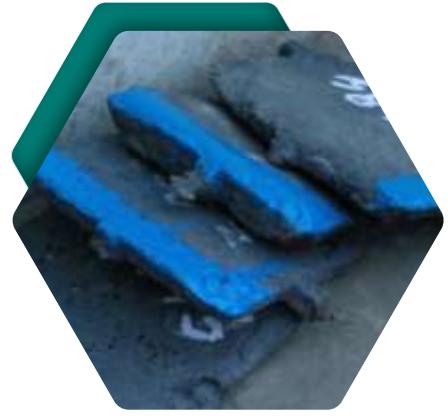


Ferro  
**Tungsten**



We process spent catalysts and residues containing metals, recycling them into a range of specialty products. These products are manufactured based on tailored specifications and is in accordance with global standards.

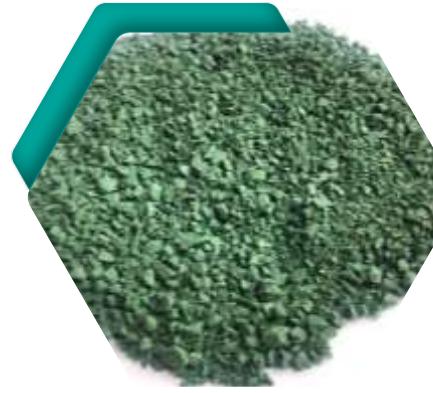
## OUR PRODUCTS



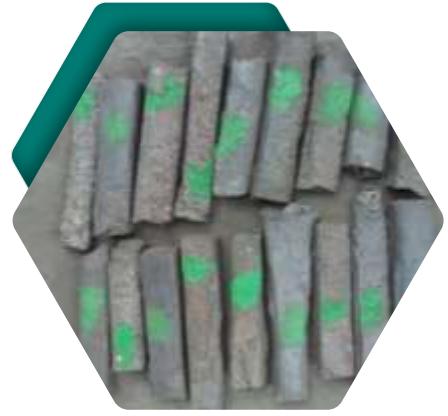
Ferro Cobalt  
Molybdenum



Ferro  
Nickel



Nickel Oxide &  
Hydroxide



Ferro Nickel  
Moly



Cobalt oxide &  
Hydroxide



Our products are used mainly in steel plants , refractories , paint industries, ceramic units, induction furnace units and casting units.

## OUR PRODUCTS



AND MORE.....



## Our Associates

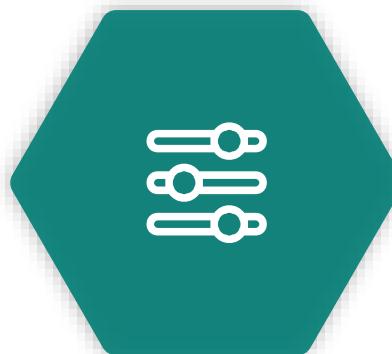
Our commitment to excellence and customer satisfaction is evident in every interaction. We prioritize understanding the unique needs of each client, ensuring tailor-made solutions that meet the expectations.



We follow the norms and procedures laid down by Government of India, which in turn is governed by **BASEL Convention Norms** for Hazardous Waste Management and Recycling. Accordingly, we has been given permanent registration and authorization by Environmental Conservation board under the Ministry of Environment , Forest & Climate Change , Govt. Of India (MOEF&CC) to procure, process and dispose the products of Hazardous Waste .

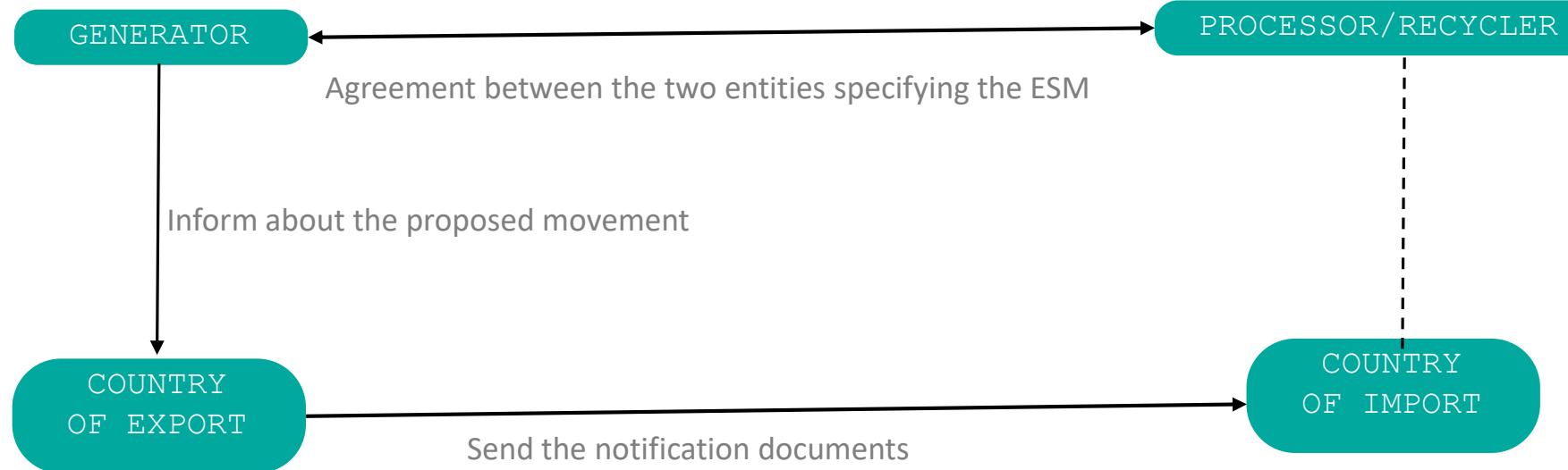
TRANS  
BOUNDARYMOVEMENT

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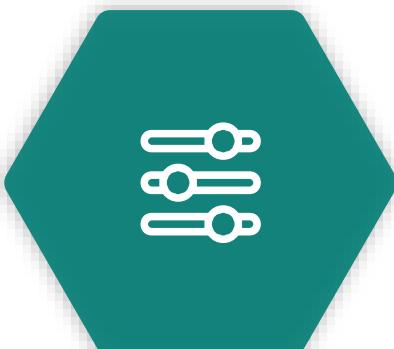
# STAGE-1

## NOTIFICATION



TRANS  
BOUNDARYMOVEMENT

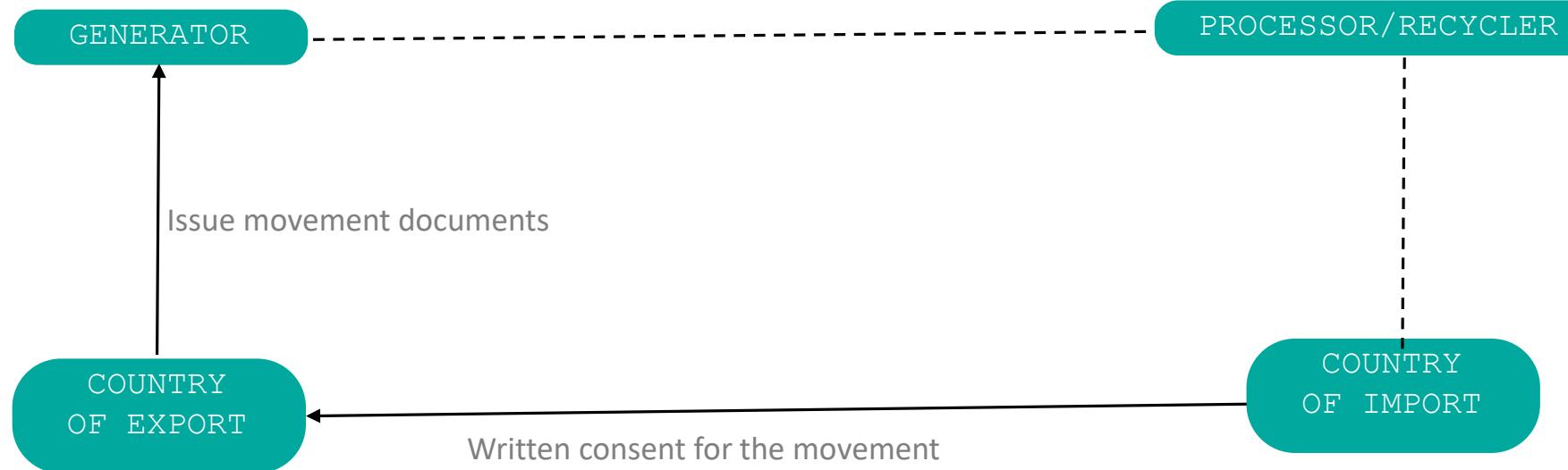
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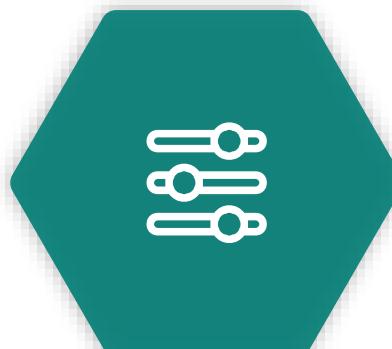
ENVIRONMENTALLY SOUND  
MANAGEMENT-ESM  
AS PER BASEL CONVENTION

# STAGE-2

## CONSENT & MOVEMENT



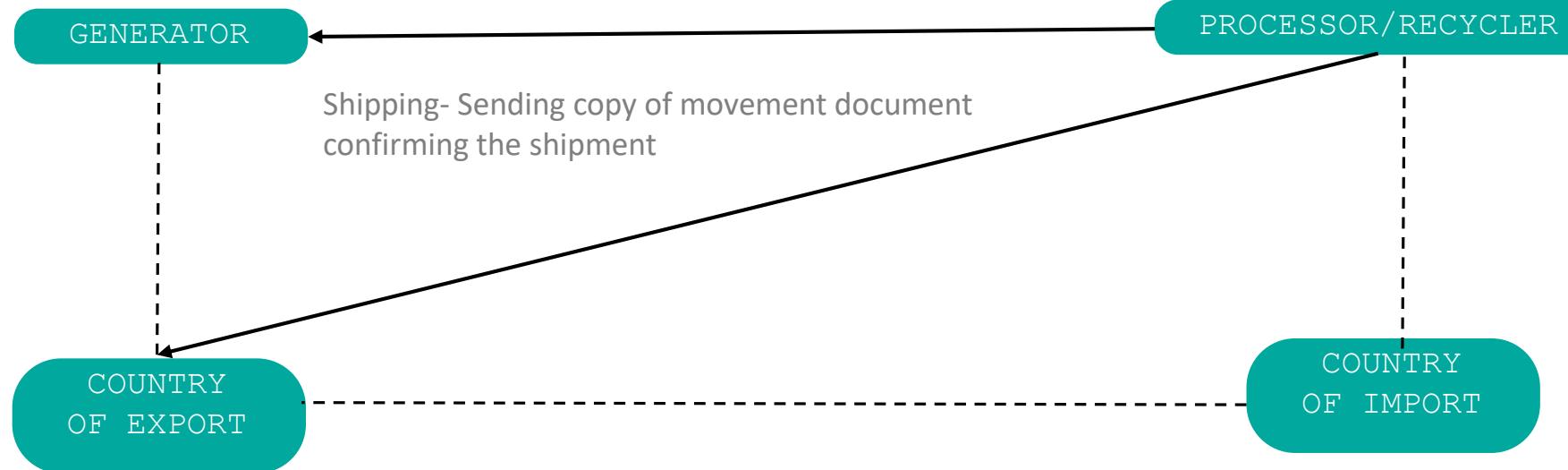
TRANS  
BOUNDARYMOVEMENT



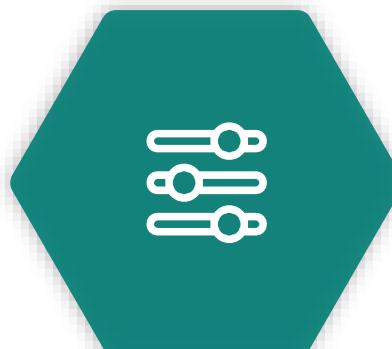
ENVIRONMENTALLY SOUND  
MANAGEMENT-ESM  
AS PER BASEL CONVENTION

# STAGE - 3

## TRANSBOUNDARY MOVEMENT



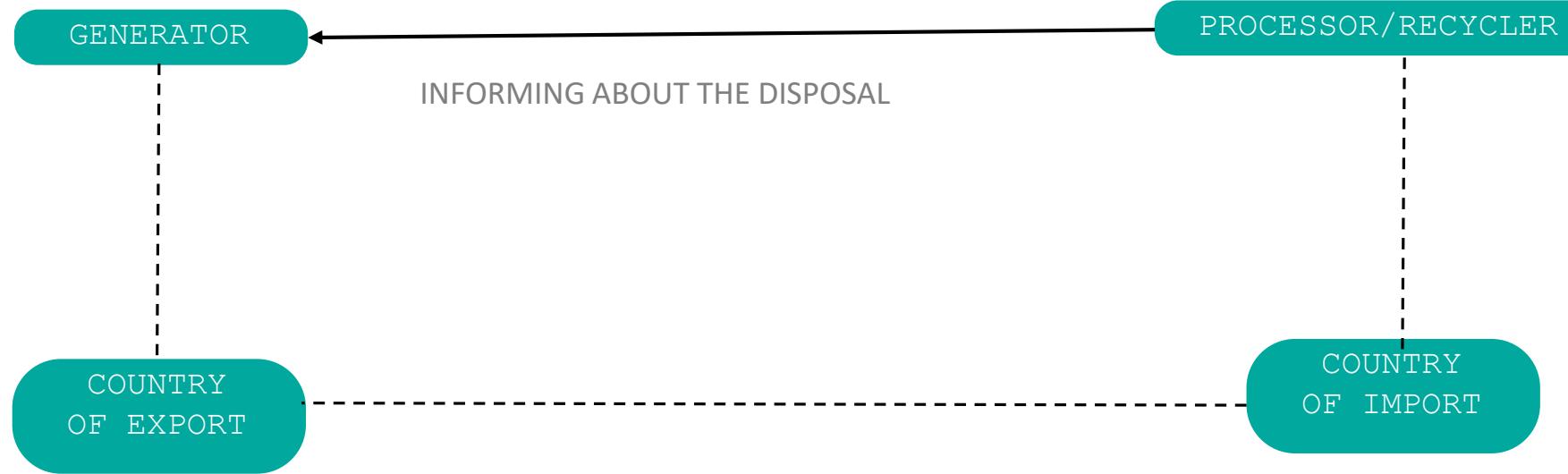
TRANS  
BOUNDARYMOVEMENT



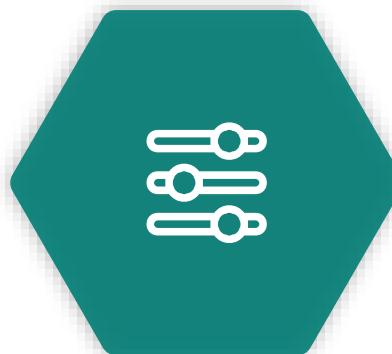
ENVIRONMENTALLY SOUND  
MANAGEMENT-ESM  
AS PER BASEL CONVENTION

# STAGE - 4

## DISPOSAL CONFIRMATION



TRANS  
BOUNDARY  
MOVEMENT

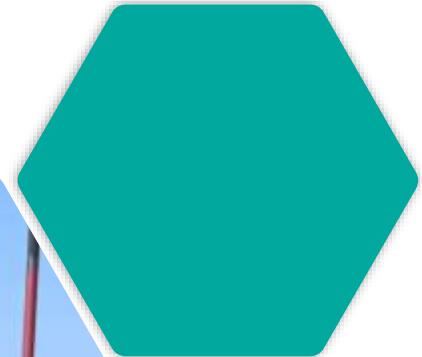


ENVIRONMENTALLY SOUND  
MANAGEMENT-ESM  
AS PER BASEL CONVENTION

# OUR PLANT GALLERIES



# OUR PLANT GALLERIES



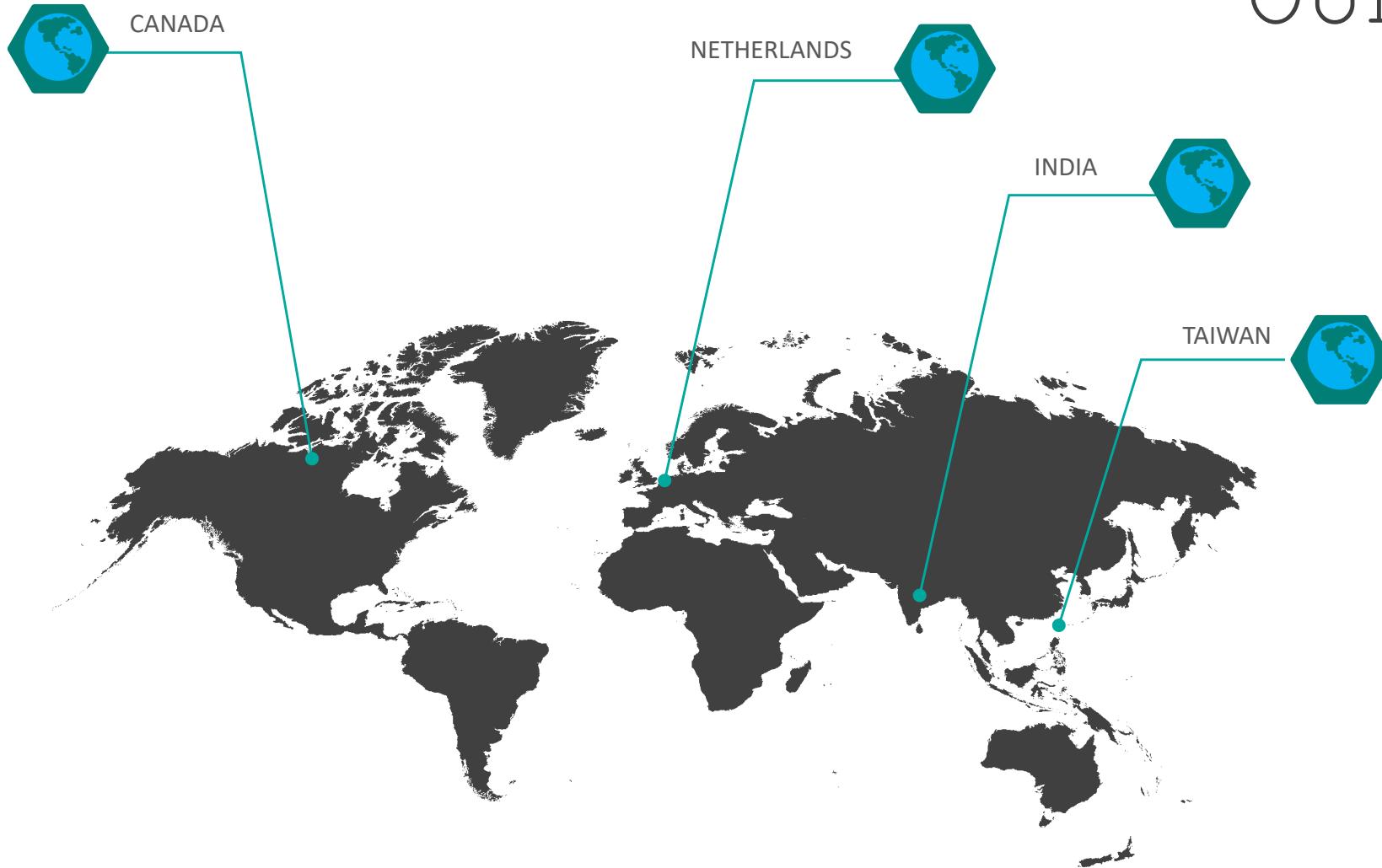
# OUR PLANT GALLERIES



# OUR PLANT GALLERIES



# OUR PRESENCE



Our footprint extends across India, Canada, Netherlands and Taiwan and with a strong and dynamic presence, we continue to positioning ourselves as a key player in the recycling and metal reclamation space.

F. No. 23/2/2023-HSMD

Date: 16<sup>th</sup> November, 2023

To,

M/s Refracast Metallurgical (P) Ltd (Unit-II),  
22, Industrial Area, P.O.- Bigrason,  
Raipur, Chhattisgarh - 493221.  
E mail ID – kunalryp@gmail.com

**Subject: Permission to import of Spent Catalyst Containing Vanadium, Nickel, Tungsten, Molybdenum, Cobalt (B1120/B1130) to M/s Refracast Metallurgical (P) Ltd (Unit-II), Raipur, Chhattisgarh – reg.**

This has reference to the application dated 05<sup>th</sup> September, 2023 submitted by M/s Refracast Metallurgical (P) Ltd (Unit-II), Raipur, Chhattisgarh to the Ministry seeking permission for import of 2,000 MT of Spent Catalyst Containing Vanadium, Nickel, Tungsten, Molybdenum, Cobalt (B1120/B1130) under the provision of Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016.

2. The matter was discussed in the 127<sup>th</sup> meeting of Expert Committee (EC) held on 16<sup>th</sup> October, 2023. EC noted that applicant has furnished Form 5, justification for import, chemical analysis report of the waste to be imported from accredited laboratory, process flow chart indicating adequate pollution control equipment and acknowledgement for receipt of copy of application from concerned State Pollution Control Board (SPCB) / Pollution Control Committee (PCC). The Consent to Operate No. 8988/TS/CECB/2023 dated 24th March, 2013 is valid up to 31<sup>st</sup> March, 2028 and Authorisation No. 4972/HSMD/HO/CECB/2021 dated 08th October, 2021 is valid up to 06th April, 2025. The consented / authorized capacity of Ferro Alloys, Refractory Monoliths, Metal Oxide, Non-Ferrous clinkers, Calcium Aluminium clinker, Synthetic slag are 1750, 50, 600, 150, 250 and 3750 MTPA respectively. The EC after deliberation on the proposal recommended import of 2,000 MT of Spent Catalyst Containing Vanadium, Nickel, Tungsten, Molybdenum, Cobalt (B1120/B1130).

3. As per the recommendations of the Expert Committee, the Ministry of Environment, Forest and Climate Change hereby accords no **objection** to import 2,000 MT of Spent Catalyst Containing Vanadium, Nickel, Tungsten, Molybdenum, Cobalt (B1120/B1130) by M/s Refracast Metallurgical (P) Ltd (Unit-II), Raipur, Chhattisgarh subject to the following conditions:

- i. The import shall be only for the intended use of recovery/manufacture/ recycling at the unit and the imported material shall not be sold further.
- ii. In case of any illegal imports, the consignment will have to be sent back to the exporting country and the importer shall bear the cost for the same.
- iii. The import shall be regularly monitored by the Concerned SPCB and the Ministry will be kept informed.



# OUR APPROVALS

## PERMISSION TO IMPORT SPENT CATALYST FROM MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE , GOVERNMENT OF INDIA



4. The permission is valid for 18 months from the date of issue of this permission or till the validity of the Consent to Operate/Authorization/Registration for recyclers as issued by the Chhattisgarh Environment Conservation Board, whichever is earlier.

5. As per the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, the Customs Authorities at all Ports/ICDs have the responsibility to verify the documents, physically verify the material prior to clearing consignments and ensure that each consignment is accompanied by a Movement Document (Form-6). They are also required to take action under the Customs Act, 1962 and Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016 against importers found to be violating these statutes.

6. The importer has to obtain an import authorization from DGFT, wherever the import policy of such items are restricted under ITC (HS)/Foreign Trade Policy/Procedures.

7. This issues with the approval of the Competent Authority.



(Ved Prakash Mishra)  
Director

Copy to:

1. The Member Secretary, Chhattisgarh Environment Conservation Board, ParyavasBhavan, North Block Sector-19, Naya Raipur, Chhattisgarh- 492002. Email: acs-cm@cg.gov.in
2. The Member Secretary, Central Pollution Control Board, Parivesh Bhawan, East Arjun Nagar, Shahdara, Delhi - 110 032. Email ID - msccb.cpcb@nic.in
3. The Director (Customs), Ministry of Finance, Department of Revenue, Central Board of Excise and Customs, North Block, New Delhi - 110 001. Email ID - dircus@nic.in
4. Additional Director General of Foreign Trade, Directorate General of Foreign Trade, Udyog Bhawan, H-Wing, Gate No.2, Maulana Azad Road, New Delhi - 110011. Email ID - import-dgft@nic.in



(Ved Prakash Mishra)  
Director

## OUR APPROVALS

### PERMISSION TO IMPORT SPENT CATALYST FROM MINISTRY OF ENVIRONMENT AND CLIMATE CHANGE , GOVERNMENT OF INDIA

S. No.	Hazardous Waste	Authorized mode of disposal of recycling or utilization or co-processing etc.	Quantity/Year
1.	Spent Catalyst Containing, Nickel, Cobalt, Compounds, Vanadium. (Schedule-IV/10)		
2.	Spent Catalyst and Molecular Sieves. (Schedule – I, Item Cat. No. 1.6, 4.2, 17.2 and 18.1		
3.	Cobalt, Copper, Molybdenum, Nickel, Vanadium, Zinc, Tungsten compounds (Schedule – II, Item No./Class A65, A66, A67, A68, A70, A71, Item no. Class B- S.No. 38)	Recycling or Utilization	11000 MT/Annum
4.	Cobalt, Copper, Molybdenum, Nickel, Vanadium, Zinc, Tungsten (Schedule – III, Item No./Basel No. B-1120)		

The amended authorization shall be valid for the period upto **06/04/2025**. The details of authorization along with terms & conditions are given as per below:-

**FORM 2**  
**[See rule 6 (2)]**

**GRANT OF AMENDMENT IN EXISTING AUTHORIZATION BY STATE POLLUTION CONTROL BOARD TO THE OCCUPIERS, RECYCLERS, REPROCESSORS, REUSERS, USER AND OPERATORS OF DISPOSAL FACILITIES**

1. Number of authorization 666/HO/HSMD/CECB/ATAL NAGAR, RAIPUR.
2. Reference of Online application no. **15727581** dated **21/05/2024**, Subsequent Correspondence ending dated **13/06/2024** and Inspection report received on **05/07/2024**.
3. The operator of facility i.e. occupier **M/s Refracast Metallurgical Private Limited (Unit-II), Industrial Area Bhanpuri, Raipur, District – Raipur (C.G.)** is hereby granted an amendment in authorization based on the signed inspection report from RO for Generation, Collection, Storage, Transportation, Reception, Utilisation, Treatment, Disposal of hazardous wastes in the premises situated at **Industrial Area Bhanpuri, Raipur, District – Raipur (C.G.)**.

# OUR APPROVALS

**HAZARDOUS WASTE  
 AUTHORIZATION  
 VALID UPTO  
 06-04-2025**



**CHHATTISGARH ENVIRONMENT CONSERVATION BOARD**  
Paryavas Bhawan, North Block, Sector - 19,  
Nav Raipur Atal Nagar, District - Raipur (C.G.)  
E-mail - hocecb@gmail.com

No. 8988 /TS/CECB/2023

Nava Raipur Atal Nagar, Dated 24/03/ 2023

To,

M/s Refract Metallurgical Private Limited (Unit - II)  
 Industrial Area Bhanpuri, Raipur,  
District - Raipur (C.G.)

Sub: - Renewal of the consent of the Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981.

Ref: - 1. Consent of the Board issued by Chhattisgarh Environment Conservation Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 1964/RO/TS/CECB/2007 Raipur, dated: 19/07/2007 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 1962/RO/TS/CECB/2007 Raipur, dated: 19/07/2007.  
 2. Renewal of the consent issued by Chhattisgarh Environment Conservation Board under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 vide letter no. 7794/RO/TS/CECB/2018 Raipur, dated: 22/03/2018 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 vide letter no. 7795/RO/TS/CECB/2018 Raipur, dated: 22/03/2018.  
 3. Your online application dated: 31/12/2022 and subsequent correspondence ending dated 21/10/2023 (online application no. 11452506)

-::: OO :::-

With reference to your above application, consents under section 25 of the Water (Prevention and Control of Pollution) Act, 1974 and under section 21 of the Air (Prevention and Control of Pollution) Act, 1981 are hereby renewed for a period of five years i.e. from 01/04/2023 to 31/03/2028, subject to the fulfillment of the terms and conditions incorporated in the water consent letter no. 1964/RO/TS/CECB/2007 Raipur, dated: 19/07/2007 and air consent letter no. 1962/RO/TS/CECB/2007 Raipur, dated: 19/07/2007, subsequent renewal issued by the Board and additional conditions mentioned below.

These renewal of consents are valid for production capacity of: -

S. No.	Product	Production Capacity
01	Ferro Alloys (Ni)	1,750 Metric Tonnes Per Year (One Thousand Seven Hundred Fifty Metric Tonnes Per Year)
	Ferro Alloys (Ni Mo)	
	Ferro Alloys (Mo)	
	Ferro Alloys (Mo Cobalt)	1
	Ferro Alloys (Cobalt)	
	Ferro Alloys (Cu Ni)	
	Ferro Alloys (Niobium)	
	Ferro Alloys (Tantalum)	
	Many More	
02	Refractory Monolithies	50 Metric Tonnes Per Year (Fifty Metric Tonnes Per Year)
	By Products	
03	Metal Oxide (Ferro Alloys)	600 Metric Tonnes Per Year (Six Hundred Metric Tonnes Per Year)
04	Non Ferrous Clinkers (Ferro Alloys)	150 Metric Tonnes Per Year (One Hundred Fifty Metric Tonnes Per Year)
05	Calcium Aluminum Clinkers (Ferro Alloys)	250 Metric Tonnes Per Year (Two Hundred Fifty Metric Tonnes Per Year)
06	Synthetic Slag/Catalytic	3,750 Metric Tonnes Per Year (Three Thousand Seven Hundred Fifty Metric Tonnes Per Year)

# OUR APPROVALS

AIR AND WATER  
CONSENT  
VALID UPTO 31-03-2028



Government of India / भारत सरकार  
Ministry of Commerce and Industry / वाणिज्य और उद्योग मंत्रालय  
Department of Commerce / वाणिज्य विभाग  
Directorate General of Foreign Trade / विदेश व्यापार महानिदेशालय  
Directorate General of Foreign Trade, Delhi / विदेश व्यापार महानिदेशालय, दिल्ली  
VANIJYA BHAWAN, AKBAR ROAD, CENTRAL DELHI, DELHI, 110011 / वाणिज्य भवन, अकबर  
रोड, नई दिल्ली  
Email Office : dgft@nic.in , Phone Office : 011-23062777  
(This is a system generated Authorisation/License/Script issued to the applicant.)

LICENCE/AUTHORISATION/SCRIP : IMPORT LICENSE FOR RESTRICTED ITEMS OF IMPORTS

Name of Office issuing Authorization	DGFT(HQ)
Name of the Firm	REFRACAST METALLURGICALS PRIVATE LIMITED
Address of Firm	22, INDUSTRIAL AREA, POST : BIRGAON, RAIPUR, CHHATTISGARH, CHHATTISGARH, RAIPUR, 493221
IEC	1197000429
Importer Type	Manufacturer Exporter
File Number	HQRXIMLAPPLY00002582AM23
License/Authorization/Script No. and Date of Issue	Please refer header details
Value of Imports in CIF in Rs.	150000000.00
Value of Imports in CIF in FCC US Dollars	1796407.19

# OUR APPROVALS

APPROVAL OF IMPORT  
FROM DIRECTORATE  
GENERAL OF FOREIGN  
TRADE , GOVERNMENT OF  
INDIA

# OUR CONTACT DETAILS

Thank You

**REFRACAST METALLURGICALS PVT LTD**  
ASHOKA PARK BUILDING  
KUTCHANNA ROAD , SHANKAR NAGAR RAIPUR  
-CHHATTISGARH-INDIA-492007

[www.refemt.org](http://www.refemt.org)