



HINDUSTAN COPPER LIMITED
A GOVERNMENT OF INDIA ENTERPRISE



Corporate Presentation

March 2021



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Company Overview



The Copper Miner to The Nation

Long Standing Presence with strong Parentage

- A 'Miniratna' Category 1 CPSEs
- 5 decades of extensive experience in copper mining & refined copper production
- Government of India (GoI) shareholding of 76.05%
- Named the industry leader (base metals) at the 2016 PLATTS Global Metals Awards

Vertically Integrated Operations

- Sole vertically integrated producer of refined copper in India
- Major activities include mining, ore beneficiation, smelting, refining and extruding of refined copper into downstream products

Sole Copper Ore Producer in India

- Only operating copper ore mining company in India
- Owns all the operating mining lease of copper ore
- Proven experience and expertise in developing and operating copper mines

Access to Substantial Reserves & Resources

- Has access to about 2/5th of India's copper ore reserves and resources
- Reserves: 167.08 Million tonnes¹ (estimated balance as on 01.04.2020)
- Resources & Reserves: 570.40 Million tonnes¹ (estimated balance as on 01.04.2020)

Clear Roadmap for Expansion backed by exponential demand

- Phase I | Increase capacity from 3.97 Mtpa to 12.2 Mtpa – currently under implementation
- Phase II | 12.2 Mtpa to 20.2 Mtpa.

Robust Financial Performance

- Market Capitalization – Rs. 1,38,597 Million²
- Dec 31, 2020 (09 months) Revenue from Operations | Rs. 12,645 million, PAT | Rs. 1,468 million³
- Credit Rating: Short Term: ICRA A1+; Long Term; ICRA AA(Stable)⁴

Notes:

1. Reserves and Resources numbers are as per the chartered engineer certificate dated March 2, 2021
2. BSE as on Feb 26, 2021
3. Based on stock exchange filings for the period ended Dec 31st, 2020
4. ICRA credit rating report, October 2020
5. MTPA – Million Tonnes Per Annum



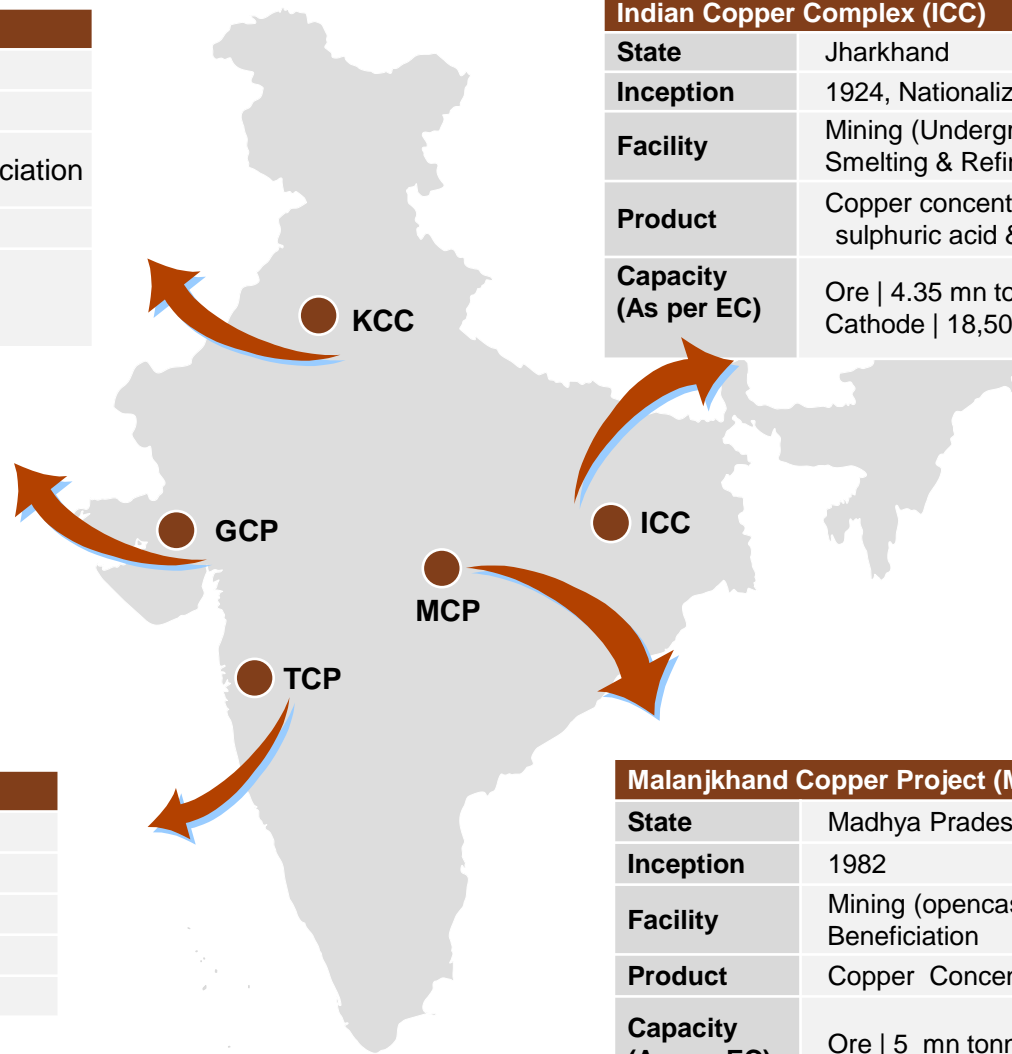


Operating units

| Khetri Copper Complex (KCC) ¹ | |
|--|--------------------------------------|
| 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 | 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

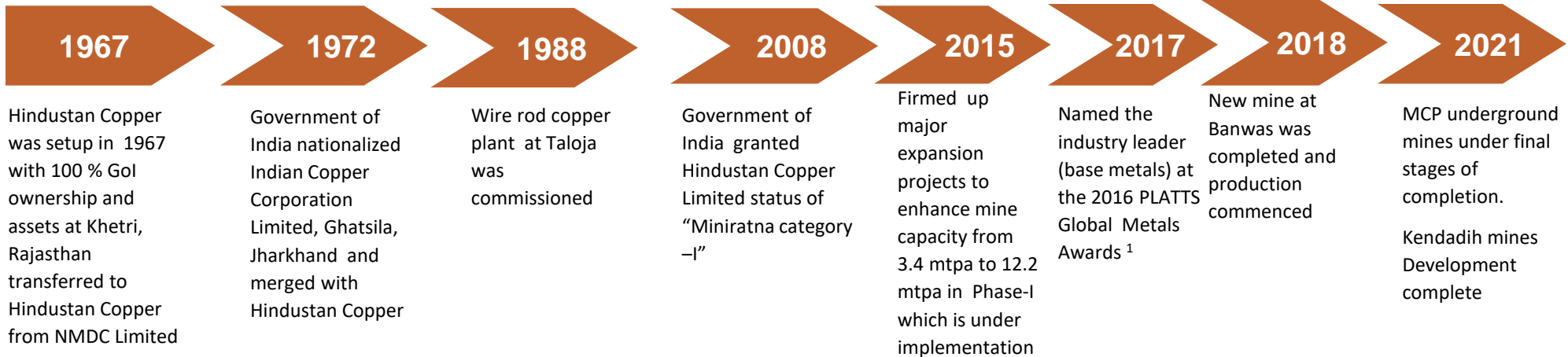
Note 1: EAC of MoEF&CC, GoI recommended for 0.9 Mtpa for Surda Mine at ICC

Source: Chartered Engineer certificate dated March 2, 2021



Evolution & Share Holding Structure

Evolution of Hindustan Copper

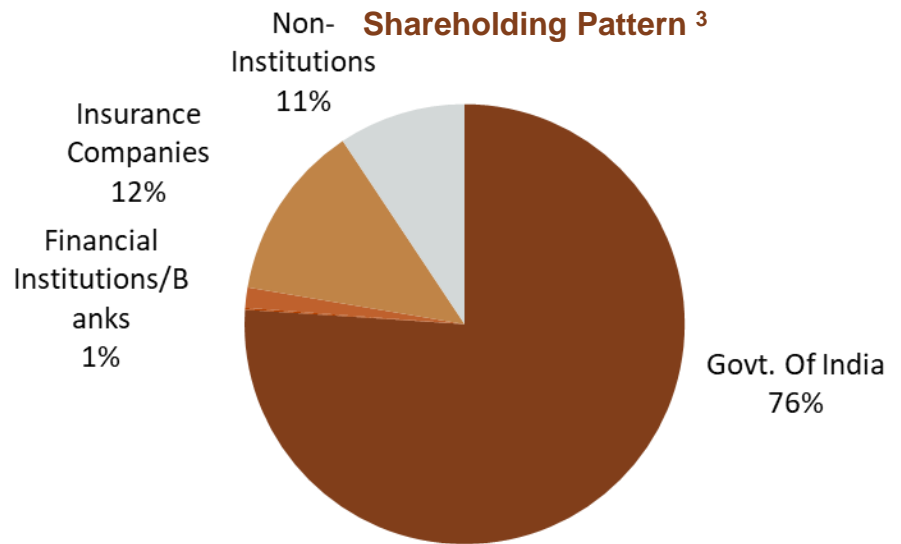


Listed on BSE and NSE

Number of Shares: **925.2 mn**

Share Price (52Wk High/Low):
Rs. 154.55 (26/02/2021 / Rs. 18.30² (25/03/2020)

Market Cap: **Rs. 1,38,597.7 Million (26/02/2021)**



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 February 26, 2021
 3. Shareholding position as on Dec 31, 2020

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

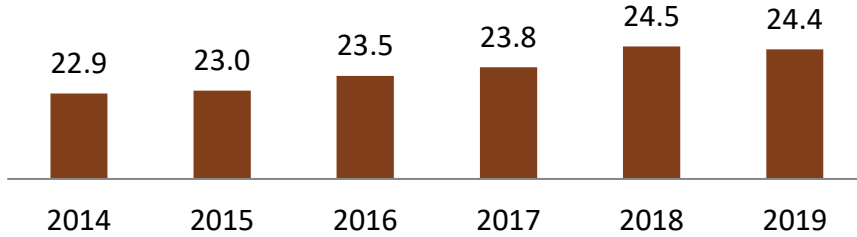


1a

Global Copper Production and Usage Highlights

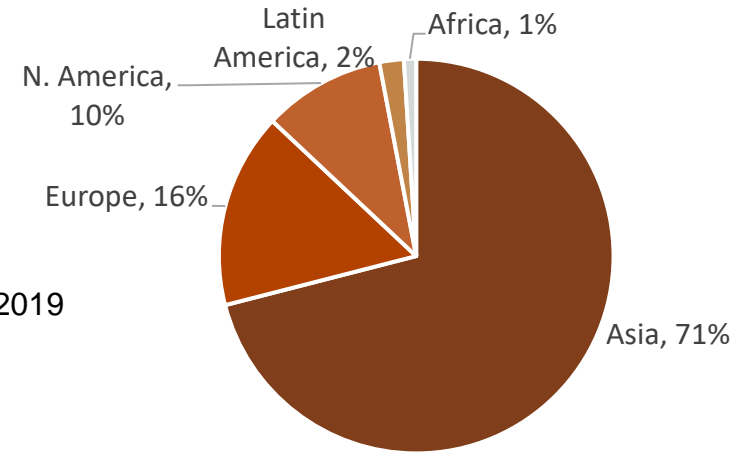
World Refined Copper Usage

(mn tonnes)



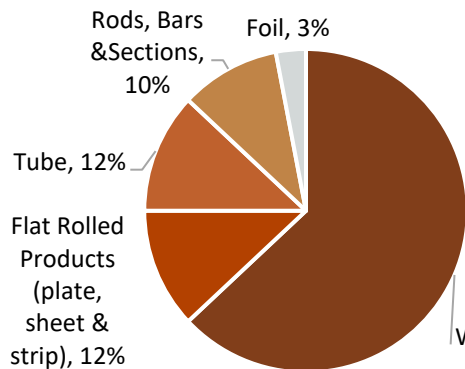
- Growth driven by **China**, with usage of over 51% (12.7 Mn. tonnes) in 2019
- **Equipment** was the largest end use sector followed by building construction and Infrastructure.
- India is the 6th largest importer of copper ore and concentrates in 2019

Refined Copper Usage by Region (2019)

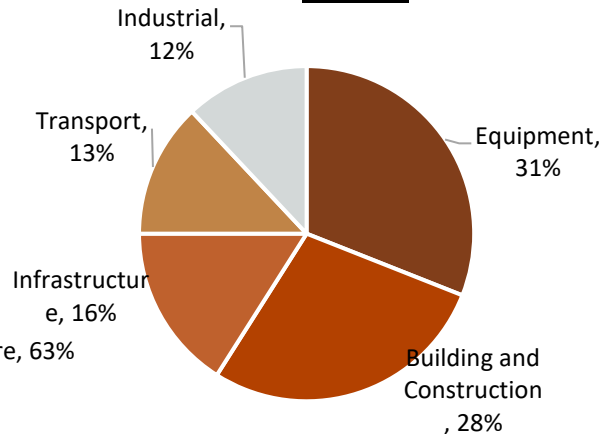


Major Uses of Copper in 2019

First Use (Semis Production)

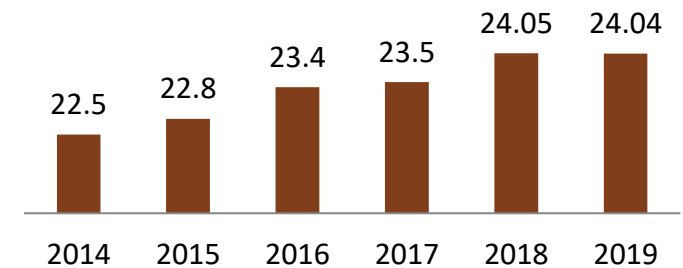


End Use



World Refined Copper Production (Primary+Secondary)

(mn tonnes)



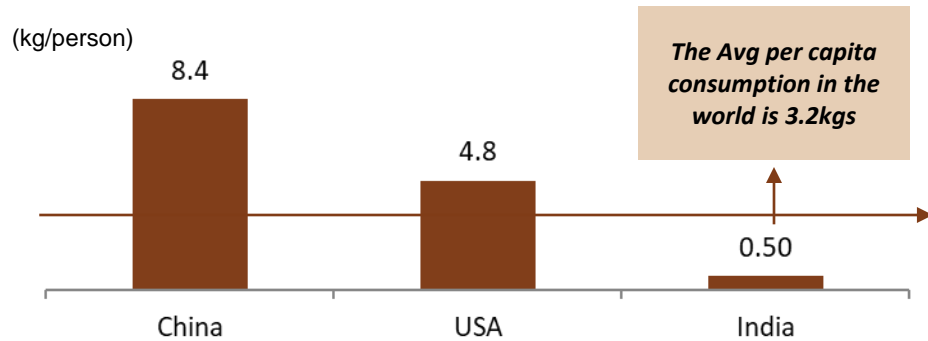
- Secondary refined production for 2019 was 4.1 Mn. tonnes. China was the largest producer.



1b

Significant Growth Potential in Copper Consumption in India

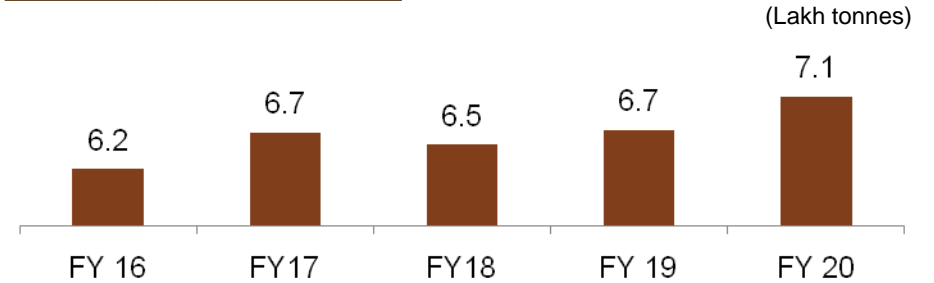
India's Per Capita Copper Consumption currently low – Expected to increase substantially



Source: Ministry of Mines, Annual Report 2019-20

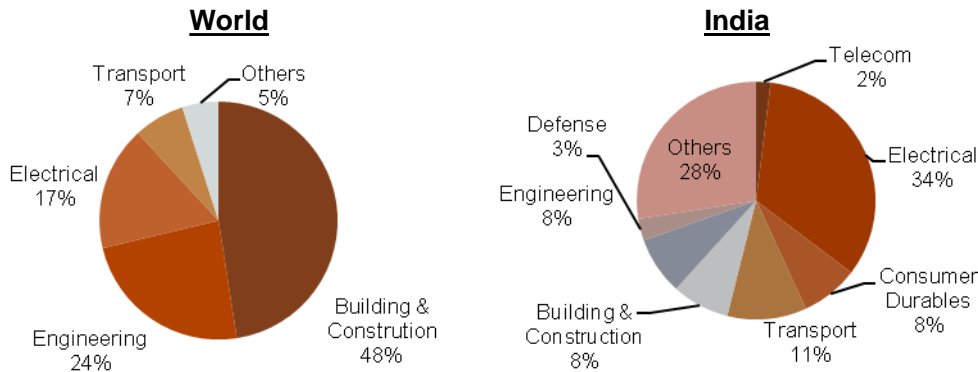
Domestic Copper Consumption to Increase

Refined Copper Consumption



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



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

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

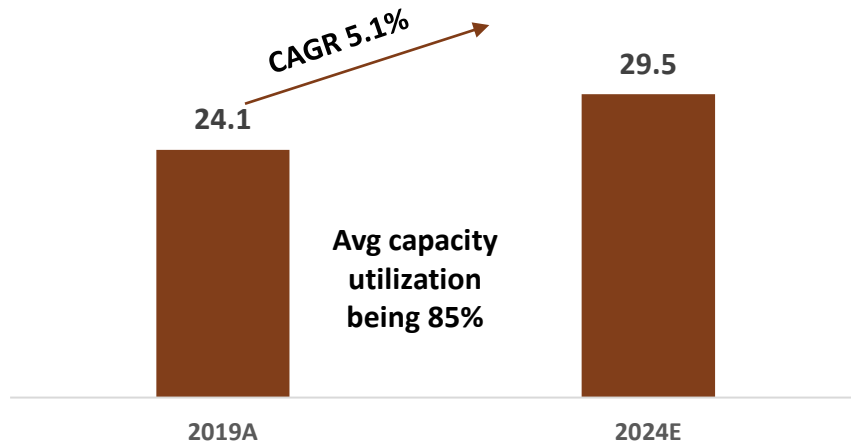
Source:

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)



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

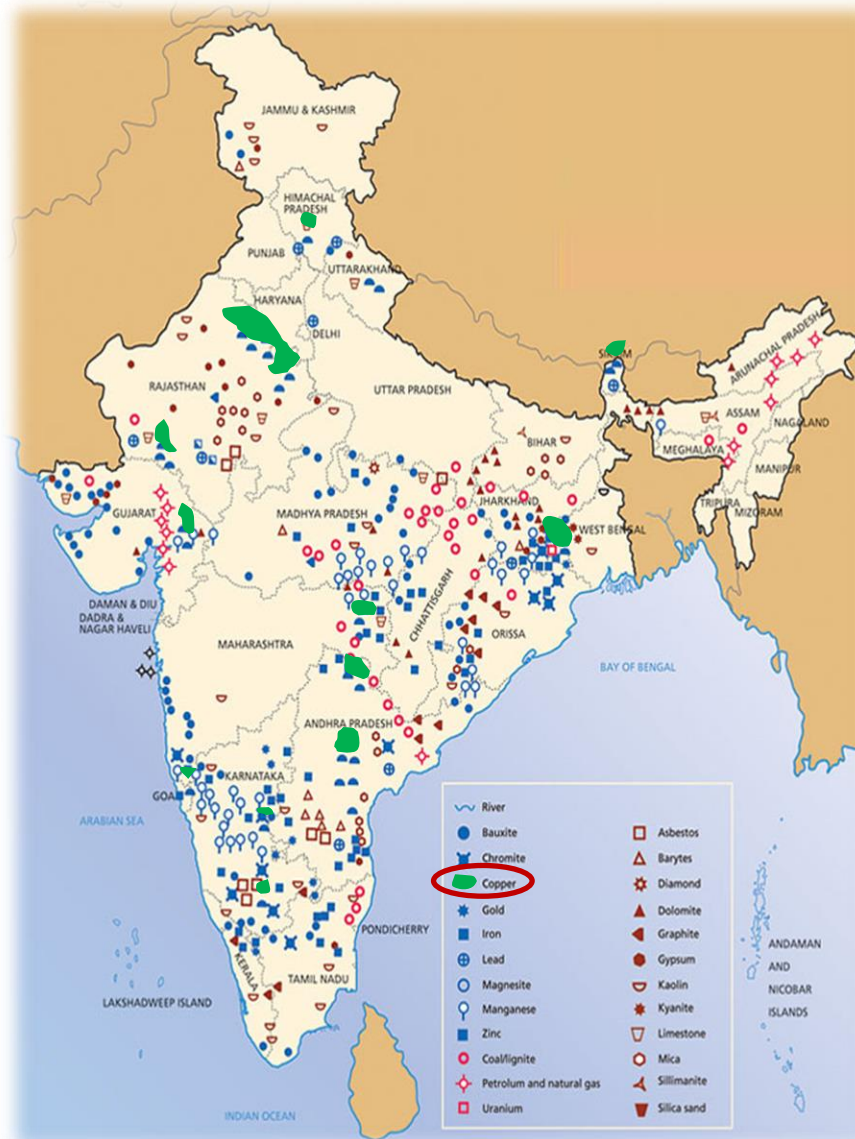


1c Copper Deposits in India

Rajasthan:

Largest reserves / resources of copper ore.

813 million tonnes (53.81%)



- **Jharkhand:** 295 million tonnes (19.54%)
- **Madhya Pradesh:** 283 million tonnes (18.75%).
- **Other Copper Reserves / resources** accounted for the remaining 7.9%: Andhra Pradesh, Gujarat, Haryana, Karnataka, Maharashtra, Meghalaya, Nagaland, Odisha, Sikkim, Tamil Nadu, Telangana, Uttarakhand and West Bengal.



1c

Significant Gap in Domestic Copper Ore Mining Capacity and Consumption by Custom Smelters in India

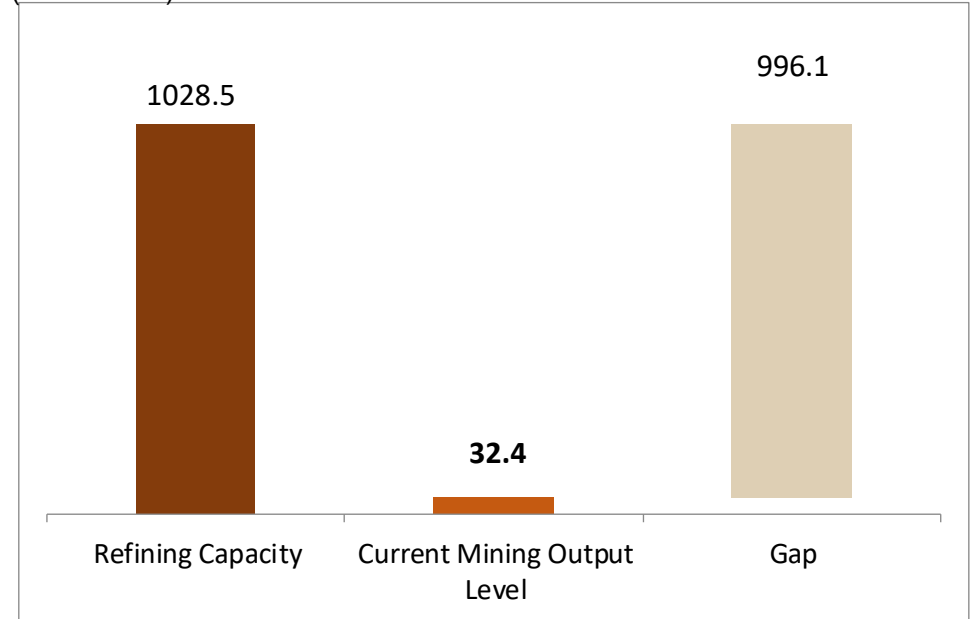
- Significant mismatch between India’s processing requirement and copper mining capacity
- Approximately 100 mn tonnes of copper ore (assuming a copper content of 1%) is required to produce 1 mn tonne of refined copper
- The copper ore production in India for 2019-20 was 3.97 mn tonnes, meeting only ~4% of the country’s demand ¹. The current mining capacity is entirely catered to by HCL
- Custom smelters are relying on imported copper concentrate to feed their plants

Hindustan Copper Advantage

- Mining is the maximum value creator in the value chain of copper
- HCL has identified mining as its core focus area
- With 2/5th of the reserves and resources HCL is a significant player
- Owns all the operating mining leases in the country. Mine expansion is under way, significant capacity expansion to be achieved from 3.97 Mtpa to 12.2 Mtpa in Phase I and thereafter from 12.2 Mtpa to 20.2 Mtpa in Phase II.
- Significant potential for copper concentrate consumption in the country. Currently the requirements are met through Imports by custom smelters

India’s Refined Copper Capacity vs. Copper Mining Capacity (as of FY19)

(‘000 tonnes)



Notes

1. Refining capacity break-up (‘000 tonnes)
 - i. Hindalco: 500.0
 - ii. Vedanta: 460.0
 - iii. HCL : 68.5
2. Indicates the amount of refined copper that can be extracted from the current copper ore production in India

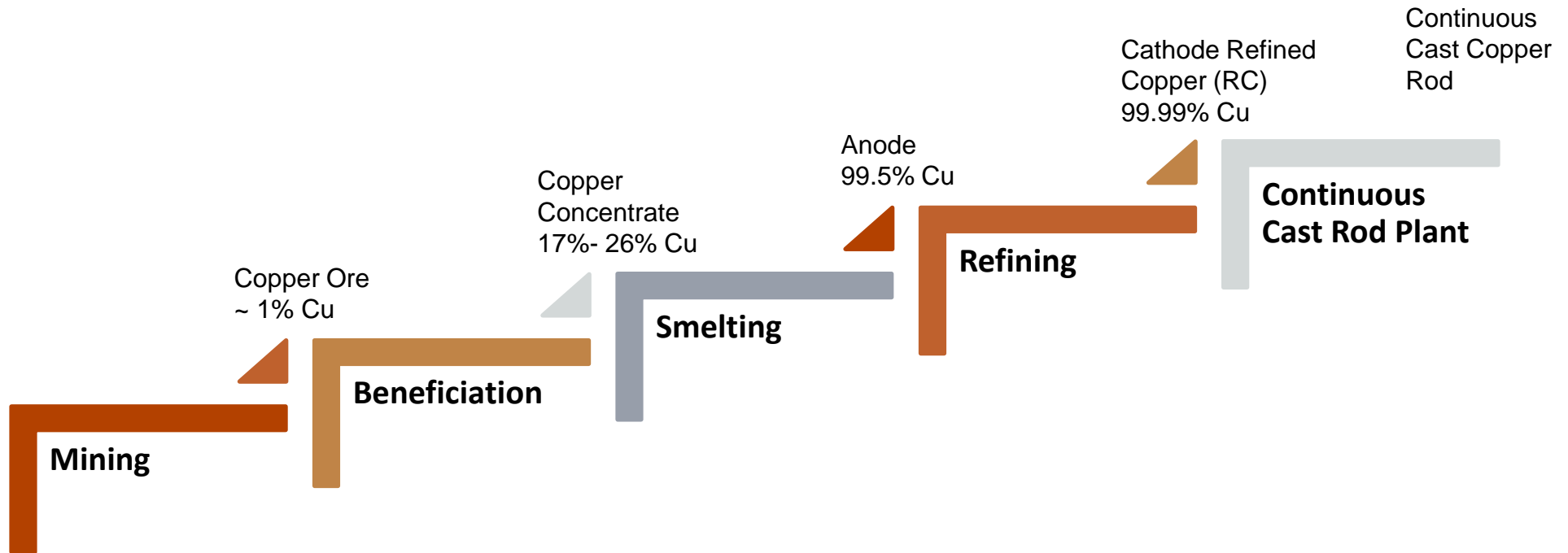
Key Highlights



- 1 Significant Growth Potential in Copper Consumption in India
- 2 Only Vertically Integrated Operations for refined copper**
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- 6 Healthy Financial Performance



2a Vertically Integrated Operations



Smelting and refining and manufacturing of rods facilities are utilised when TcRc moves up. The currently TcRc prices are low. As per the current business plan, HCL is selling copper concentrate only as it gives highest realisation to the company.

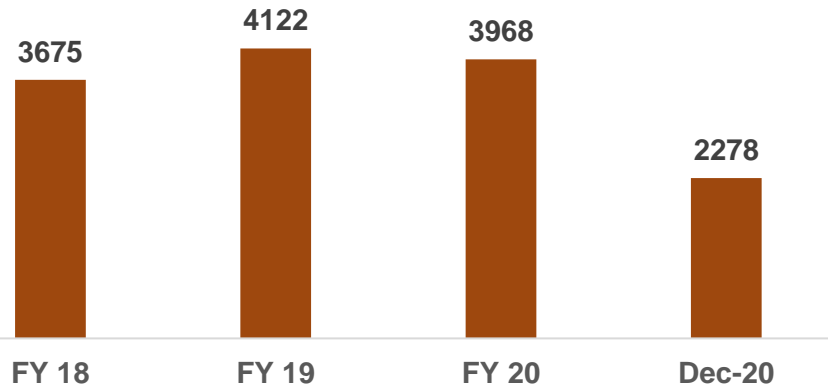


2b Production and Sale Overview

Production Overview

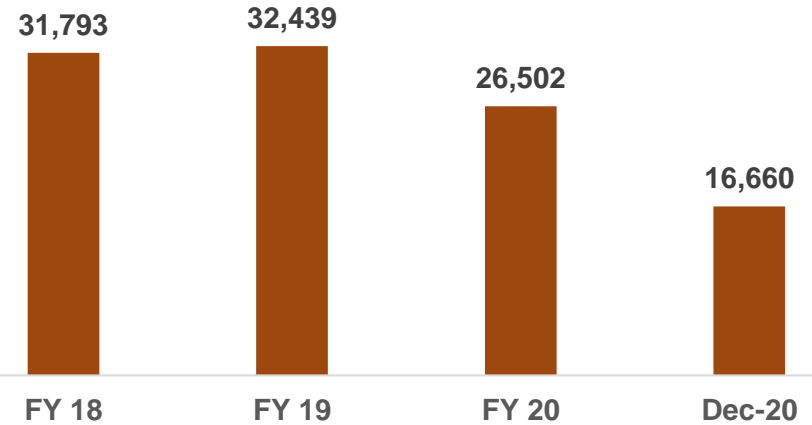
Ore

('000 tonnes)



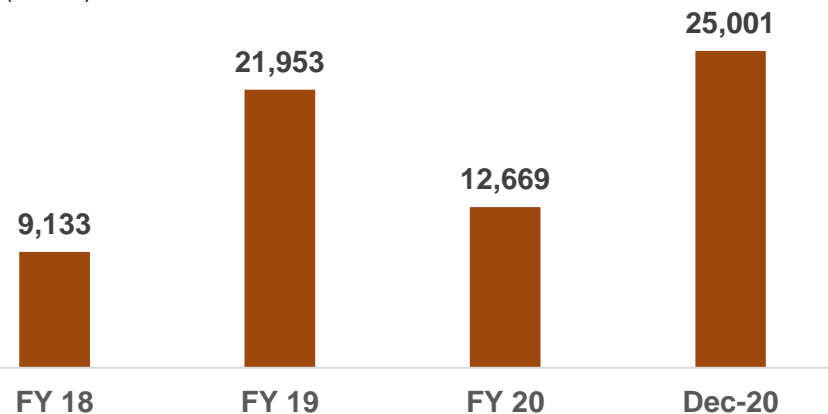
Metal in Concentrate

(tonnes)



Sales Overview

Metal in Concentrate (tonnes)



The Company's margins are currently highest for sale of the product 'Metal in concentrate' form and hence are currently not manufacturing cathode and wire rods.

Signed a long term agreement with one of the Indian Conglomerate for sale of copper concentrate of more than 60% of total production.

- **Copper Concentrate**

Grade 17-26%



- **Applications**

Smelting and Refining of Copper Products

- **Cathode**

Purity: 99.99% - equivalent to LME

Grade – "A" specification



- **Applications**

Alloys, foils, CC Wire Rods

- **Continuous Cast Wire Rod**

Diameter(mm): 8, 11, 12.5, 16, 19.6

(+/- 0.50 mm)



- **Applications**

Winding wires, strips, etc.

- **By Products**

- Anode Slime containing precious metals
- Sulphuric Acid
- Copper Sulphate
- Granulated Slag



- **Applications**

Anode Slime – production of gold and silver

Key Highlights



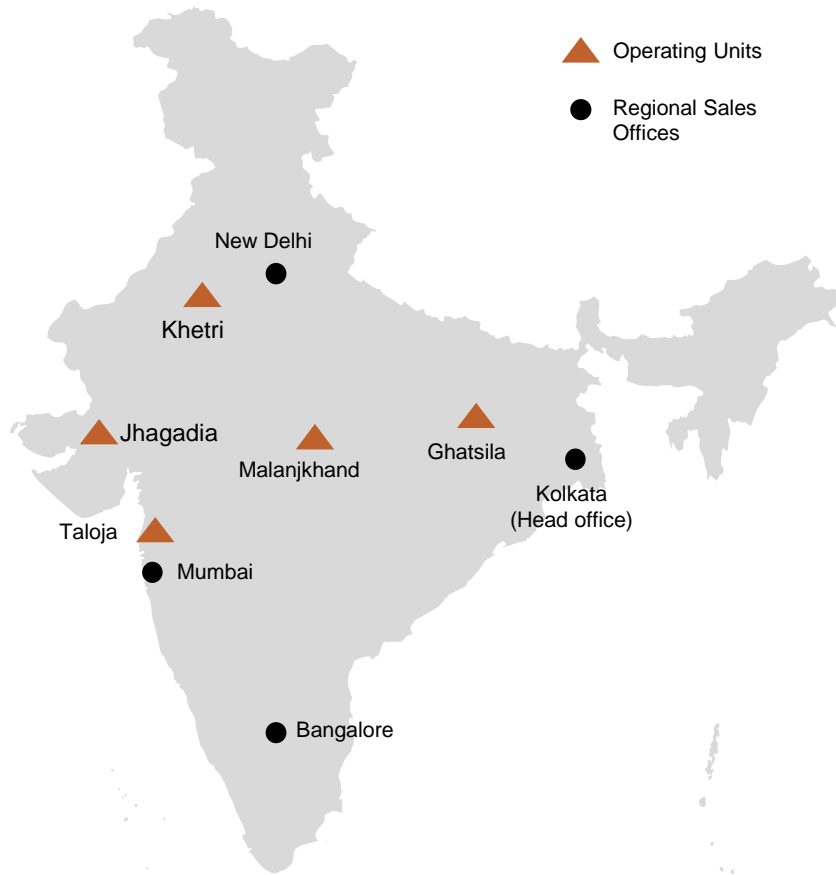
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3

Only Operating Copper Ore Producer in India

Experience and expertise in developing and operating Copper Mines



Copper Reserves and Resources as on April 1, 2020

| Mines | Reserves ¹ (mn Tonnes) | Average Grade (% Cu) | Resources ² (mn Tonnes) | Average Grade (% Cu) |
|------------------|--------------------------------------|-------------------------|---------------------------------------|-------------------------|
| MCP | | | | |
| Malanjkhand | 120.35 | 1.31 | 186.57 | 0.66 |
| ICC | | | | |
| Surda | 5.02 | 1.16 | 26.96 | 0.99 |
| Rakha | 3.36 | 1.14 | 43.83 | 0.94 |
| Kendadih | 0.77 | 1.41 | 17.76 | 1.25 |
| Sideshwar | 00 | 00 | 13.73 | 1.46 |
| Chapri | 00 | 00 | 49.87 | 1.05 |
| Tamapahar | 00 | 00 | 26.46 | 0.86 |
| Total ICC | 9.15 | 1.17 | 178.61 | 1.04 |
| KCC | | | | |
| Khetri | 25.33 | 1.44 | 23.49 | 1.40 |
| Kolihan | 9.07 | 1.31 | 4.57 | 1.41 |
| Chandmari | 3.18 | 1.11 | 10.08 | 0.95 |
| Total KCC | 37.58 | 1.38 | 38.14 | 1.28 |
| Total | 167.08 | 1.32 | 403.32 | 0.89 |

■ Operating Mines

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

Note:

1. Proved + Probable

2. Remaining Mineral Resources

Key Highlights



- 1 Significant Growth Potential in Copper Consumption in India
- 2 Only Vertically Integrated Operations for refined copper
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Access to Substantial Copper Ore Reserves in India



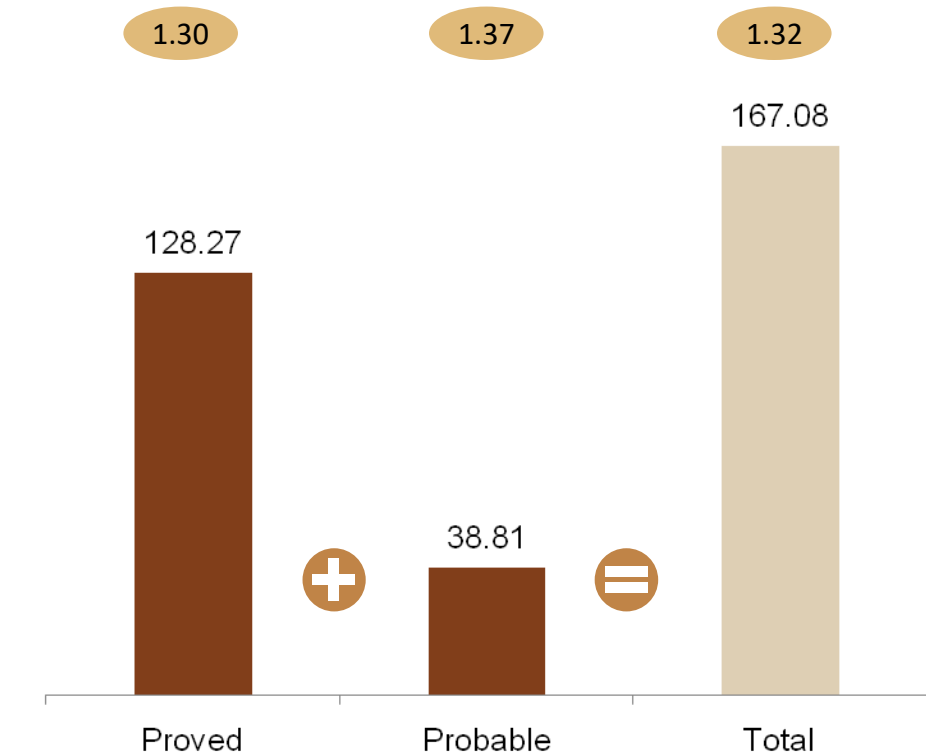
4

(as on 01/04/2020)

HCL has access to about 2/5th of India's copper ore resources & reserves

Reserves

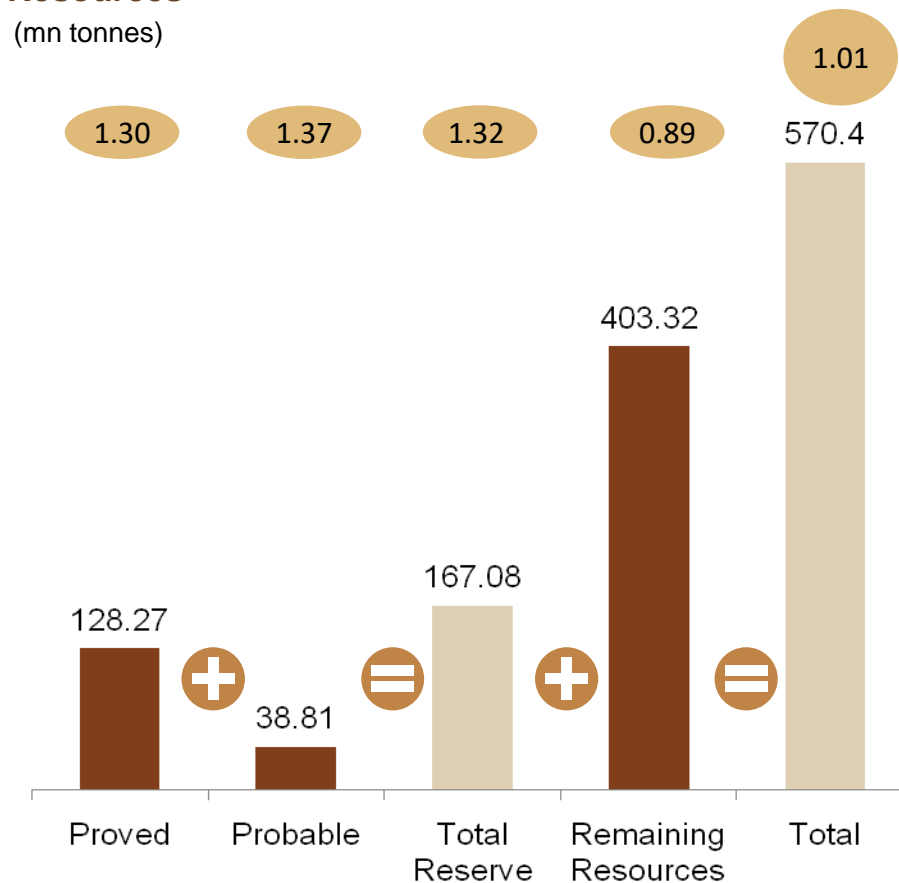
(mn tonnes)



Average Grade

Resources

(mn tonnes)



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

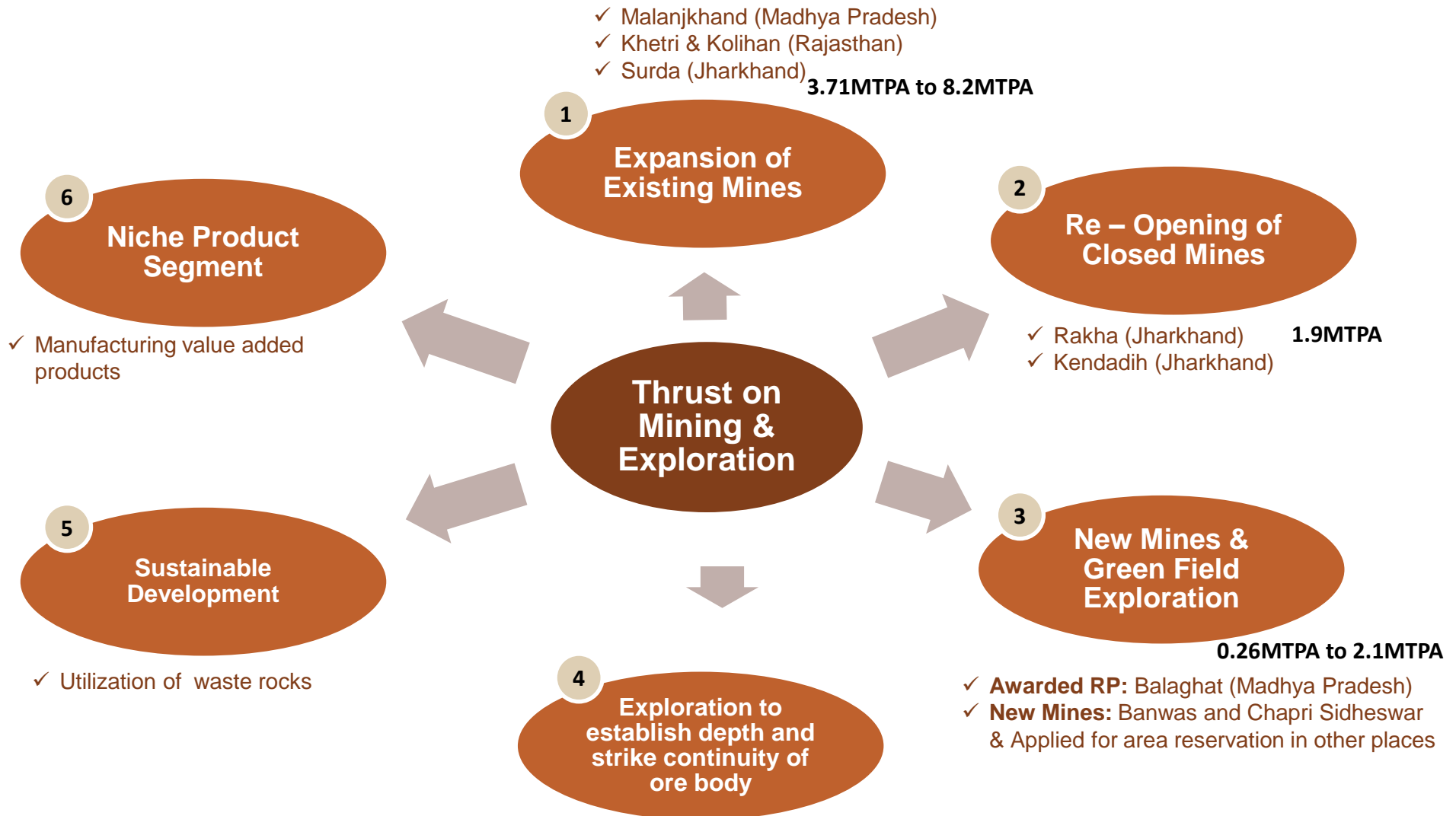
4 Access to Substantial Copper Ore Reserves in India

5 **Clear Roadmap for Expansion backed by exponential demand**

6 Healthy Financial Performance



5a Expansion Strategy: Thrust Areas



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 | Malanjhand | 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 | 2022 | 1.0 | 3,500 |
| | Total | 3.71 | 8.2 | 25,180 | | 13.4 | 41,600 |
| Reopening of Closed Mines | Kendadih | - | 0.4 | 940 | 2022 | 0.2 | 950 |
| | Rakha | - | 1.5 | 3,150 | - | 2.5 | 5,500 |
| | Total | - | 1.9 | 4,090 | | 2.7 | 6,450 |
| 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 |
| | Total | 0.26 | 2.1 | 5,070 | | 4.1 | 6,950 |
| Grand Total | | 3.97 | 12.2 | 34,340 | | 20.2 | 55,000 |



5c

Current Status of Mine Capex for enhancement of Capacity

Approval of Board

Invite RFQ

Issuance of RFQ

Finalization of Contract / award of contract

Mine Construction and Development

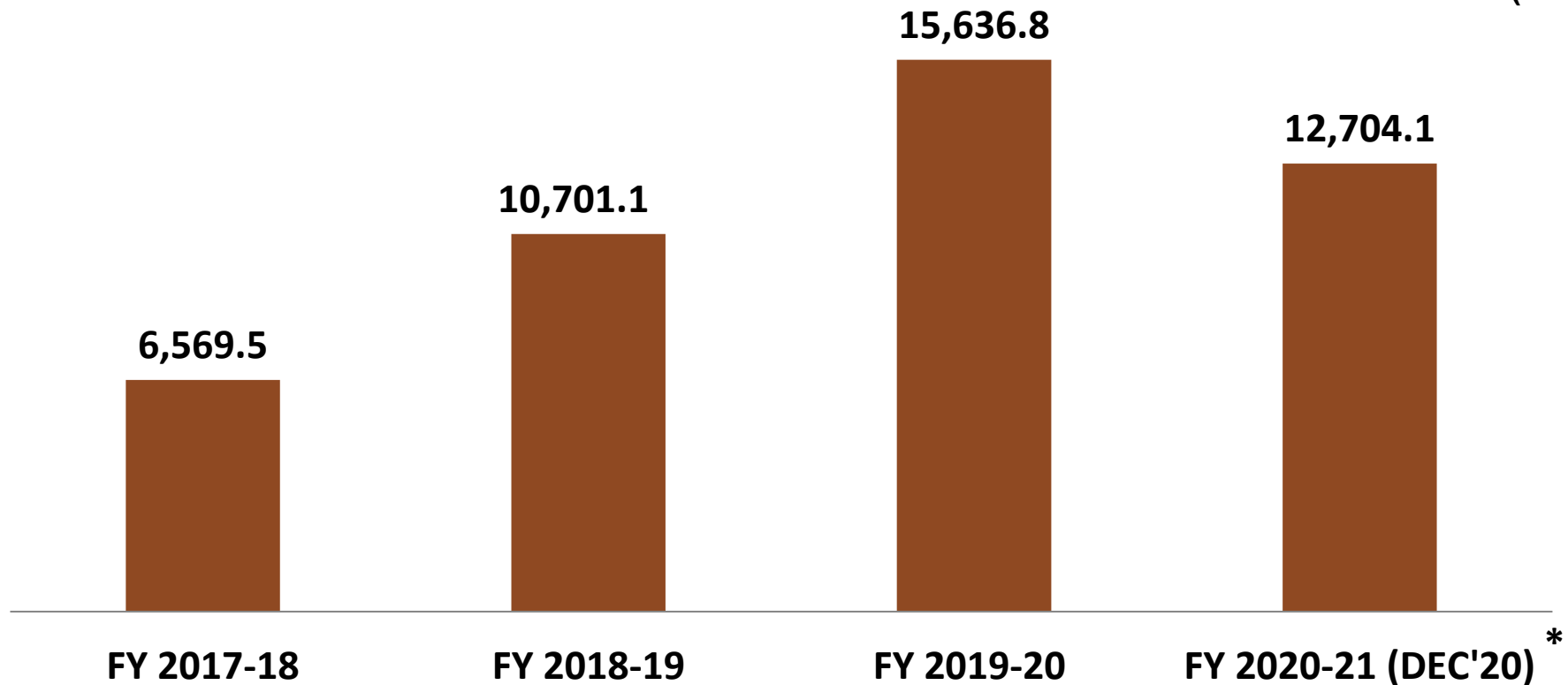
| Mine | Investment Approval | Invite RFQ | Issuance of RFP | Finalization of Contract / Award of contract | Current status of Mine Capex | Likely Scheduled Completion |
|-------------------------|-------------------------------|---|-----------------|--|--|----------------------------------|
| Malanjkhand | 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 | Work-in-Progress | 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. | Production will start soon. FY22 |
| Rakha | Investment approvals in place | Through MDO (Mine Developer cum Operator) route | | | | |
| Chapri-Sideshwar | 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 . | |



5c

Movement of Loan

(Rs. in Million)

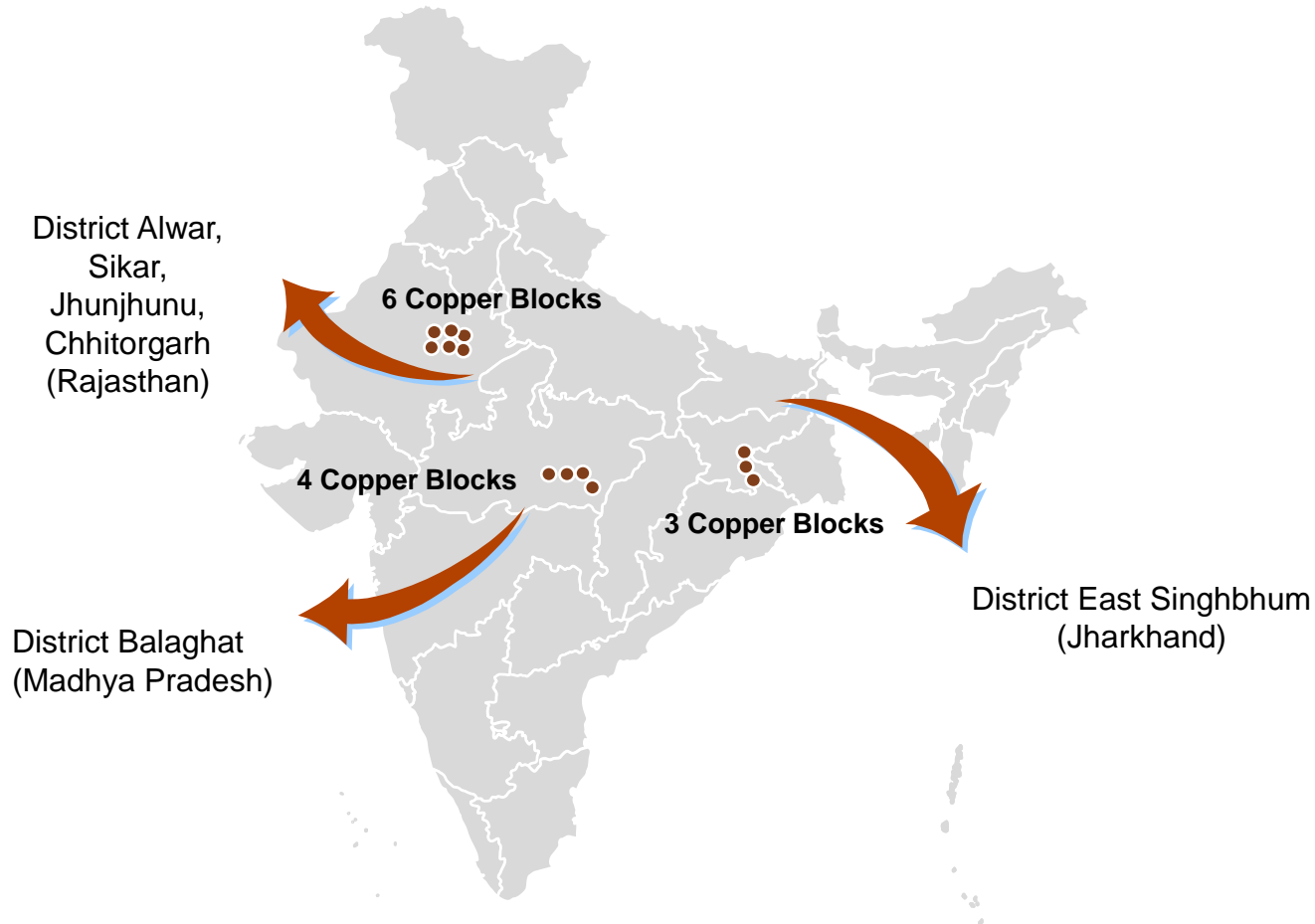


*Total Indebtedness as on December 31, 2020: Rs. 12,704.1 Million

Long term loan of Rs. 10,849.1 Million at an average cost of 6.17% p.a.

Short term loan of Rs. 1,455.0 Million at average cost of 6.60% p.a.

CC facility of Rs. 400 Million at 6.31% p.a.



Application Submitted for Reservation of area for Conservation of Copper Mineral under Rule 17(A) of Mines and Minerals (Development and Regulation) Act, 1957

- Notes:
- 1 Awarded RP in 580.73 sq km in the district of Balaghat in MP
 - 2 Map not to scale and is presented only to provide an indication of approximate locations of our mining complexes



5e

Setting up New Projects

| Project | Authorised Capital (INR mn) | Status |
|--|-----------------------------|---|
| CHHATTISGARH COPPER LIMITED JV with CMDC for exploration & exploitation of copper in Chhattisgarh State (HCL holding 74%). | 100 | <ul style="list-style-type: none">Chhattisgarh Copper Limited has been incorporated on 21.05.2018 as JV Company between HCL and CMDC.Exploration identified and area reservation applied for 2 BlocksCMDC (JV partner of CCL) has applied to NMET for fund support for exploration activity in CCL copper blocks Hiddar and Bodal in Chhattisgarh |
| KHANIJ BIDESH INDIA LIMITED (KABIL) JV with NALCO and MECL to identify , acquire, develop , process and make commercial use of strategic & other minerals in overseas locations for supply in India (HCL holding 30%). | 1,000 | <ul style="list-style-type: none">Khanij Bidesh India Limited (KABIL) has been incorporated on 08.08.2019 as a JV company between NALCO, HCL and MECL.KABIL is co-ordinating with 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. |

Key Highlights

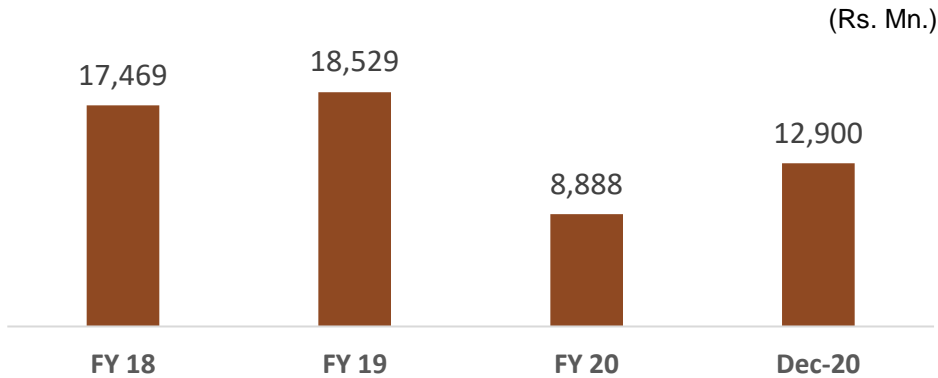


- 1 Significant Growth Potential in Copper Consumption in India
- 2 Only Vertically Integrated Operations for refined copper
- 3 Sole Operating Copper Ore mining Company in India
- 4 Access to Substantial Copper Ore Reserves in India
- 5 Clear Roadmap for Expansion backed by exponential demand
- 6 **Healthy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



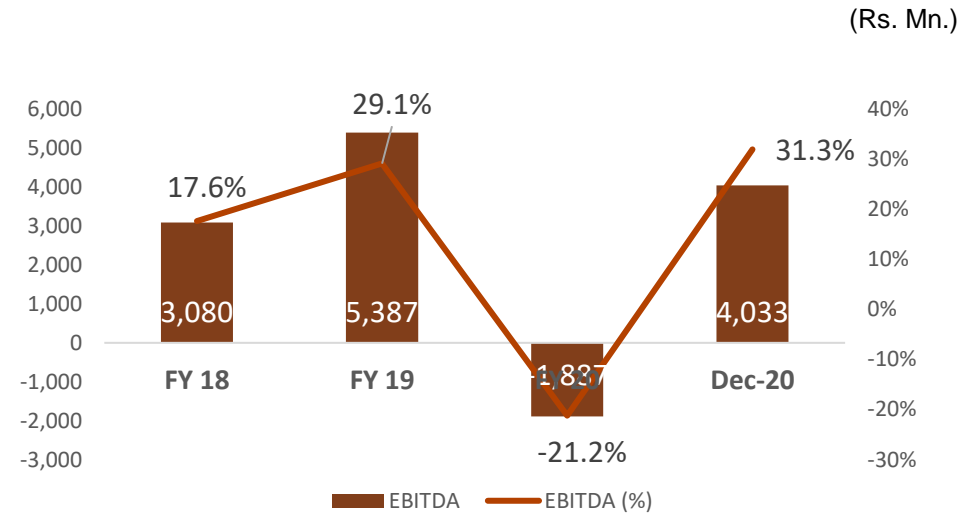
6 Key Financials

Total Revenue

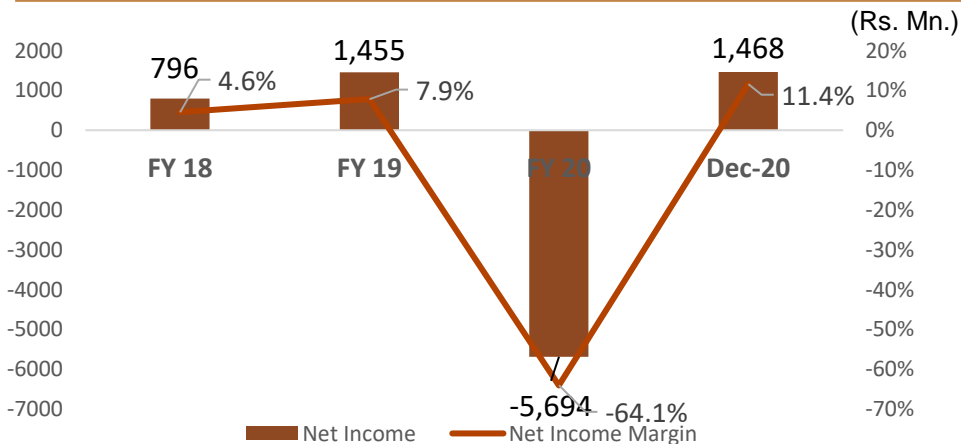


Note:
1 Revenue includes Net sales + Other Operating Income + Other income

EBITDA and EBITDA Margins

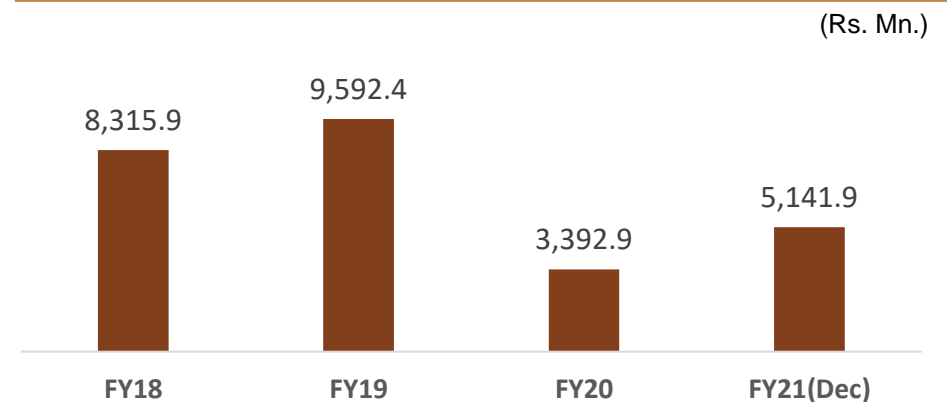


Net Income (PAT) and Net Income margin



Note:
1 Net Income margin = Net Income / Revenues (including other income)

Net Worth



Note:
Networth = Equity + Reserves & Surplus – Capital Reserve- Currency Fluctuation Reserve – Mine Development Exp

HCL's Copper Concentrate is Superior Kind of Clean Concentrate



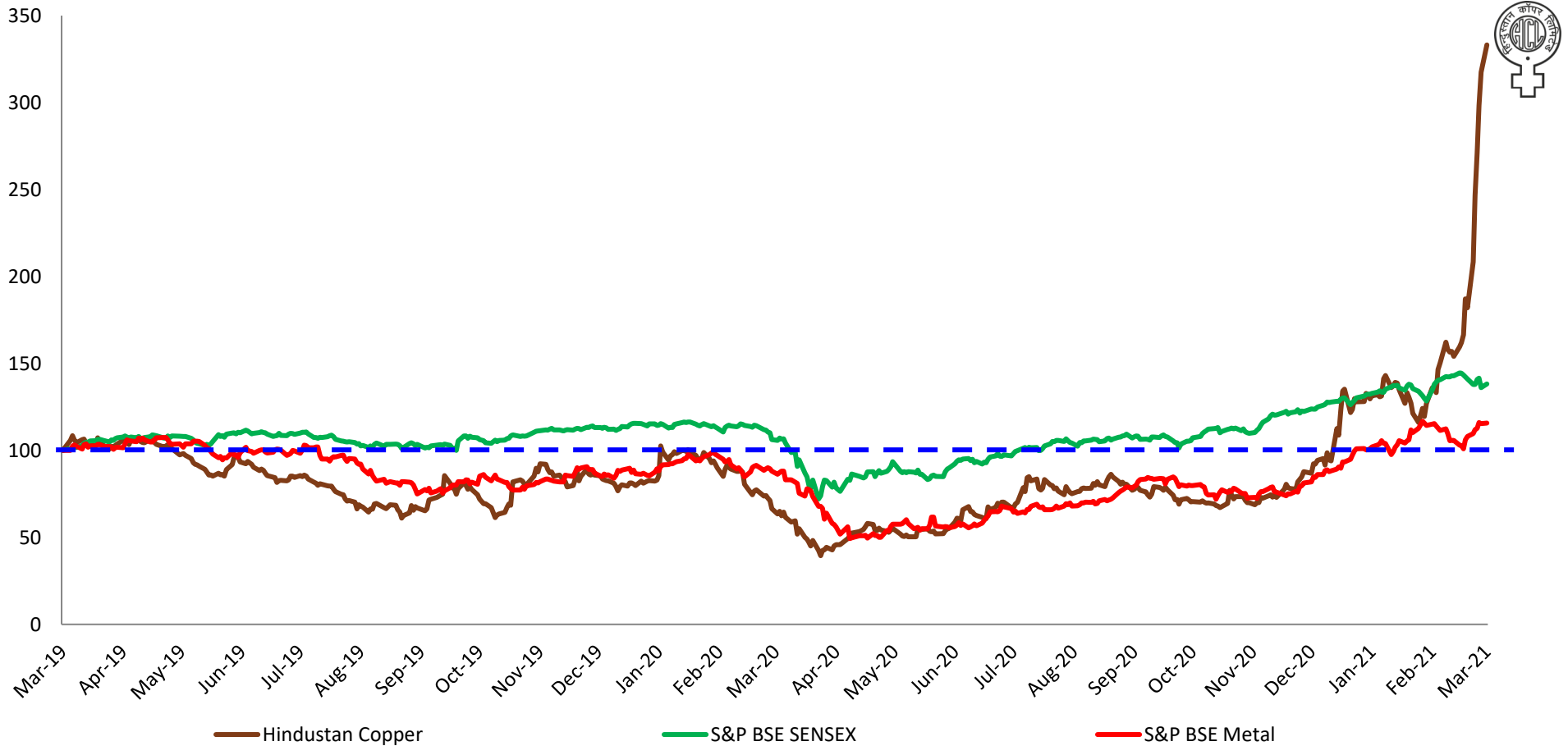
- Copper concentrates divided into clean or complex types depending on presence of deleterious elements.
- The main impurities (deleterious elements) in complex concentrates are Sb, As, Bi, Cd, Cl, F, Pb, Hg, etc.
- Each element has a threshold level above which a smelter will charge a penalty in addition 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.



7a

Historical | Stock Performance vis-à-vis Indices

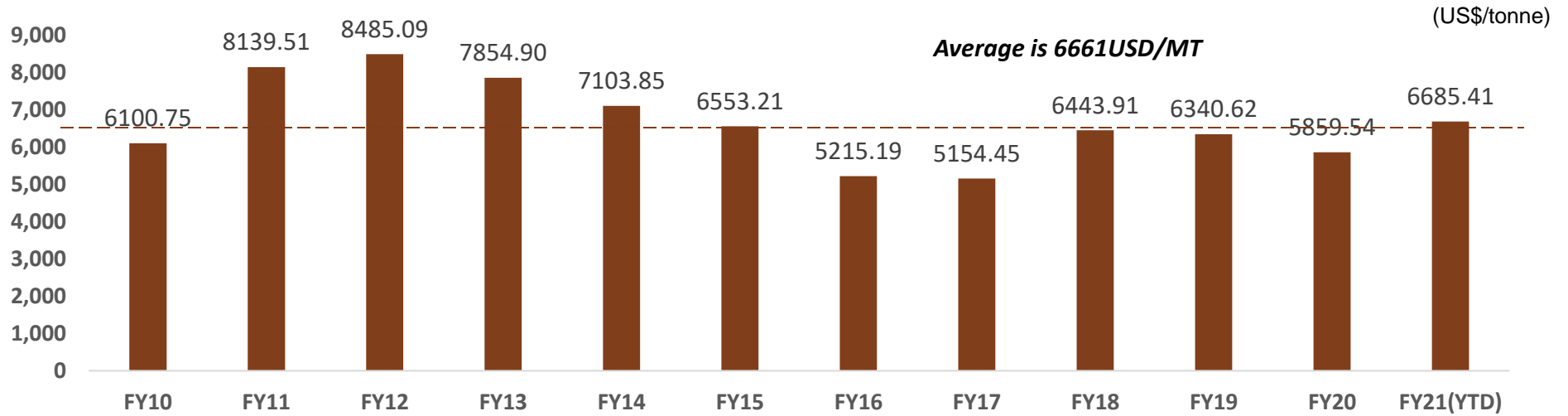
Hindustan Copper Performance vis-à-vis Indices



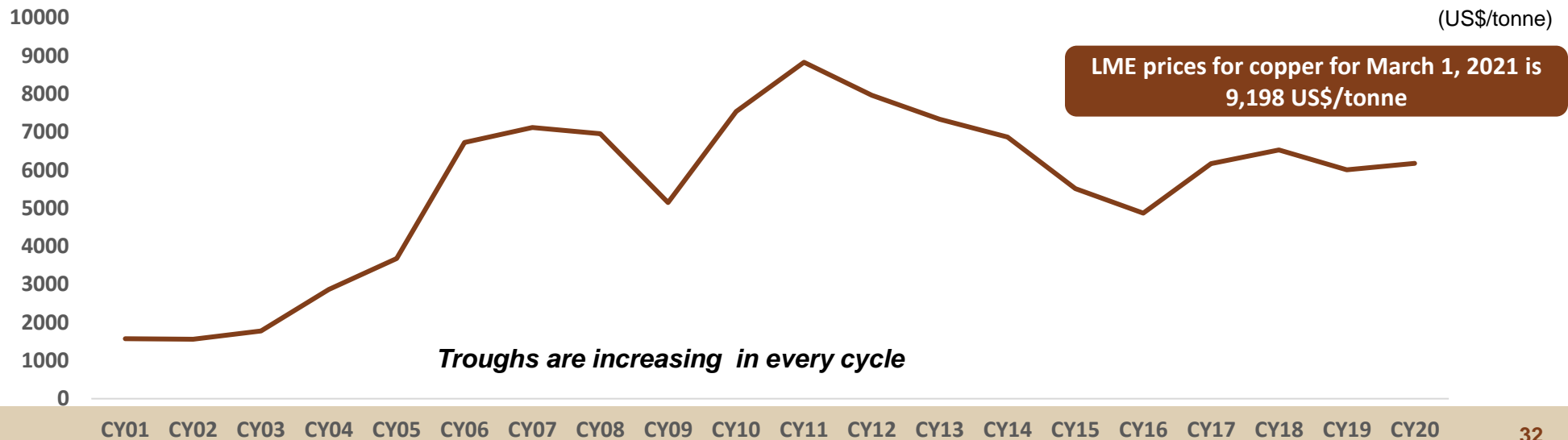


7b Historical | Copper Price Movement

London Metal Exchange (LME) Copper Price avg. above USD 6,500/tonne last 10 years



Copper Price movement for the last 20 years



Appendix

Experienced Management Team w.e.f. Jan 2020



Shri Arun Kumar Shukla
Chairman and Managing Director
Additional charge of Director (Operations)

- 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 Bailadila 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 GoI & 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.

Mining Lease Status as on February 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 subject to submission of Bank guarantee, ML renewal and FC Stage 1 approvals.) |
| | Kendadih | 0.45 | 1139.60 | 03.06.1973 | Extended till 02.06.2023 |
| | Rakha | 3.00 | 785.09 | 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: Chartered Engineer certificate dated March 2, 2021



Mine Life and Exploration Plan as per Environmental Clearance

| State | Mining Lease | Reserve and Resources as on 01.04.2020. | Mine Life @ Phase-1 expanded capacity rate of 12.2 MTPA production | Departmental Exploration Plan |
|----------------|--------------|---|--|---|
| Jharkhand | Surda | 31.98 Mn Tonnes | 17 Years | 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 | 32.26 Mn Tonnes | 36 Years | |
| | Rakha* | 123.52 Mn Tonnes | 14 Years | |
| Rajasthan | Khetri | 48.82 Mn Tonnes | 17 Years | |
| | Kolihan | 13.64 Mn Tonnes | 6 Years | |
| | Chandmari | 13.26 Mn Tonnes | EIA/EMP study for EC under progress | |
| Madhya Pradesh | Malanjkhanda | 306.92 Mn Tonnes | 23 Years | |

**Depth exploration has enhanced the resources of Rakha mining lease recently by 60.17 million tonnes, thus reserve and resources as on date is 630.57 million tonnes @ 0.99% Cu.*

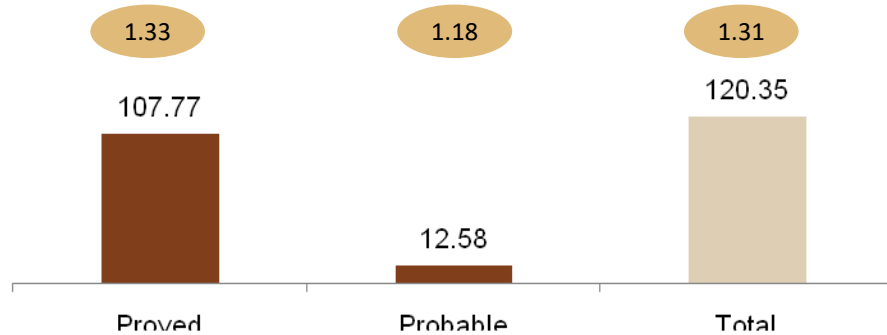
Malanjkhand Copper Project (MCP)

Dist: Balaghat, Madhya Pradesh



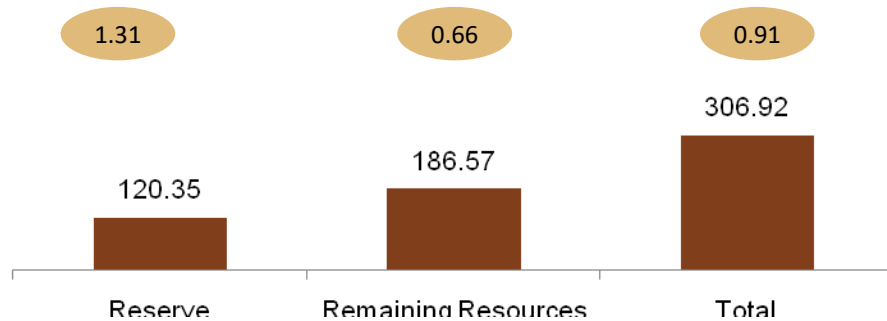
Reserves

(mn tonnes)



Resources

(mn tonnes)



Average Grade

Expansion Plans

- From existing 2.5 mtpa to 5.0 in Phase-I and upto 8.0 mtpa in Phase-II

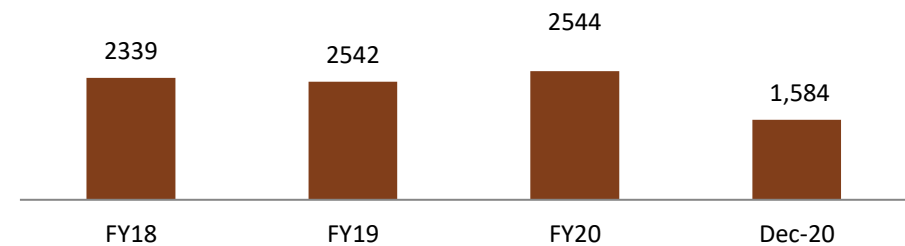
Mining Lease

| | Area (sq. km.) | Expiry |
|-----|----------------|-------------------------|
| MCP | 4.7990 | 27/08/2023 ¹ |

Note: ¹ Shall be extended as per Mineral (Mining by Government Company) Rules 2015

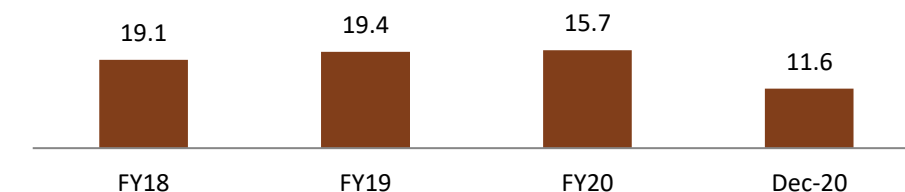
Copper Ore Production

('000 tonnes)



Metal - in- Concentrate Production

('000 tonnes)



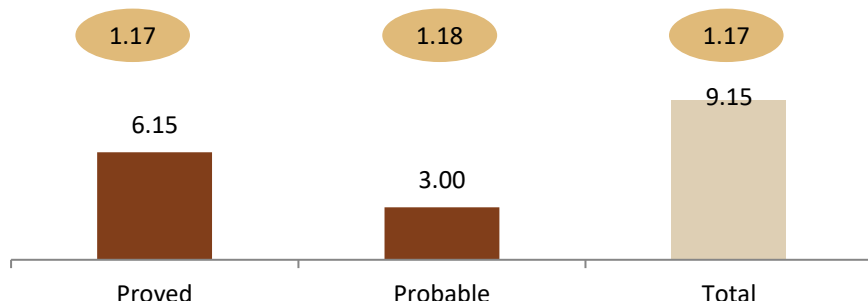
Indian Copper Complex (ICC)

Dist: Singhbhum, Jharkhand



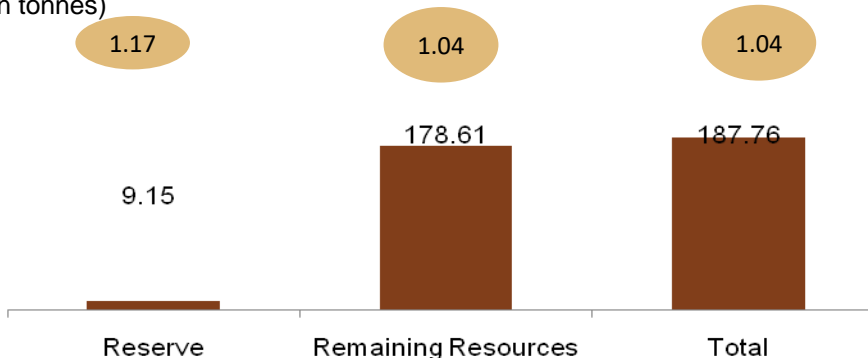
Reserves (As on 01.04.2020)

(mn tonnes)



Resources

(mn tonnes)



Average Grade

Expansion Plans

- Increasing Surda Mines capacity from 0.4 Mtpa to 0.9 Mtpa (Ph-I) and upto 1.0 Mtpa (Ph-II)
- Reopening of Closed Mines and establishing new Mines 3.0 Mtpa

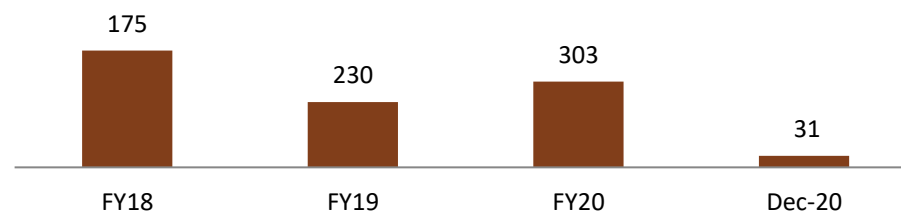
Mining Lease

| | Area (sq. km.) | Expiry |
|--------------------|----------------|-------------------------|
| ICC Surda Mines | 3.8868 | 31/03/2020 ¹ |
| ICC Kendadih Mines | 11.3960 | 02/06/2023 |
| ICC Rakha Mines | 7.8509 | 28/08/2021 |

Note: ¹ Extension expected soon as per Mineral (Mining by Government Company) Rules 2015

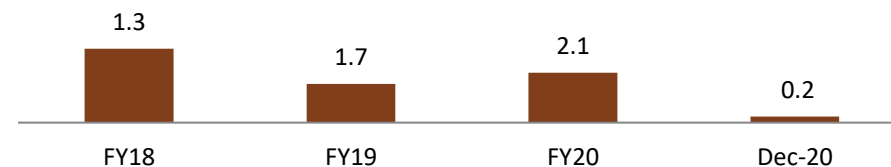
Copper Ore Production

('000 tonnes)



Metal - in- Concentrate Production

('000 tonnes)



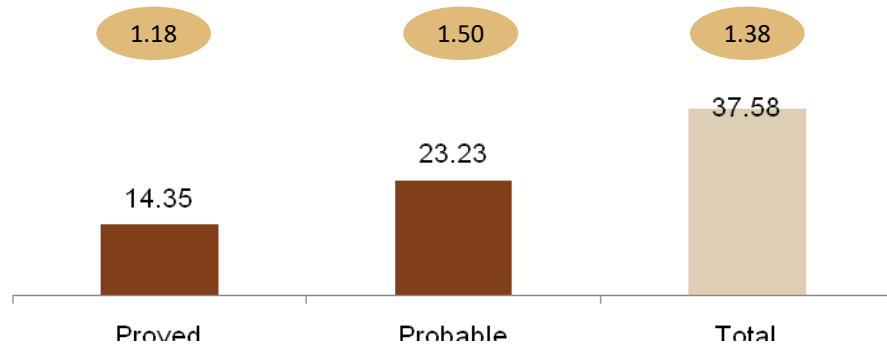
Khetri Copper Complex (KCC)

Dist: Jhunjunu, Rajasthan



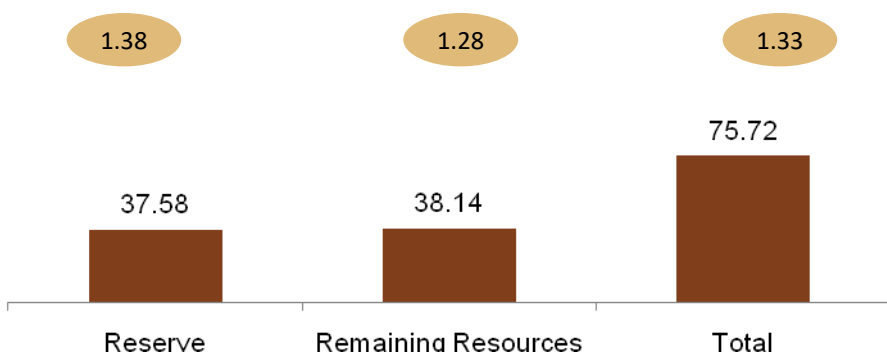
Reserves (As on 31.12.2020)

(mn tonnes)



Resources

(mn tonnes)



Average Grade

Expansion Plans

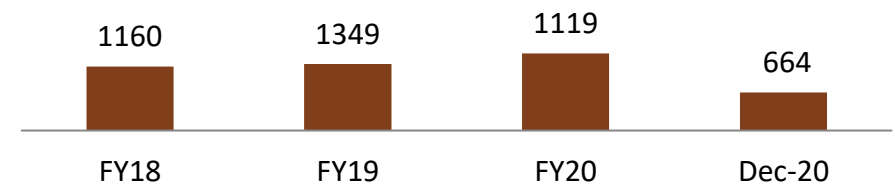
- Increasing Khetri & Kolihan Mines capacity from 1.0 Mtpa to 3.0 (Phase-I) and upto 5.0 Mtpa (Ph-II)

Mining Leases

| | Area (sq. km.) | Expiry |
|------------------|----------------|------------|
| KCC Mining Lease | 3.9507 | 31/03/2040 |
| Kolihan Mining | 1.6323 | 31/03/2040 |
| Chandmari Mining | 1.4825 | 26/12/2022 |

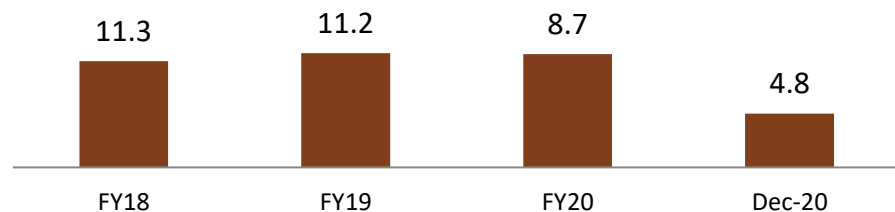
Copper Ore Production

('000 tonnes)



Metal - in- Concentrate Production

('000 tonnes)



ISO Certification



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



HINDUSTAN COPPER LIMITED

A GOVERNMENT OF INDIA ENTERPRISE



THANK YOU



March 2021