



हिन्दुस्तान कॉपर लिमिटेड

HINDUSTAN COPPER LIMITED

CIN No. : L27201WB1967GO1028825

भारत सरकार का उपक्रम  
A GOVT. OF INDIA ENTERPRISE

पंजीकृत एवं प्रधान कार्यालय  
Registered & Head Office

ताम्र भवन TAMRA BHAVAN  
1, आशुतोष चौधरी एवेन्यू  
1, Ashutosh Chowdhury Avenue,  
पो.बॉ.सं. P.B. NO. 10224  
कोलकाता KOLKATA- 700 019

No. HCL/SCY/SE/ 2016

19<sup>th</sup> August, 2021

The Sr. General Manager  
Dept. of Corporate Services  
BSE Limited  
Phiroze Jeejeebhoy Towers  
Dalal Street  
Mumbai 400 001  
BSE Scrip Code: 513599

The Vice President  
Listing Department  
National Stock Exchange of India Ltd  
Exchange Plaza, C-1, Block G  
Bandra-Kurla Complex, Bandra(East)  
Mumbai 400 051  
NSE Symbol: HINDCOPPER

Sir / Madam,

Sub: Disclosure under the SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015

In accordance with the SEBI (Listing Obligation and Disclosure Requirements) Regulations, 2015, please find below the Schedule of Institutional Investors meet to be held on 20<sup>th</sup> August, 2021 through video conferencing:

Sr. No.	Meeting Schedule		Name of Investors
	Start Time	End Time	
1	11:00 am	12:00 noon	White Oak Capital

It may please be noted that above Schedule may undergo changes.

It is further informed that a copy of Corporate Presentation on Hindustan Copper Ltd (August, 2021) is available under 'Investor Relations' at Company's website [www.hindustancopper.com](http://www.hindustancopper.com). The same is also enclosed herewith.

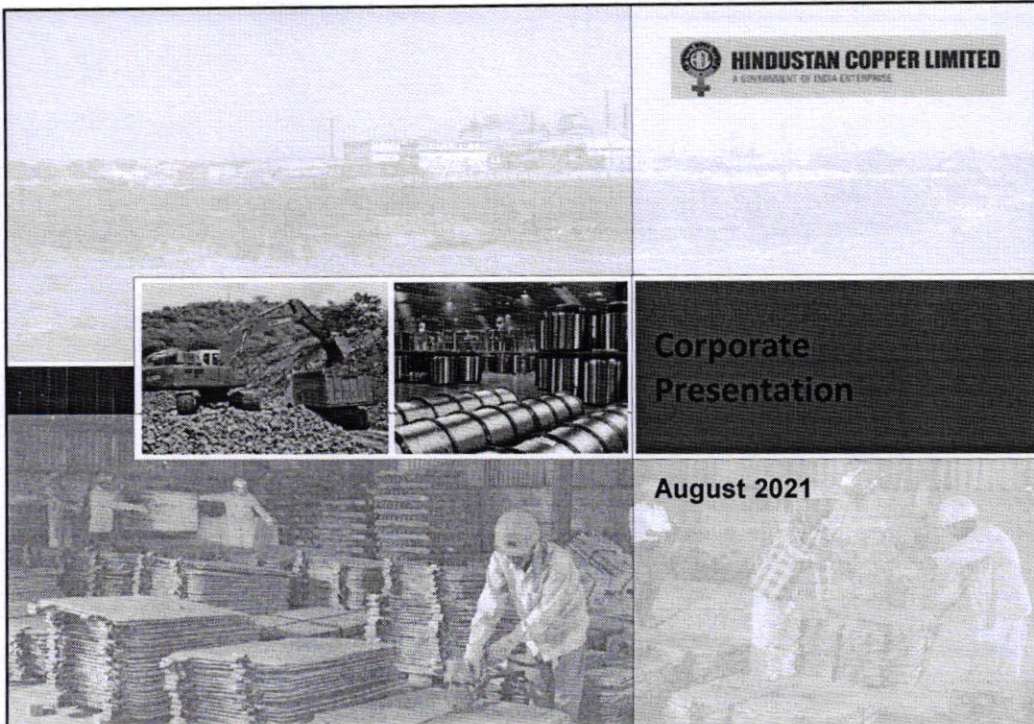
The above is submitted for information and record please.

Thanking you,

Yours faithfully,

(C S Singhi)  
ED (Co Secretary)

Encl: As stated



## Disclaimer

The information contained in this presentation is provided by Hindustan Copper Limited (the "Company") to you solely for your information. This document is highly confidential and being given solely for information purpose only and may not be retained by you and neither this presentation nor any part thereof may be (i) used or relied upon by any other party or for any other purpose; (ii) copied, photocopied, duplicated or otherwise reproduced in any form or by any means; or (iii) re-circulated, redistributed, passed on, published in any media, website or otherwise disseminated, to any other person, in any form or manner, in part or as a whole, without the prior written consent of the Company. Any unauthorized use, disclosure or public dissemination of information contained herein is prohibited. This presentation does not purport to be a complete description of the markets' conditions or developments referred to in the material.

This presentation is not a prospectus, a statement in lieu of a prospectus, an offering circular, an advertisement or an offer document under the Companies Act, 2013, and the rules made thereunder, as amended, the Securities and Exchange Board of India (Issue of Capital and Disclosure Requirements) Regulations, 2016, as amended, or any other applicable law in India.

This presentation is for private circulation only and does not constitute and should not be construed as an offer or invitation or inducement to sell or issue, or any solicitation of any offer to purchase or subscribe for, any securities of the Company, nor shall it or any part of it or the fact of its distribution form the basis of, or be relied on in connection with, any contract or commitment therefor. This presentation is for general information purposes only, without regard to any specific objectives, financial situations or informational needs of any particular person.

No representation, warranty, guarantee or undertaking, express or implied, is or will be made or any assurance given as to, and no reliance should be placed on, the fairness, accuracy, completeness or correctness of any information, estimates, projections or opinions contained herein. Potential investors must make their own assessment of the relevance, accuracy and adequacy of the information contained in this presentation and must make such independent investigation as they may consider necessary or appropriate for such purpose. The statements contained in this presentation speak only as at the date as of which they are made, and the Company expressly disclaims any obligation or undertaking to supplement, amend or disseminate any updates or revisions to any statements contained herein to reflect any change in events, conditions or circumstances on which any such statements are based. Neither the Company nor any of its respective affiliates, its board of directors, its management, advisers or representatives, including any lead managers and their affiliates, or any other persons that may participate in any offering of securities of the Company, shall have any responsibility or liability whatsoever (in negligence or otherwise) for any loss howsoever arising from any use of this presentation or its contents or otherwise arising in connection with this presentation.

The Company may alter, modify or otherwise change in any manner the contents of this presentation, without obligation to notify any person of such revision or changes. Past performance information in this presentation should not be relied upon as an indication of (and is not an indicator of) future performance. Certain statements made in this presentation may be "forward looking statements" for purposes of laws and regulations of India and other than India. These statements include descriptions regarding the intent, belief or current expectations of the Company or its directors and officers with respect to the results of operations and financial condition, general business plans and strategy, the industry in which the Company operates and the competitive and regulatory environment of the Company. These statements can be recognized by the use of words such as "expects," "plans," "will," "estimates," "projects," or other words of similar meaning. Such forward-looking statements are not guarantees of future performance and involve risks and uncertainties, and actual results may differ from those in such forward-looking statements as a result of various factors and assumptions, including future changes or developments in the Company's business, its competitive environment, information technology and political, economic, legal, regulatory and social conditions in India, which the Company believes to be reasonable in light of its operating experience in recent years. The Company does not undertake to revise any forward-looking statement that may be made from time to time by or on behalf of the Company.

This presentation contains data sourced from and the views of independent third parties. In replicating such data in this document, the Company does not make any representation, whether express or implied, as to the accuracy of such data. The replication of any third party views in this document should not necessarily be treated as an indication that the Company agrees with or concurs with such views.

This presentation is not an offer to sell or a solicitation of any offer to buy the securities of the Company in the United States or in any other jurisdiction where such offer or sale would be unlawful. Securities may not be offered, sold, resold, pledged, delivered, distributed or transferred, directly or indirectly, in to or within the United States absent registration under the United States Securities Act of 1933, as amended (the "Securities Act"), except pursuant to an exemption from, or in a transaction not subject to, the registration requirements of the Securities Act and in compliance with any applicable securities laws of any state or other jurisdiction of the United States. The Company's securities have not been and will not be registered under the Securities Act. Neither this document nor any part or copy of it may be distributed, directly or indirectly, in the United States. The distribution of this document in certain jurisdictions may be restricted by law and persons into whose possession this presentation comes should inform themselves about and observe any such restrictions. By reviewing this presentation, you agree to be bound by the foregoing limitations. You further represent and agree that you are located outside the United States and you are permitted under the laws of your jurisdiction to receive this presentation. Any failure to comply with these restrictions may constitute a violation of applicable securities laws.

2

## Company Overview

### The Copper Miner to The Nation



<b>Long Standing Presence with strong Parentage</b>	<ul style="list-style-type: none"> <li>A 'Miniratna' Category 1 CPSEs</li> <li>5 decades of extensive experience in copper mining &amp; refined copper production</li> <li>Government of India (GoI) shareholding of 72.76%</li> </ul>
<b>Vertically Integrated Operations</b>	<ul style="list-style-type: none"> <li>Sole vertically integrated producer of refined copper in India</li> <li>Major facilities include mining, ore beneficiation, smelting, refining and extruding of refined copper into downstream products</li> </ul>
<b>Sole Copper Ore Producer in India</b>	<ul style="list-style-type: none"> <li>Only operating copper ore mining company in India</li> <li>Owens all the operating mining lease of copper ore</li> <li>Proven experience and expertise in developing and operating copper mines</li> </ul>
<b>Access to Substantial Reserves &amp; Resources</b>	<ul style="list-style-type: none"> <li>Has access to about 2/5<sup>th</sup> of India's copper ore reserves and resources</li> <li>Reserves: 166.98 Million tonnes<sup>1</sup> (estimated balance as on 01.04.2021)</li> <li>Resources &amp; Reserves: 623.91 Million tonnes<sup>1</sup> (estimated balance as on 01.04.2021)</li> </ul>
<b>Clear Roadmap for Expansion backed by exponential demand</b>	<ul style="list-style-type: none"> <li>Phase I   Increase capacity from 3.97 MTPA to 12.2 MTPA – currently under implementation</li> <li>Phase II   12.2 MTPA to 20.2 MTPA.</li> </ul>
<b>Robust Financial Performance</b>	<ul style="list-style-type: none"> <li>Market Capitalization – Rs. 1,22,812 Million<sup>2</sup></li> <li>June 30, 2021 (03 months) Revenue from Operations   Rs. 2,787 million, PAT   Rs. 456 million<sup>3</sup></li> <li>Credit Rating: Short Term: ICRA A1+; Long Term: ICRA AA(Stable)<sup>4</sup></li> </ul>

**Notes:**

1. Reserves and Resources as on dated April 1, 2021
2. BSE as on Aug 17, 2021
3. Based on stock exchange filings for the period ended June 30<sup>th</sup>, 2021
4. ICRA credit rating report, October 2020
5. MTPA – Million Tonnes Per Annum

## Units of HCL

Khetri Copper Complex (KCC) <sup>1</sup>	
State	Rajasthan
Inception	1967
Facility	Mining (underground) & Beneficiation
Product	Copper Concentrate
Capacity (As per EC)	Ore   3.0 mn tonnes p.a.

Gujarat Copper Project (GCP)	
State	Gujarat
Acquisition	2015
Facility	Secondary smelting & Refining
Product	Copper cathode, anode slime
Capacity	Cathode   50,000 tonnes p.a.

Taloja Copper Project (TCP)	
State	Maharashtra
Inception	1988
Facility	Continuous casting
Product	Copper wire rod
Capacity	CC Rods   60,000 tonnes p.a.

Indian Copper Complex (ICC)	
State	Jharkhand
Inception	1924, Nationalized in 1972
Facility	Mining (Underground), Beneficiation Smelting & Refining
Product	Copper concentrate, cathode, anode slime, sulphuric acid & copper sulphate
Capacity (As per EC)	Ore   4.35 mn tonnes p.a. Cathode   18,500 tonnes p.a.

Malanjkhand Copper Project (MCP)	
State	Madhya Pradesh
Inception	1982
Facility	Mining (opencast & underground), Beneficiation
Product	Copper Concentrate
Capacity (As per EC)	Ore   5 mn tonnes p.a.

EC | Environmental Clearance  
 Note 1: EAC of MoEF&CC, Govt recommended for 0.9 Mtpa for Surda Mine at ICC  
 Source: Chartered Engineer certificate dated March 2, 2021

## Evolution & Share Holding Structure

### Evolution of Hindustan Copper

Year	Event
1967	Hindustan Copper was setup in 1967 with 100% Govt ownership and assets at Khetri, Rajasthan transferred to Hindustan Copper from NMDC Limited
1972	Government of India nationalized Indian Copper Corporation Limited, Ghatsila, Jharkhand and merged with Hindustan Copper
1988	Wire rod copper plant at Taloja was commissioned
2008	Government of India granted Hindustan Copper Limited status of "Miniratna category -I"
2015	Firmed up major expansion projects to enhance mine capacity from 3.4 mtpa to 12.2 mtpa in Phase-I which is under implementation
2018	New mine at Banwas was completed and production commenced
2021	MCP underground mines under final stages of completion. Kendadih mines Development complete

### Shareholding Pattern <sup>3</sup>

Listed on BSE and NSE
Number of Shares: 967.0 mn
Share Price (52Wk High/Low): Rs. 196.90 / Rs. 31.45 <sup>2</sup>
Market Cap: Rs. 1,22,812.1 Million (17/08/2021)

Notes:  
 1. Platts 2016 global metal awards; <https://gma.platts.com> Golden Peacock award for CSR in Jan 2017, CSR Leadership awards in 2019  
 2. BSE as of August 17, 2021  
 3. Shareholding position as on June 30, 2021

## Key Highlights

- 1 Significant Growth Potential in Copper Consumption in India
- 2 Only Vertically Integrated Operations for refined copper
- 3 Sole Operating Copper Ore mining Company in India
- 4 Access to Substantial Copper Ore Reserves in India
- 5 Clear Roadmap for Expansion backed by exponential demand
- 6 Healthy Financial Performance

7

## 1a Global Copper Production and Usage Highlights

### World Refined Copper Usage

(mn tonnes)

Year	Usage (mn tonnes)
2014	22.9
2015	23.0
2016	23.5
2017	12,900
2018	24.5
2019	24.4
2020	25.0

▪ **Equipment** was the largest end use sector followed by building construction and Infrastructure.

### Refined Copper Usage by Region (2019)

Region	Percentage
Asia	71%
Europe	16%
N. America	10%
Latin America	2%
Africa	1%

### Major Uses of Copper in 2019

#### First Use (Semis Production)

Product	Percentage
Wire	63%
Flat Rolled Products (plate, sheet & strip)	12%
Tube	12%
Rods, Bars & Sections	10%
Foil	3%

#### End Use

End Use	Percentage
Equipment	31%
Building and Construction	28%
Infrastructure	16%
Transport	13%
Industrial	12%

### World Refined Copper Production (Primary+Secondary)

(mn tonnes)

Year	Production (mn tonnes)
2014	22.5
2015	22.8
2016	23.4
2017	12,900
2018	24.1
2019	24.0
2020	24.4

▪ Secondary refined production for 2020 was 3.8 Mn. tonnes.

Source : The World Copper Factbook, 2020, by International Copper Study Group & ICSG Press Release, March 2021

8

## 1b Significant Growth Potential in Copper Consumption in India

### India's Per Capita Copper Consumption currently low – Expected to increase substantially

(kg/person)

Country	Per Capita Consumption (kg/person)
China	8.4
USA	4.8
India	0.50

Source: Ministry of Mines, Annual Report 2019-20

### Domestic Copper Consumption to Increase

#### Refined Copper Consumption

(Lakh tonnes)

Fiscal Year	Consumption (Lakh tonnes)
FY 16	6.2
FY 17	6.7
FY 18	6.5
FY 19	6.7
FY 20	7.1

Copper demand in electrical segment is growing due to demand in infra sector as a result of affordable housing schemes, rural electrification and more urbanization.

---

### Refined Copper Consumption

#### World

#### India

India's copper consumption is concentrated in Electrical industry in contrast with the rest of the world which is concentrated in Building and Construction

Source: Ministry of Mines, <http://mines.nic.in/>

### Government initiatives will further Increase Growth of the Copper Consuming Industries

- Make in India**      **100 Smart City Projects**
- Metro and Railway Projects**      **Aatmanirbhar Bharat in Defence**
- 100 GW target for Renewable Energy by 2022**
- PLI schemes for Consumer electronics industry**
- Accelerated growth for Electric Vehicles**

Source:  
 1 Ministry of power, <http://powermin.nic.in/>  
 2 Make in India, <http://makeinindia.com/>

## Mining Capacity to increase on the backing of demand

### World Copper Mine Capacity to increase

(mn tonnes)

Year	Capacity (mn tonnes)
2019A	24.1
2024E	29.5

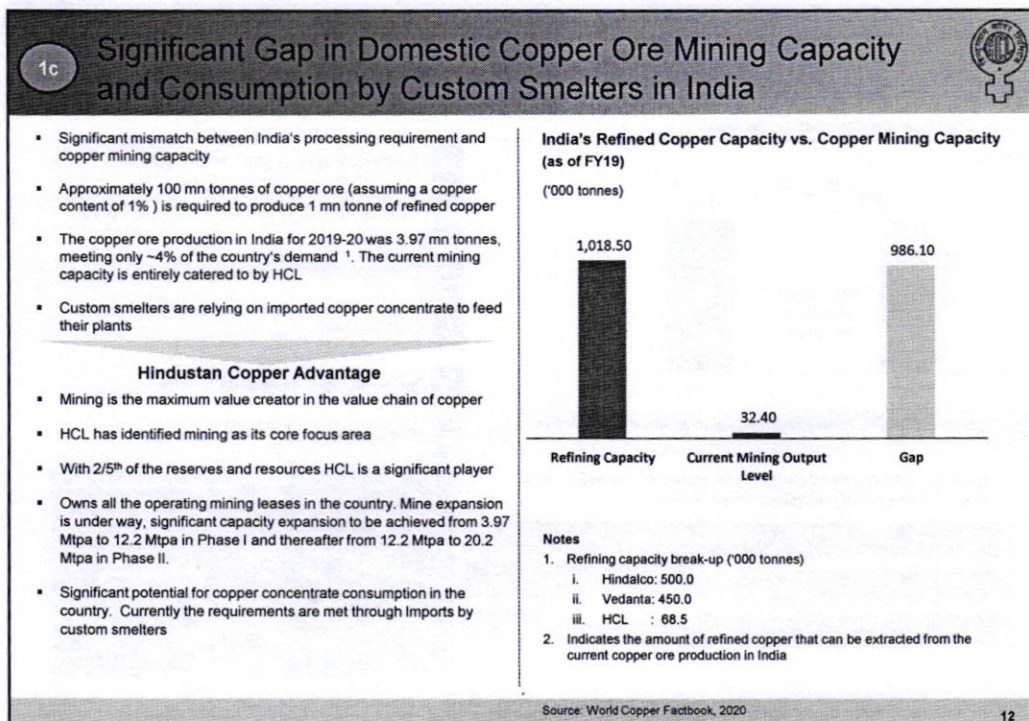
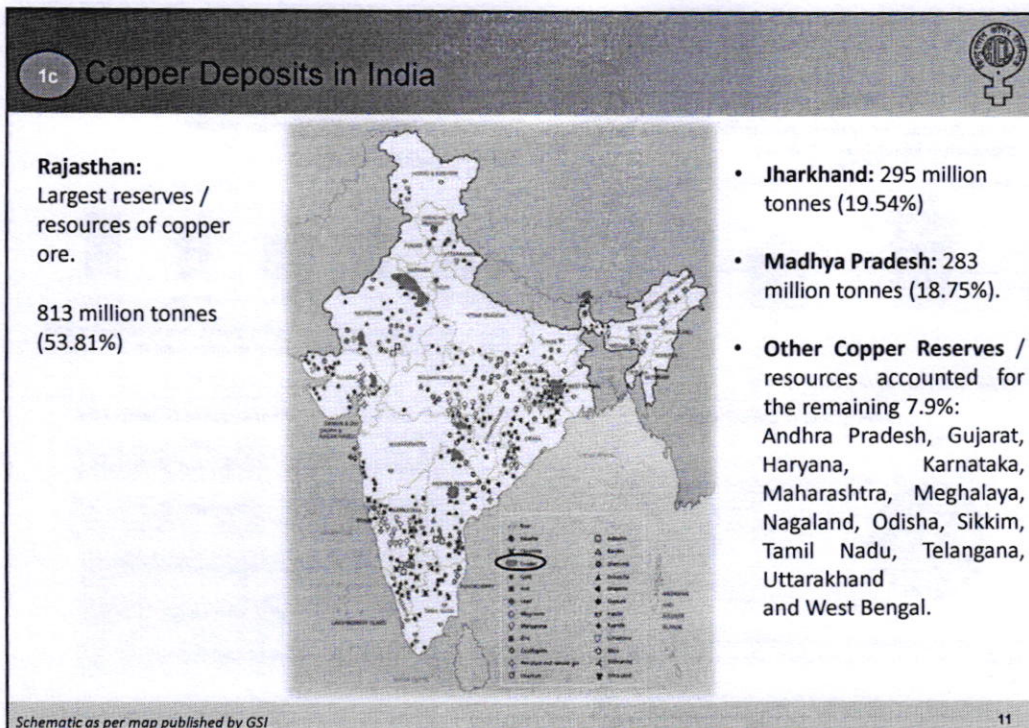
1 **Electric vehicles contain approximately four times more copper than conventional cars.**

**Batteries, Windings and copper rotors used in electric motors, wiring, busbars and charging infrastructure.**

Conventional Cars – 23Kg	Battery Electric Vehicles – 83 Kg
Hybrid Electric Vehicles – 40 Kg	Hybrid Electric Bus – 89 Kg
Plug-in Hybrid Electric Vehicles – 60 Kg	Electric Bus – 224 -369 Kg

- 2 Electrical Products like Wire, cables etc.
- 3 Renewable Energy Products; Wind, Solar etc.
- 4 Electronics and Communication
- 5 Construction
- 6 Industrial Machinery and Equipment
- 7 Transportation

Source: International Copper Study Group (ICSG) press release



**Key Highlights**

- 1 Significant Growth Potential in Copper Consumption in India
- 2 Only Vertically Integrated Operations for refined copper
- 3 Sole Operating Copper Ore mining Company in India
- 4 Access to Substantial Copper Ore Reserves in India
- 5 Clear Roadmap for Expansion backed by exponential demand
- 6 Healthy Financial Performance

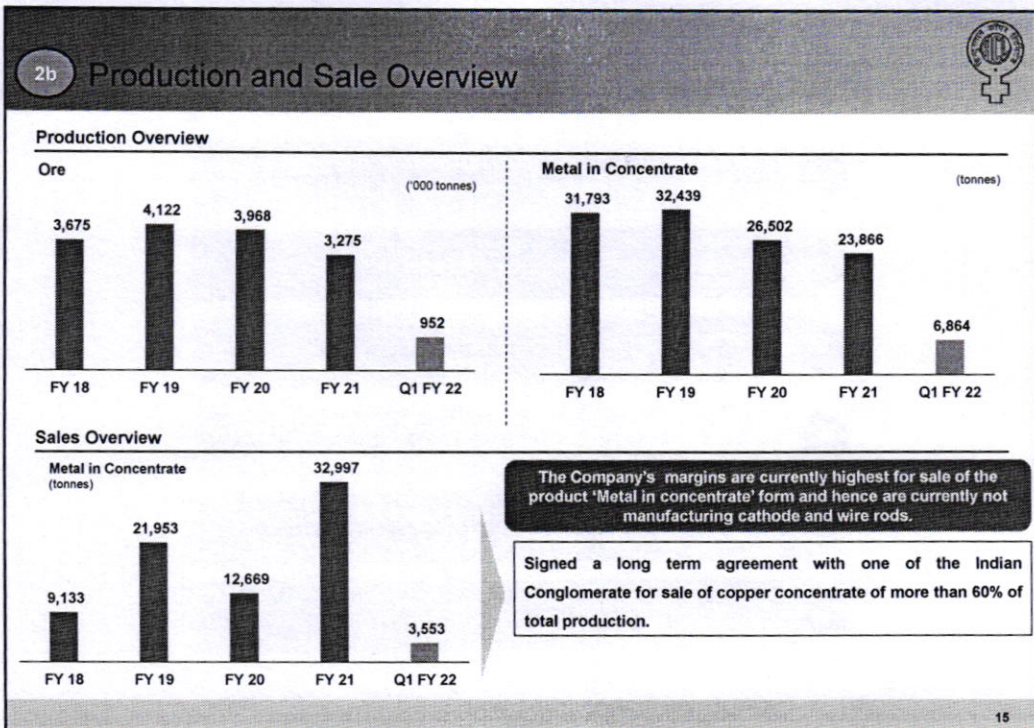
13

**2a Vertically Integrated Operations**

As per the current business plan, HCL is selling copper concentrate only as it gives highest realisation to the company.

14





### 2c Products

<ul style="list-style-type: none"> <li><b>Copper Concentrate</b> Grade 17-26%</li> </ul>		<ul style="list-style-type: none"> <li><b>Applications</b> Smelting and Refining of Copper Products</li> </ul>
<ul style="list-style-type: none"> <li><b>Cathode</b> Purity: 99.99% - equivalent to LME Grade - "A" specification</li> </ul>		<ul style="list-style-type: none"> <li><b>Applications</b> Alloys, foils, CC Wire Rods</li> </ul>
<ul style="list-style-type: none"> <li><b>Continuous Cast Wire Rod</b> Diameter(mm): 8, 11, 12.5, 16, 19.6 (+/- 0.50 mm)</li> </ul>		<ul style="list-style-type: none"> <li><b>Applications</b> Winding wires, strips, etc.</li> </ul>
<ul style="list-style-type: none"> <li><b>By Products</b> <ul style="list-style-type: none"> <li>Anode Slime containing precious metals</li> <li>Sulphuric Acid</li> <li>Copper Sulphate</li> <li>Granulated Slag</li> </ul> </li> </ul>		<ul style="list-style-type: none"> <li><b>Applications</b> Anode Slime - production of gold and silver</li> </ul>

## Key Highlights

- 1 Significant Growth Potential in Copper Consumption in India
- 2 Only Vertically Integrated Operations for refined copper
- 3 Sole Operating Copper Ore mining Company in India
- 4 Access to Substantial Copper Ore Reserves in India
- 5 Clear Roadmap for Expansion backed by exponential demand
- 6 Healthy Financial Performance

17

## 3 Only Operating Copper Ore Producer in India

**Experience and expertise in developing and operating Copper Mines**

**Copper Reserves and Resources as on April 1, 2021**

Mines	Reserves <sup>1</sup> (mn Tonnes)	Average Grade (% Cu)	Resources <sup>2</sup> (mn Tonnes)	Average Grade (% Cu)
<b>MCP</b>				
Malanjkhand	119.02	1.32	186.56	0.66
<b>ICC</b>				
Surda	5.02	1.16	26.96	0.99
Rakha	3.36	1.14	43.83	0.94
Kendadih	0.80	1.29	17.76	1.25
Sideshwar	00	00	35.08	1.13
Chapri	00	00	81.11	0.91
Tamapahar	00	00	26.46	0.86
<b>Total ICC</b>	<b>9.18</b>	<b>1.17</b>	<b>231.20</b>	<b>0.98</b>
<b>KCC</b>				
Khetri	25.21	1.41	23.49	1.40
Kolihan	10.39	1.30	5.6	1.06
Chandmari	3.18	1.11	10.08	0.95
<b>Total KCC</b>	<b>38.78</b>	<b>1.35</b>	<b>39.17</b>	<b>1.24</b>
<b>Total</b>	<b>166.98</b>	<b>1.32</b>	<b>456.93</b>	<b>0.87</b>


Operating Mines

**HCL has significant Mining Resources with high grade of copper in Ore**

Note:  
1. Proved + Probable  
2. Remaining Mineral Resources  
Source: Chartered Engineer certificate dated March 2, 2021

18

## Key Highlights




- 1 Significant Growth Potential in Copper Consumption in India
- 2 Only Vertically Integrated Operations for refined copper
- 3 Only Operating Copper Ore producing mining in India
- 4 Access to Substantial Copper Ore Reserves in India
- 5 Clear Roadmap for Expansion backed by exponential demand
- 6 Healthy Financial Performance

19

## Access to Substantial Copper Ore Reserves in India

(As on 01/04/2021)



**HCL has access to about 2/5<sup>th</sup> of India's copper ore resources & reserves (As on 01.04.2021)**

### Reserves (mn tonnes)

Category	Value (mn tonnes)	Average Grade
Proved	127.30	1.30
Probable	39.68	1.36
<b>Total</b>	<b>166.98</b>	<b>1.32</b>

Legend: Average Grade


### Resources (mn tonnes)

Category	Value (mn tonnes)	Average Grade
Proved	127.30	1.30
Probable	39.68	1.36
<b>Total Reserve</b>	<b>166.98</b>	<b>1.32</b>
Remaining Resources	456.93	0.87
<b>Total</b>	<b>623.91</b>	<b>0.99</b>

Source: Chartered Engineer certificate dated March 2, 2021

20


## Key Highlights



- 1 Significant Growth Potential in Copper Consumption in India
- 2 Only Vertically Integrated Operations for refined copper
- 3 Sole Operating Copper Ore mining Company in India
- 4 Access to Substantial Copper Ore Reserves in India
- 5 Clear Roadmap for Expansion backed by exponential demand
- 6 Healthy Financial Performance

21

## 5a Expansion Strategy: Thrust Areas



✓ Malanjkhand (Madhya Pradesh)  
 ✓ Khetri & Kolihan (Rajasthan)  
 ✓ Surda (Jharkhand) **3.71MTPA to 8.2MTPA**

1 Expansion of Existing Mines

2 Re – Opening of Closed Mines  
 ✓ Rakha (Jharkhand) **1.9MTPA**  
 ✓ Kendadih (Jharkhand)

3 New Mines & Green Field Exploration  
**0.26MTPA to 2.1MTPA**  
 ✓ Awarded RP: Balaghat (Madhya Pradesh)  
 ✓ New Mines: Banwas and Chapri Sidheswar & Applied for area reservation in other places

4 Exploration to establish depth and strike continuity of ore body

5 Sustainable Development  
 ✓ Utilization of waste rocks

6 Niche Product Segment  
 ✓ Manufacturing value added products

Thrust on Mining & Exploration

22

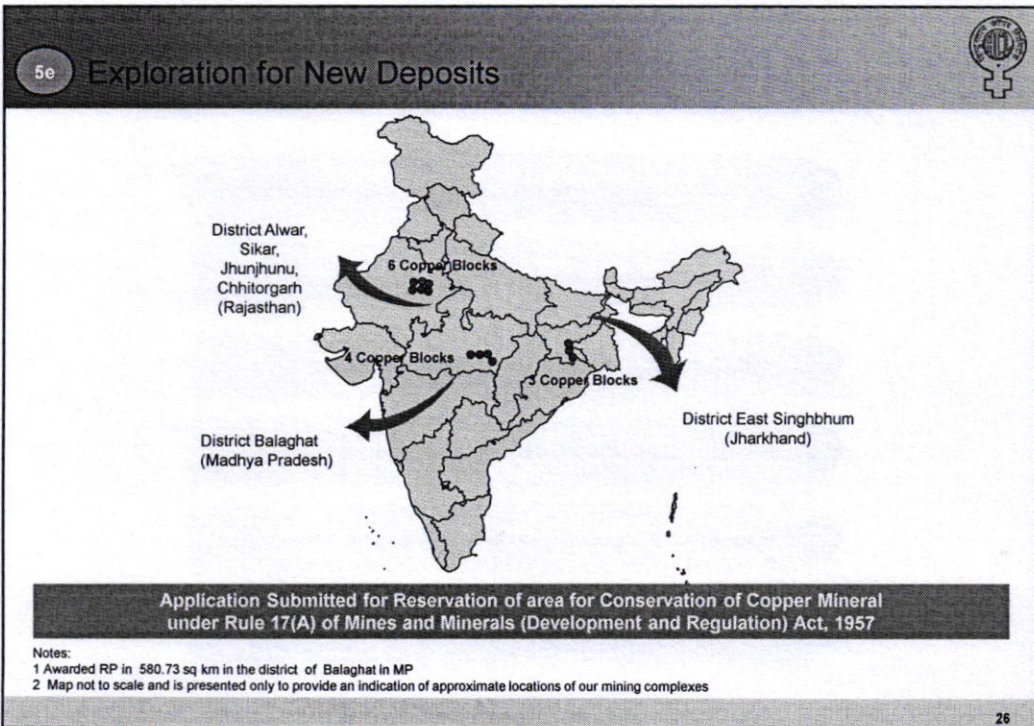
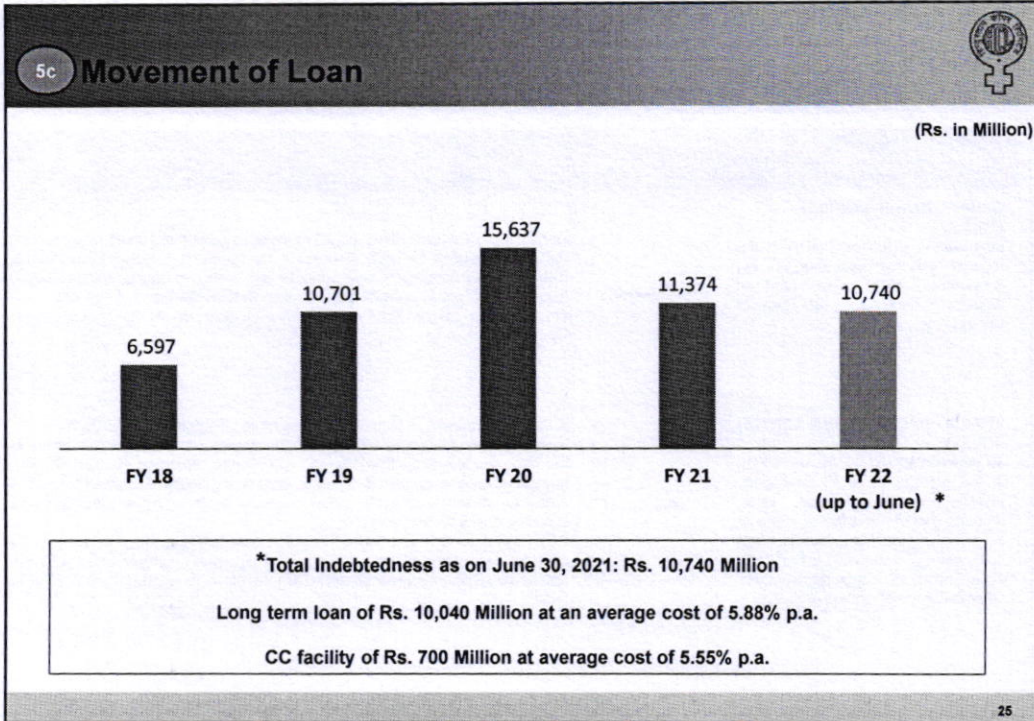
**5b Estimated Production Capacity and Project wise Capex**

	(MTPA)	Existing Capacity (MT)	Phase I Expansion	Phase 1 estimated capex (Rs. Mn.)	Scheduled start of Production (Phase I)	Phase II Expansion	Total Capex (Phase-I + II) (Rs. Mn.)
Expansion of Existing Mines	Malanjkhand	2.54	5.0	18,560	2022	8.0	29,000
	Khetri and Kolihan	0.86	2.3	4,430	-	4.4	9,100
	Surda	0.31	0.9	2,190	Lease renewal pending with GOJ	1.0	3,500
Reopening of Closed Mines	Kendadih	-	0.4	940	Contract for production awarded on 06.07.2021 and likely to start shortly.	0.2	950
Establishing New Mines	Banwas	0.26	0.6	900	Commenced production in Feb 2018	0.6	900
	Chapri-Sidheshwar	-	1.5	4170	-	2.5	5,500
	Dhobani-Pathargora Block	-	-	-	-	1.0	550
	<b>Total</b>	<b>0.26</b>	<b>2.1</b>	<b>5,070</b>		<b>4.1</b>	<b>6,950</b>
<b>Grand Total</b>	<b>3.97</b>	<b>12.2</b>	<b>34,340</b>		<b>20.2</b>	<b>55,000</b>	

Source: Chartered Engineer certificate dated March 2, 2021. Costs stated are at the time of award / Based on Management estimates. Please note that these estimates are subject to risks including changes in expected capacity, changes in expected expansion cost, risks relating to delays in expansion, obtaining & maintaining mining leases at mining sites, obtaining

**5c Current Status of Mine Capex for enhancement of Capacity**

Mine	Investment Approval	Invite RFQ	Issuance of RFP	Finalization of Contract / Award of contract	Current status of Mine Capex	Likely Scheduled Completion
Malanjkhand	Investment approvals in place	Completed	Completed	Completed on April 9, 2015	Started in 2015 – Work in Progress	FY22
Khetri	Investment approvals in place	Under Tendering Stage with modified design				
Surda	Investment approvals in place	Completed	Completed	Completed on November 18, 2011	Lease renewal pending with Govt. of Jharkhand.	Mining lease extension awaited
Kendadih	Investment approvals in place	Completed	Completed	Completed on January 20, 2012	Dewatering and commissioning of mining facilities completed. Development work in progress. Contract for production awarded on 06.07.2021 and likely to start shortly.	Production will start soon. FY22
Rakha	Investment approvals in place	Through MDO (Mine Developer cum Operator) route				
Chapri-Sidheshwar	Investment approvals in place	Through MDO (Mine Developer cum Operator) route				
Banwas	Investment approvals in place	Completed	Completed	Completed on February 1, 2010	Development of deposit completed Contractor appointed and production has commenced in 2018.	

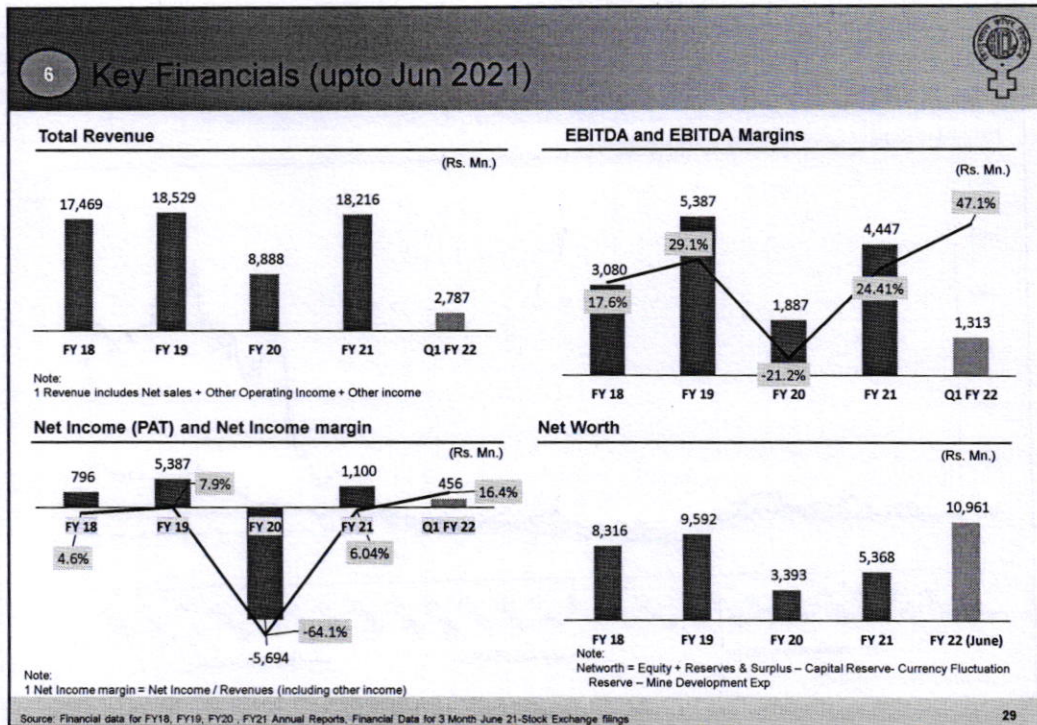



Project	Authorised Capital (INR mn)	Status
<p><b>CHHATTISGARH COPPER LIMITED</b> JV between HCL and CMDC in the ratio of 74:26 for exploration, mining &amp; beneficiation of copper and its associated minerals in the State of Chhattisgarh.</p>	100	<ul style="list-style-type: none"> <li>Chhattisgarh Copper Limited (CCL) has been incorporated on 21.05.2018.</li> <li>CCL has applied for area reservation for Hiddar and Bodal blocks in the districts of Rajnandgaon, Chhattisgarh for exploration of copper and associated minerals. Application is under consideration with the Central Government.</li> <li>On allocation of the blocks, exploration activity will be taken up by the Company.</li> </ul>
<p><b>KHANIJ BIDESH INDIA LIMITED (KABIL)</b> JV between NALCO, HCL and MECL in the ratio of 40:30:30 to identify, explore, acquire, develop, mine, process, procure and sell of strategic minerals outside India and to meet domestic requirement. The Company may facilitate acquisition/acquire other minerals depending on need.</p>	1,000	<ul style="list-style-type: none"> <li>Khanij Bidesh India Limited (KABIL) has been incorporated on 08.08.2019.</li> <li>KABIL is co-ordinating through Indian Embassies with relevant companies in the countries like Argentina, Bolivia, DR Congo, Australia, Russia etc. who have potential of such critical minerals, specifically lithium and cobalt to fulfill its objective of sourcing these critical minerals to India to develop domestic Battery industry for Electro-vehicles.</li> <li>EOI floated to find out Indian Firm(s)/ Lithium Processing Technologist / Consortium for Lithium Ore Offtake from prospective mining facilities of KABIL and its international partners from across the globe for import of ore/product to India.</li> </ul>

CMDC | Chhattisgarh Mineral Development Corporation, MECL | Mineral Exploration Company Limited 27

Key Highlights	
1	Significant Growth Potential in Copper Consumption in India
2	Only Vertically Integrated Operations for refined copper
3	Sole Operating Copper Ore mining Company in India
4	Access to Substantial Copper Ore Reserves in India
5	Clear Roadmap for Expansion backed by exponential demand
6	Healthy Financial Performance

28



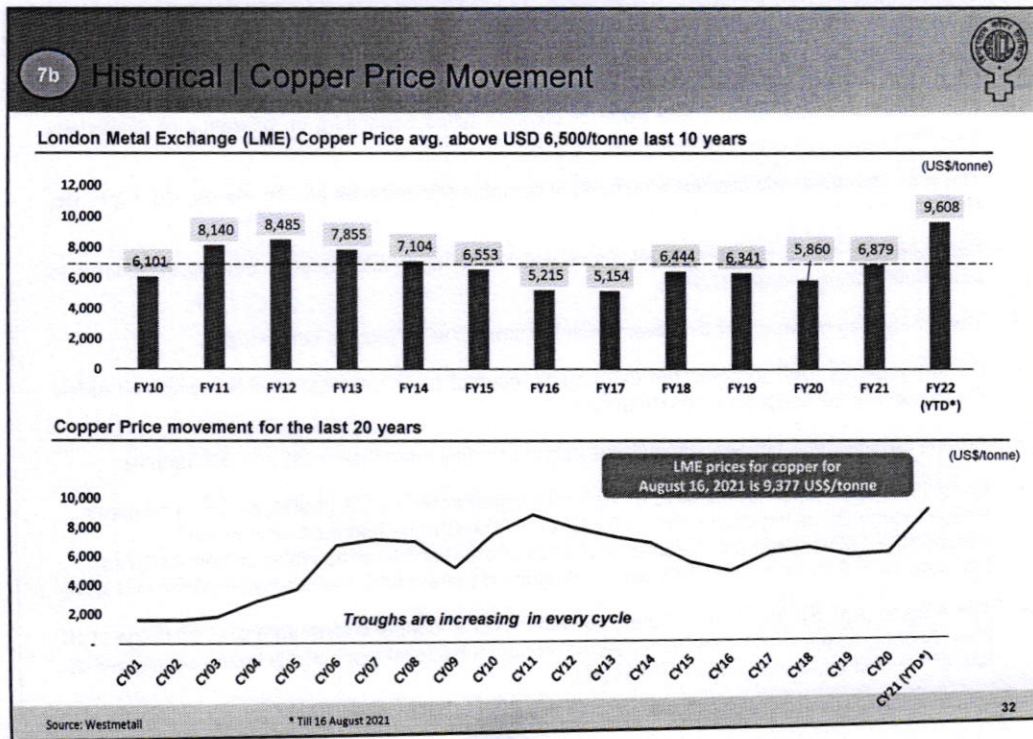
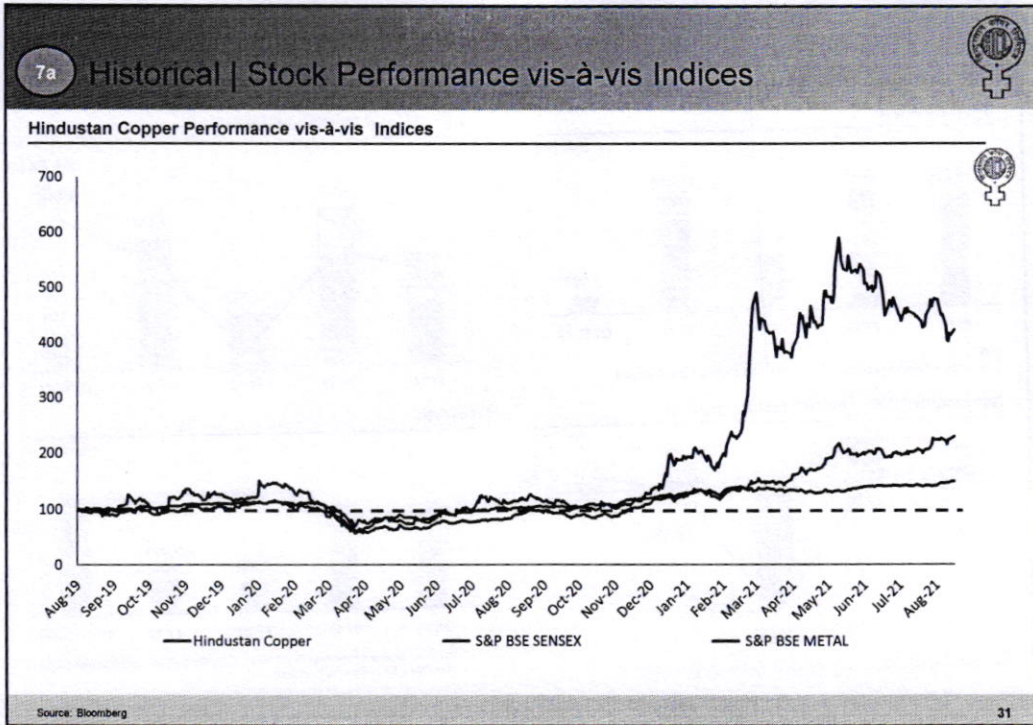


## HCL's Copper Concentrate is Superior Kind of Clean Concentrate

- Copper concentrates divided into clean or complex types depending on presence of deleterious elements.
- The main impurities (deleterious elements) in complex concentrates are Sb, As, Bi, Cd, Cl, F, Pb, Hg, etc.
- Each element has a threshold level above which a smelter will charge a penalty in addition to treatment/refining charges (Tc/Rc).
- There may also be an upper limit over which the smelter will reject the concentrate.
- Penalty charges exist to cover the extra costs incurred by the smelter in processing and safely storing contaminated (deleterious) materials.
- Around 30% of world copper concentrates output contains more than 0.1% or 1,000 ppm As.
- Complex copper concentrates have an As content greater than 0.2% (2,000 ppm) with no upper limit, although China imposes a limit of 0.5% As (5,000 ppm) on imported base metal concentrates. Mines, such as Toromocho in Peru (1% As) and Ministro Hales in Chile (4% As), Marcapunta in Peru (8% As), Chelopech in Bulgaria (6% As) and Chuquicamata in Chile (1.2% As)
- The Arsenic (As), Sb, Bi, Pb, Hg, Cd etc content in HCL's copper concentrate is in the range of 10 ppm, 30ppm, 25 ppm, 100 ppm, not detected, not detected level respectively hence considered as one of the cleanest concentrate in the World.

\*Source: International Mining Journal – Feb' 2016 (<https://im-mining.com/2016/02/23/high-arsenic-copper-concentrates/>)





## Appendix

### Experienced Management Team



**Shri Arun Kumar Shukla**  
Chairman and Managing Director

- Holds Bachelor's degree in Mining and M.Tech. in Environmental Engineering from IIT (ISM), Dhanbad. He also holds Degree in Law (LL.B). He possesses First Class Mines Managers' Certificate under the Mines Act, 1952.
- He started his carrier in Coal India Ltd and worked there for more than 21 Years. He later Joined NMDC in October 2006. On deputation from NMDC Mr. Shukla also served as Managing Director of Jharkhand State Mineral Development Corporation Limited for about 2 Years.
- Prior to joining Hindustan Copper Ltd. (HCL) as Director (Operations) in October 2018, he was working as Executive Director in NMDC and was heading one of its major unit namely Balladila Iron Ore Mines, Bachel Complex in Bastar District of Chhattisgarh.
- He has taken charge as CMD of HCL from Jan 2020
- Recipient of prestigious FIMI Golden Jubilee Awards for Excellence (2016-17) & TATA Steel Mining Sustainability Award (2017-18).



**Shri Sukhen Kumar Bandyopadhyay**  
Director (Finance)  
Additional charge of Director (Mining)

- Holds a Bachelor's degree in Science and Professional degree of Institute of Cost & Management Accountants of India. Before joining HCL as Director (Finance) on July 2018, Shri Bandyopadhyay was CGM (Finance & Accounts) in SJVN Ltd, Schedule A CPSU, (JV of Govt. of HP)
- During his professional career spanning 32 years in executive position, he had served in many key administrative positions in the different fields of Finance & Accounts for the execution of Hydro/Thermal/ Gas/Solar/ Wind Projects in NEEPCO & SJVN Ltd (CPSUs) and in PPCL & IPGCL (Delhi Govt. PSU), on deputation.



**Shri Sanjay Panjiyar**  
Director (Operations)

- Holds a Bachelor's degree in Production Engineering from BIT Sindri. Started his career in Vizag Steel Plant, Rashtriya Ispat Nigam Limited as MT(T) in the year 1989
- He has rich and varied experience spanning over 31 years in public and private sector companies and has gained reputation to solve critical issues in steel making and mining sector
- During his career in Vizag Steel Plant he has earned experience in testing, commissioning, stabilization and operations of Rolling mill. Post RINL, he has worked in private sector where he was heading operations and projects of metal and mining
- In the year 2015, joined NMDC in the prestigious green field 3.0 MTPA steel plant project at NISP Nagarnar, Bastar. As Chief General Manager he was in charge of many major packages and has played significant role in completion of NISP project.

Mining Lease Status as on August 2021					
State	Mining Lease	Capacity as per EC	Area in Hect.	Date of Initial Grant of Mining Lease	Lease Renewal / Extension – Present Status
Jharkhand	Surda	0.90	388.68	16.06.1939	Lease extension was upto 31.03.20. (EC has been recommended by MoEFCC)
	Kendadih	0.45	1139.60	03.06.1973	Extended till 02.06.2023
	Rakha	3.00	785.091	29.08.1971	Extended till 28.08.2021. Application of renewal already made.
Rajasthan	Khetri	1.5	395.07	23.02.1963	Extended till 31.03.2040
	Kolihan	1.5	163.23	24.11.1966	Extended till 31.03.2040
	Chandmari	-	148.45	27.12.1972	Extended till 26.12.2022
Madhya Pradesh	Malanjkhanda	5.0	479.90	28.08.1973	Extended till 27.08.2023

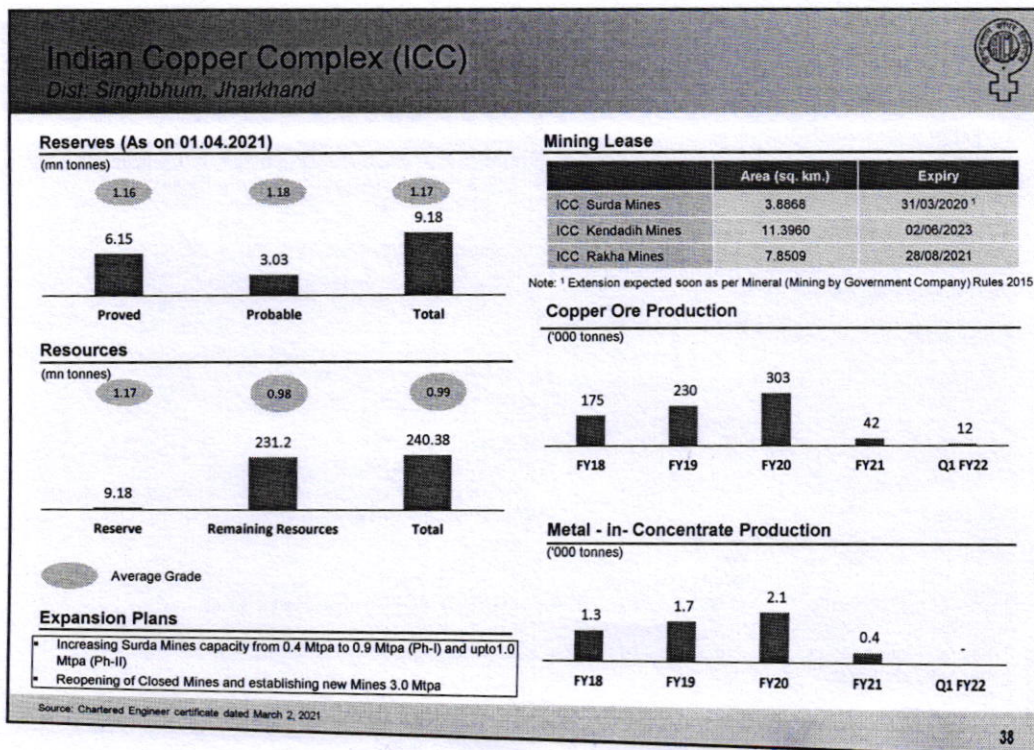
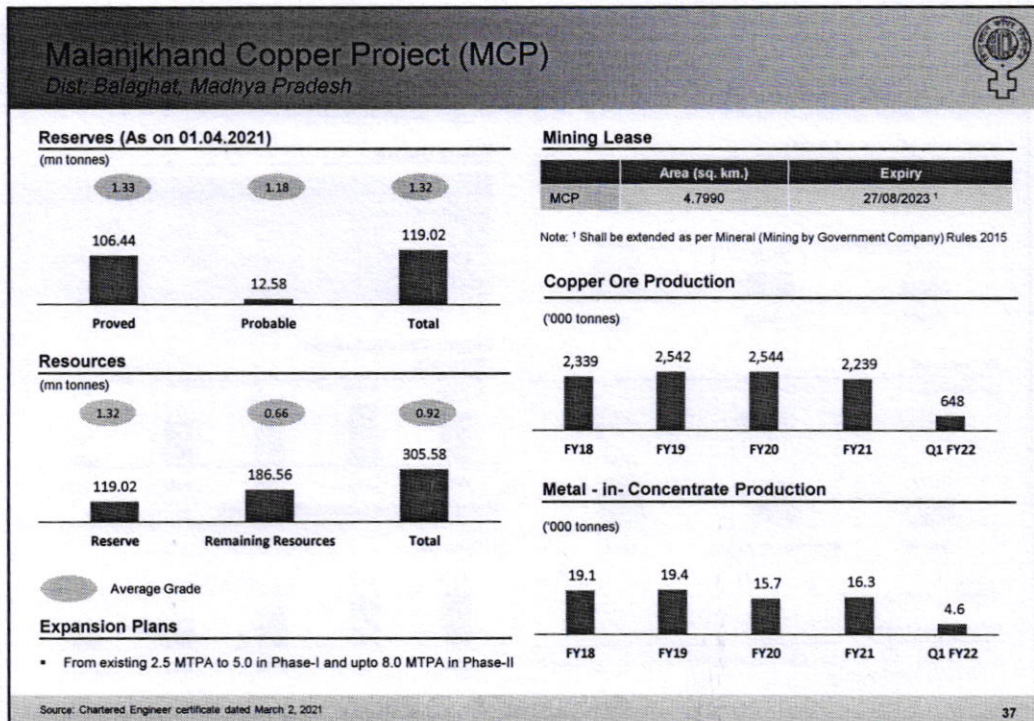
Source: Data as on August 2021

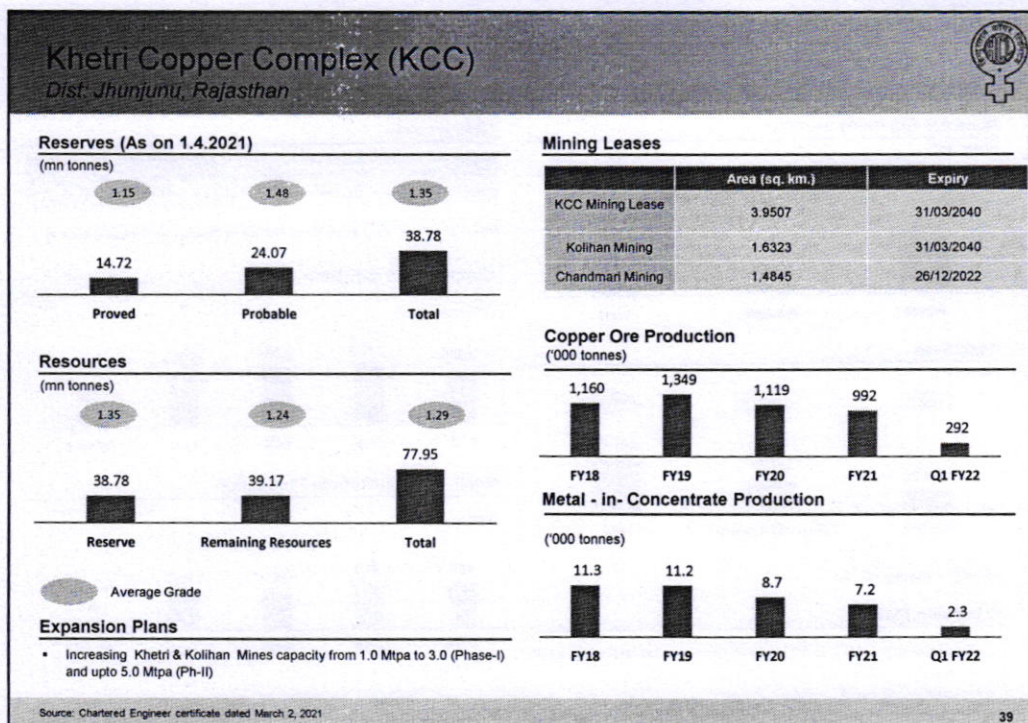
35

Reserve and Resources & Exploration Plan				
State	Mining Lease	Reserve and Resources as on 01.04.2021.	Grade as on 01.04.2021.	Departmental Exploration Plan
Jharkhand	Surda	31.98 Mn Tonnes	1.02	The tentative departmental exploratory drilling will be 7500 meter / year. The drilling will be taken up as per priority and requirement of individual mines.
	Kendadih	53.64 Mn Tonnes	1.17	
	Rakha*	154.76 Mn Tonnes	0.92	
Rajasthan	Khetri	48.70 Mn Tonnes	1.40	
	Kolihan	15.99 Mn Tonnes	1.21	
Madhya Pradesh	Chandmari	13.26 Mn Tonnes	0.99	
	Malanjkhanda	305.58 Mn Tonnes	0.92	
Total		623.91 Mn Tonnes	0.99	

Source: Chartered Engineer certificate dated March 2, 2021

36





### ISO Certification

Sl. No	Location	ISO Details	Scope
1	Corporate Office & Regional Sales office	ISO 9001:2015	<ul style="list-style-type: none"> <li>Sales &amp; Dispatch of Copper &amp; Copper By-Products</li> </ul>
2	Malanjkhand Copper Project	ISO 9001 :2015	<ul style="list-style-type: none"> <li>Open Pit Mining, Excavation of Copper ore</li> <li>Production &amp; Dispatch of copper concentrate</li> </ul>
		ISO 14001:2015	<ul style="list-style-type: none"> <li>Open Pit Mining, Excavation of Copper ore</li> <li>Production &amp; Dispatch of copper concentrate</li> </ul>
		ISO 45001:2018	<ul style="list-style-type: none"> <li>Open Pit Mining, Excavation of Copper ore</li> <li>Production &amp; Dispatch of copper concentrate</li> </ul>
3	Taloja Copper Project	ISO 9001:2015	<ul style="list-style-type: none"> <li>Open Pit Mining, Excavation of Copper ore</li> <li>Production &amp; Dispatch of copper concentrate</li> <li>Manufacture of continuous cast copper wire rods in diameter of 8mm, 11mm, 12.5mm, 16mm &amp; 19.6mm</li> </ul>
		NABL CERTIFICATION (ISO/IEC 17025:2017)	<ul style="list-style-type: none"> <li>Testing</li> </ul>
4	Khetri Copper Complex	ISO 9001:2015	<ul style="list-style-type: none"> <li>Mining of copper ore from Khetri &amp; kolihan Mines</li> <li>Beneficiation of Copper ore</li> </ul>
5	Indian Copper Complex	ISO 9001:2015	<ul style="list-style-type: none"> <li>Refinery cathode</li> </ul>

40

