

CORPORATE PROFILE

By
Refracast Metallurgicals Pvt
INDIA



Leading recyclers of Spent Catalyst



We would like to introduce ourselves as "**Refracast Metallurgicals 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

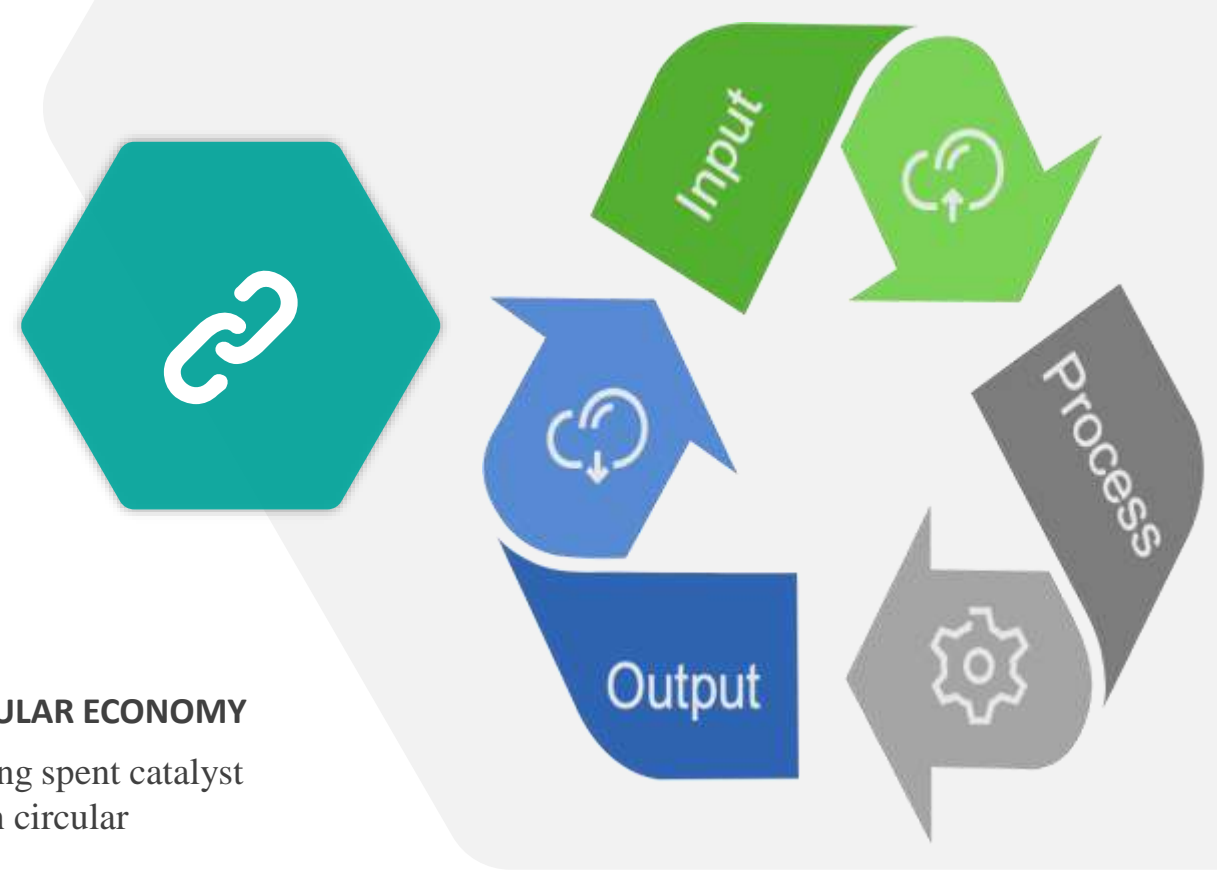
CONTRIBUTING TOWARDS CIRCULAR ECONOMY

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



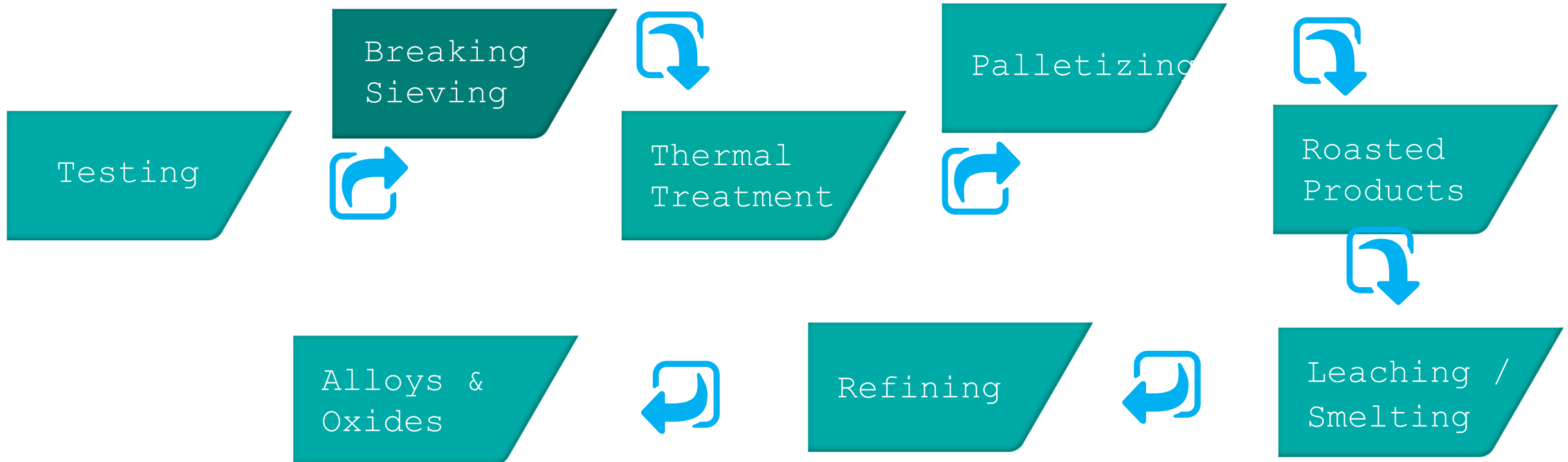
PYROMETALLURGY-

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 .



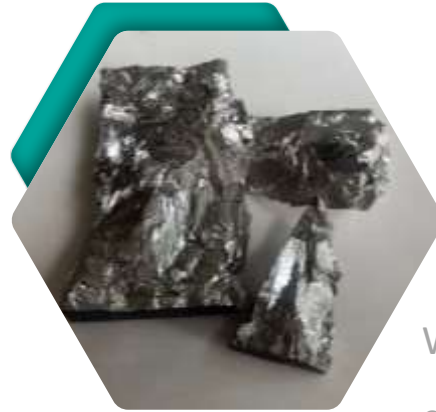
WE DO NOT GENERATE ANY WASTE



Calcium
Molybdate



Ferro Tungsten
Molybdenum



Ferro
Vanadium



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.

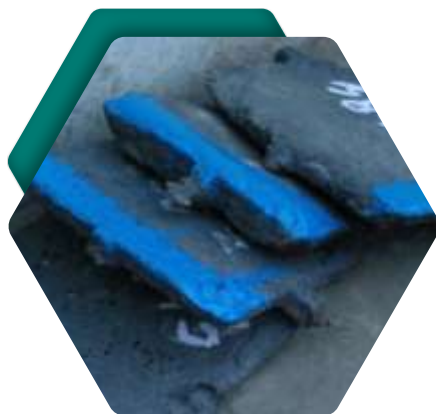


Vanadium
Flakes



Ferro
Tungsten

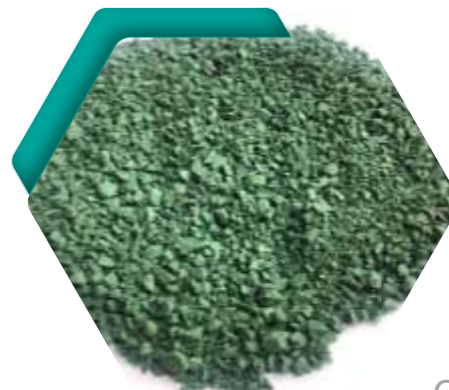
OUR PRODUCTS



Ferro Cobalt
Molybdenum



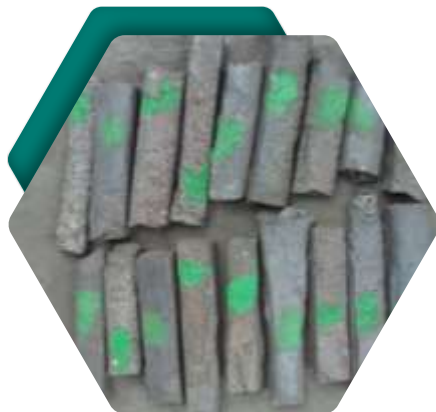
Ferro
Nickel



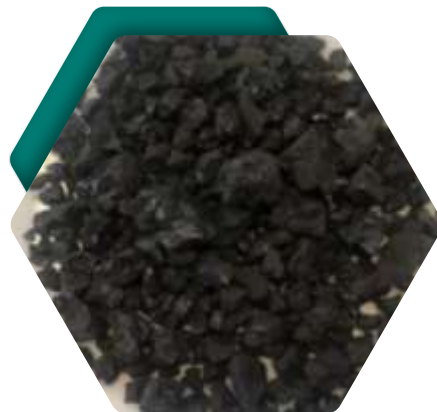
Nickel Oxide &
Hydroxide



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



Ferro Nickel
Moly



Cobalt oxide &
Hydroxide

OUR PRODUCTS



AND MORE.....

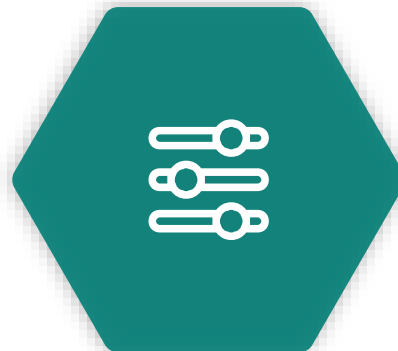
Our Associates

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.



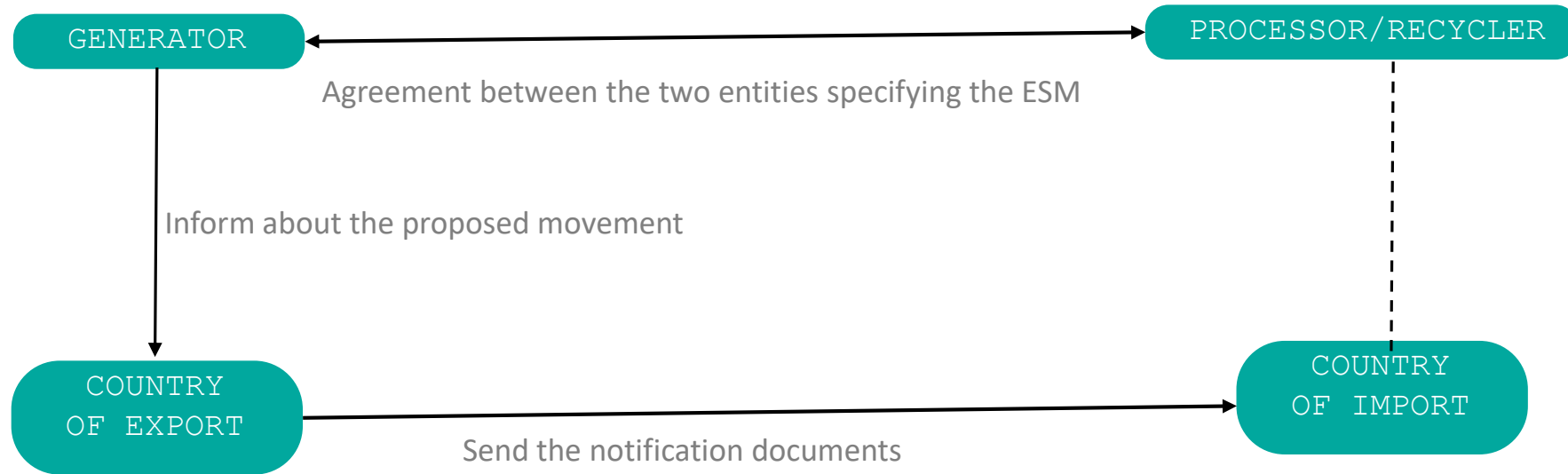
We follow the norms and procedures laid down by Government of India, which in turn is governed by **BASEL Convention Norms** for Hazardous Waste Management and Recycling. Accordingly, we has been given permanent registration and authorization by Environmental Conservation board under the Ministry of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

TRANS BOUNDARYMOVEMENT

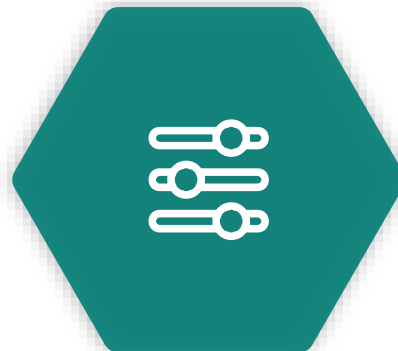


STAGE-1

NOTIFICATION



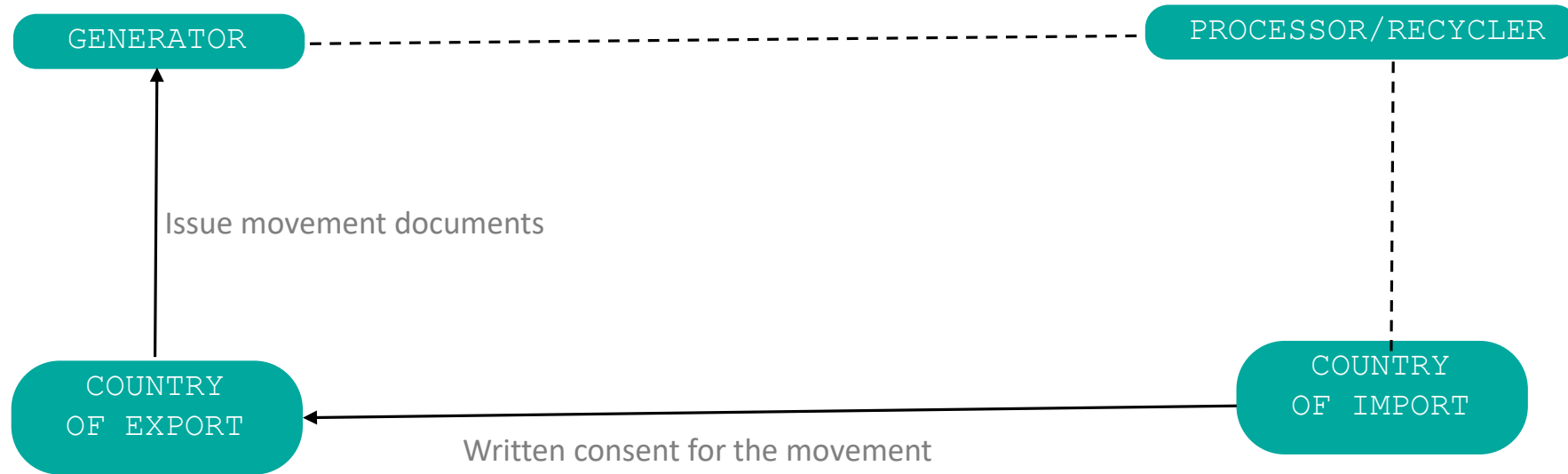
TRANS
BOUNDARY MOVEMENT



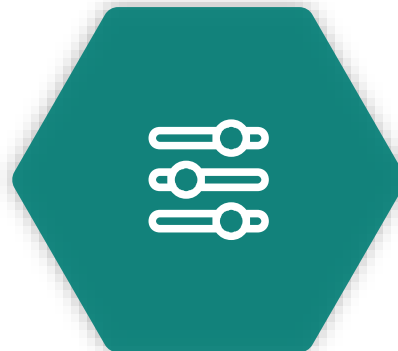
ENVIRONMENTALLY SOUND
MANAGEMENT-ESM
AS PER BASEL CONVENTION

STAGE-2

CONSENT & MOVEMENT



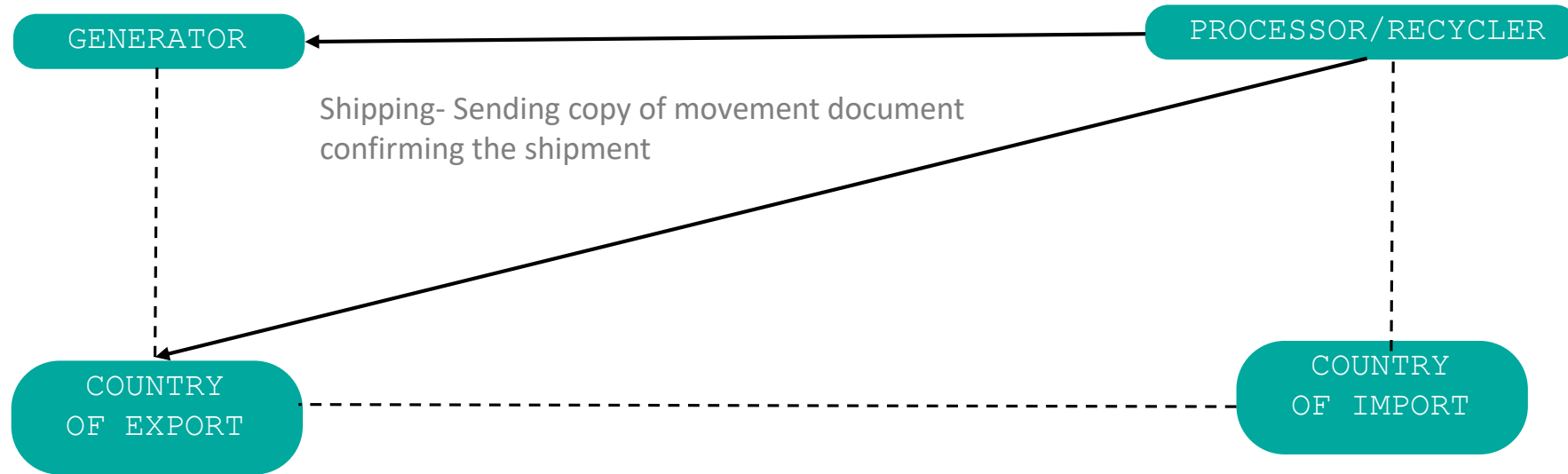
TRANS
BOUNDARY MOVEMENT



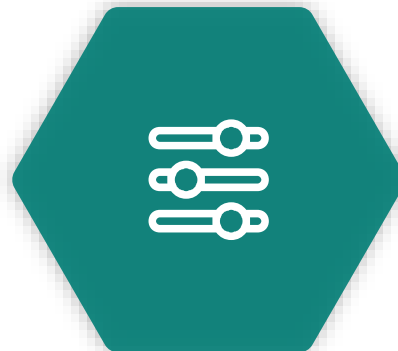
ENVIRONMENTALLY SOUND
MANAGEMENT-ESM
AS PER BASEL CONVENTION

STAGE-3

TRANSBOUNDARY MOVEMENT



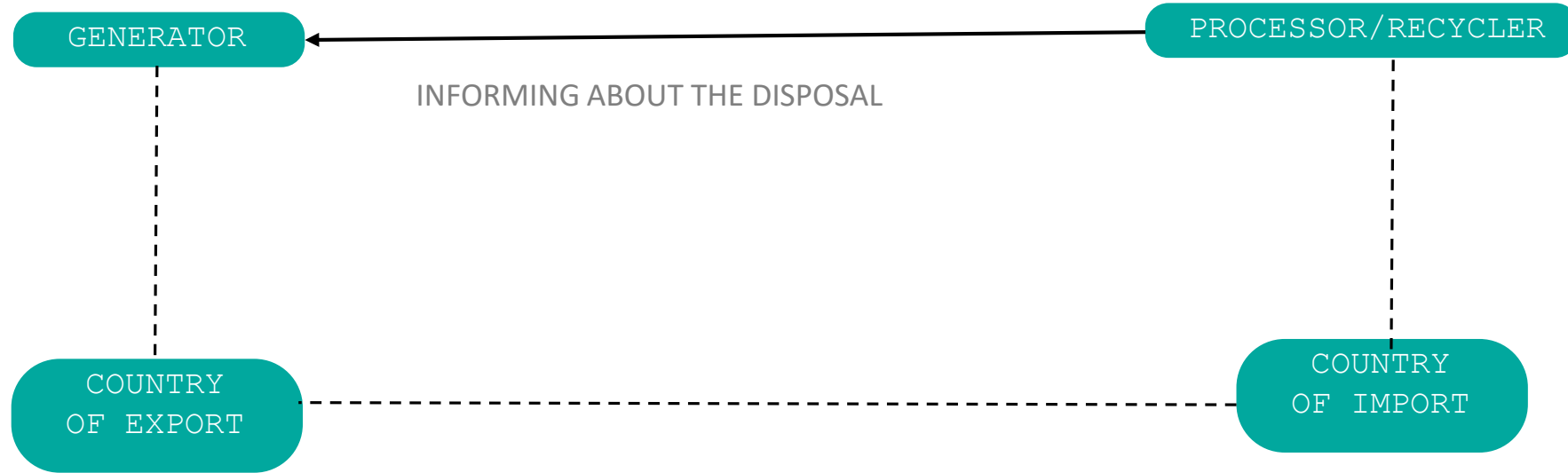
TRANS
BOUNDARYMOVEMENT



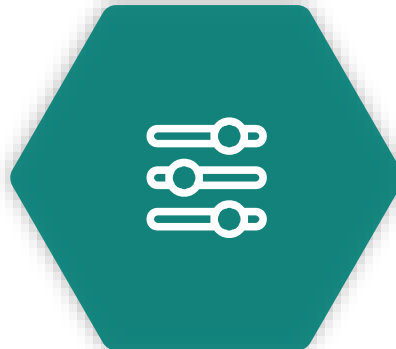
ENVIORNMENTALLY SOUND
MANAGEMENT-ESM
AS PER BASEL CONVENTION

STAGE-4

DISPOSAL CONFIRMATION



TRANS
BOUNDARY MOVEMENT



ENVIRONMENTALLY SOUND
MANAGEMENT-ESM
AS PER BASEL CONVENTION



OUR PLANT
GALLERIES



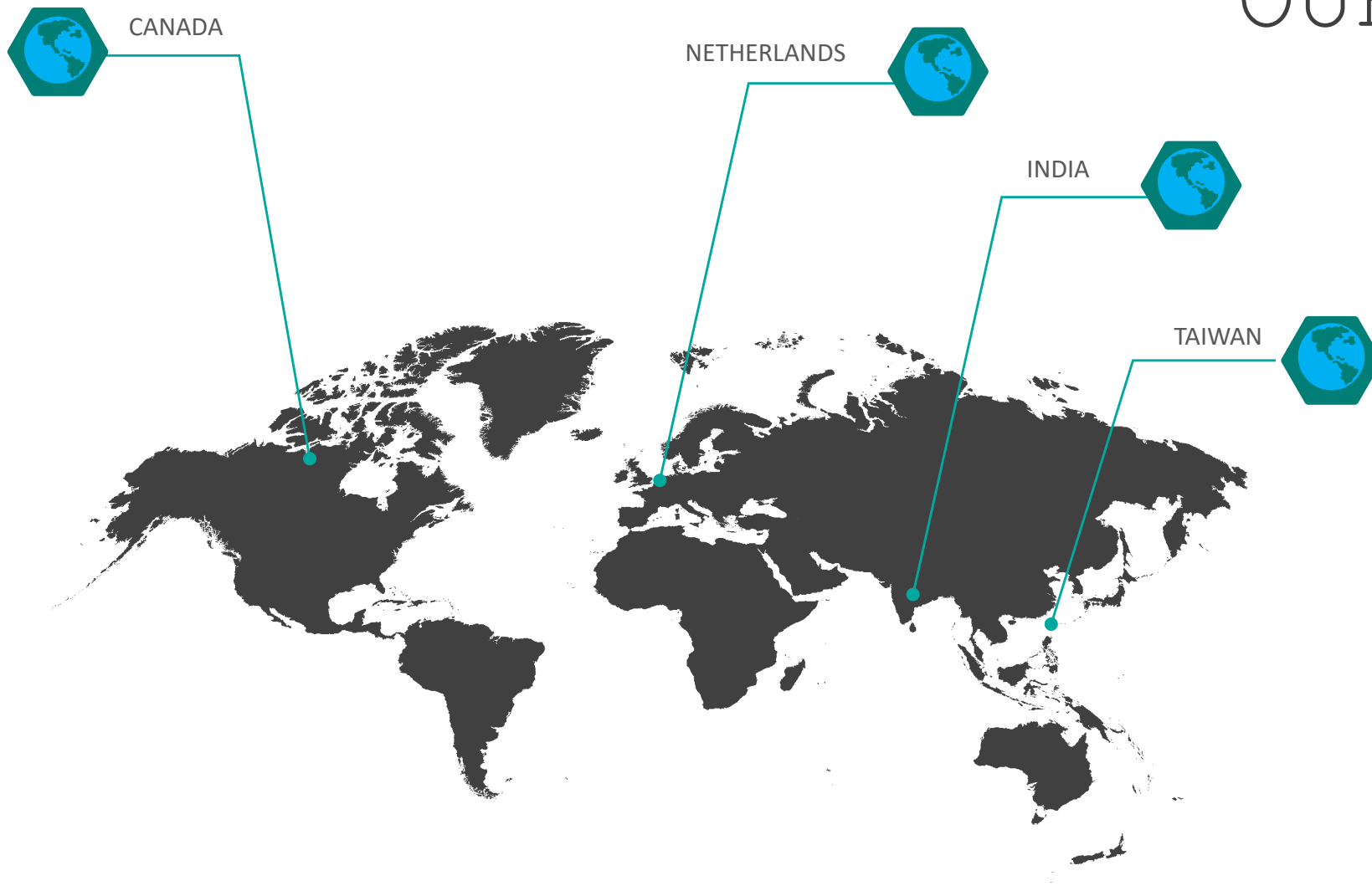
OUR PLANT
GALLERIES



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.



भारत सरकार
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
GOVERNMENT OF INDIA
MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE
इंदिरा पर्यावरण भवन, जोर बाग रोड़
नई दिल्ली-110003
INDIRA PARYAVARAN BHAWAN, JOR BAGH ROAD
NEW DELHI-110003
Website : moef.nic.in

F. No. 23/2/2023-HSMD

Date: 16th November, 2023

To,

M/s Refracast Metallurgical (P) Ltd (Unit-II),
22, Industrial Area, P.O.- Bagraon,
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 05th 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 127th meeting of Expert Committee (EC) held on 16th 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 31st 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

OUR APPROVALS

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 - mscb.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

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)	Recycling or Utilization	11000 MT/Annum
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)		
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 Metallurgicals 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,
Nava 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 Refracast 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)

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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
VANIYA 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/Scrip 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/Scrip 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

Thank You

OUR CONTACT DETAILS

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

www.refemt.org