

### India

### Neutral (no change)

#### **Highlighted Companies**

#### **NMDC**

ADD, TP Rs319, Rs221 close

Iron ore prices are rising & may stay above the above current levels. The uptrend is likely to result in higher FY25F/26F realization at ~Rs5,500-5,750/t, respectively. We estimate EPS of Rs22.4/Rs27.2/Rs30.7for FY24F/25F/26F, respectively. We value the stock at 6.5x FY26F EV/EBITDA and introduce a new target price of Rs319.

#### **Summary Valuation Metrics**

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P/E (x)	Mar24-A	Mar25-F	Mar26-F
NMDC	9.86	8.12	7.2
P/BV (x)	Mar24-A	Mar25-F	Mar26-F
NMDC	2.41	1.99	1.67
Dividend Yield	Mar24-A	Mar25-F	Mar26-F
NMDC	3.04%	3.7%	4.17%

### **Metals and Mining**

### Indian iron ore - structural upswing

- Newly auctioned iron ore mines are unviable to operate, and steel scrap availability not rising in sync with steel output. Iron ore prices are likely to rise.
- Any shortfall in production (25mt, 62%Fe) by Lloyds could lead to an iron ore shortage in FY26F. In our base case, shortage is expected to begin in FY27F.
- NMDC remains our top pick. We value the stock at 6.5x FY26F EV/EBITDA to arrive at our target price of Rs319. Retain our ADD rating on it.

### Overzealous bidding has made mines won in auctions unviable

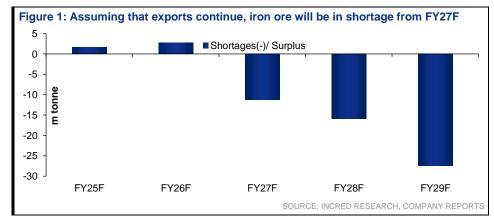
India's iron ore reserves are substantial, but their potential has been hampered by systemic challenges. Historically, allegations of graft and subsequent investigations pushed the government to adopt auctions as the primary method for granting mining leases. Despite the Supreme Court's 2012 opinion, which suggested that auctions should not be the sole allocation method for natural resources, successive governments—including the United Progressive Alliance or UPA and National Democratic Alliance or NDA—have relied on this approach to avoid controversy. This shift, while aimed at transparency, has had its unintended consequences. Overzealous bidding during these auctions has rendered many mines economically unviable. In several cases, winning bidders committed to paying premiums so steep that operational costs now surpass market prices. For instance, some bidders agreed to pay royalties at rates equivalent to 140% of Indian Bureau of Mines' (IBM) prices, effectively tying their costs to volatile market prices. This creates a scenario where mining operations are perpetually unprofitable unless global iron ore prices surge while domestic prices remain subdued—a paradox, given India's allowance for iron ore exports. These flawed bidding strategies, often driven by aggressive assumptions rather than rational financial modelling, undermine the viability of domestic mining operations. As a result, many mines remain non-operational, straining India's iron ore supply and leaving the industry overly reliant on external factors to achieve profitability.

### Iron ore production growth is dependent on NMDC and Lloyds Metals

India's iron ore production growth is dependent on two companies: NMDC (ADD) & Lloyds Metals (UNRATED). While NMDC has environmental clearance (EC) to ramp up output to 53mt (6-7mt more than the current level), Lloyds Metals has plenty of room as it has EC for 55mt. However, please note that Lloyds Metals produces magnetite iron, which has a lower Fe content (it later undergoes beneficiation to increase the Fe content, making it usable for Indian users). For the metallic balance calculation, we have assumed an equivalent of 62% Fe content. Even after assuming full ramp-up by Lloyds Metals, India will still be facing a deficit of iron ore, as both scrap production and imports are stagnating (please note that ~60mt of electric arc furnace capacity can use scrap or sponge iron as feed material).

### NMDC is a direct beneficiary of rising iron ore prices; reiterate ADD

NMDC is a direct beneficiary of rising iron ore prices in India. We see a high probability of consensus earnings upgrades in the coming quarters. Retain ADD rating on NMDC. Downside risks: A complete ban on exports of iron ore & pellets by the government in FY26F.



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### Indian iron ore - structural upswing

Delay in mine ramp-up, extremely high-cost bidding, and a very tight global scrap market are likely to result in lower mine-head inventory, thereby driving domestic iron ore prices higher. It is also worth noting that international iron ore prices remain strong relative to steel prices, providing additional support for domestic iron ore prices.

### Indian iron ore production is in a tough spot

India has vast iron ore reserves; however, multiple cases of graft and subsequent investigations have led to auctions becoming the preferred route for granting mining leases. In 2012, in the context of a presidential reference, the Supreme Court stated that it did not believe auctions should be the only method for allocating natural resources. Despite this, the fear of graft allegations prompted the UPA government and subsequent administrations to adopt auctions as the preferred method. Unfortunately, overzealous bidders have often bid so aggressively that many iron ore mines won through auctions have become unviable to operate.

# In 2012, in view of the presidential reference, the Supreme court ruled that auction is not the only method for grant of natural resources >

The Presidential Reference on the Auction of Natural Resources in India is a landmark opinion by the Supreme Court of India under Article 143 of the Constitution, addressing the method of allocation for natural resources. This reference was made by the President of India following the controversies surrounding the allocation of natural resources, particularly in the wake of the 2G spectrum case.

### Background:

- 2G spectrum case: The Supreme Court in 2012 cancelled 122 telecom licences issued in 2008, stating that the allocation of spectrum was arbitrary and unconstitutional. It held that natural resources should be allocated through a transparent method like an auction.
- The judgment raised concerns about whether auctions were mandatory for allocating all natural resources, leading to a Presidential Reference seeking clarity on the matter.

### Key questions in the presidential reference:

- Are auctions the only permissible method for allocating natural resources?
- Does the government have the flexibility to use other methods based on economic and social considerations?
- What is the scope of judicial review in such allocation decisions?

#### Supreme Court's advisory opinion (Sep 2012):

The apex court clarified the following:

#### 1. Auctions are not mandatory:

- While auctions are a transparent and preferable method for maximizing revenue, they are not the only method permissible under the Constitution.
- The government has the discretion to adopt other methods (e.g., first-come, first-served, or direct negotiations) if they serve broader public interest, such as promoting economic growth or achieving equity.

### 2. Public interest is paramount:

 The allocation of natural resources must always be guided by public interest.



 The government should justify its choice of the allocation method with sound reasoning aligned with constitutional principles.

#### 3. Judicial review:

- The judiciary can review allocation decisions to ensure they are not arbitrary or malafide.
- However, the judiciary will not interfere with the policy decisions of the executive unless there is clear evidence of legal or constitutional violations.

### 4. Revenue maximization is not the sole objective:

- o The government is not bound to maximize revenue at all costs.
- Factors like economic development, employment generation, and public welfare can also influence allocation methods.

### Implications:

- This opinion upheld the principle that natural resources are owned by the public and should be used in a manner that benefits the society as a whole.
- It restored some flexibility to the government in resource allocation, balancing the need for transparency with economic and social considerations.

This presidential reference remains a guiding framework for policymaking on the allocation of natural resources in India.

# However, for the fear of graft charges, governments have chosen the path of auction, which is essentially profit maximization >

Despite the Supreme Court's opinion on the presidential reference, the UPA government in 2012 and subsequent NDA governments have chosen the path of auctions, which essentially prioritizes profit maximization.

# In 2015, the Government of India introduced the MMDR Amendment Act, which established a timeline for the expiry of all old mining leases ➤

The Mines and Minerals (Development and Regulation) Amendment Act, 2015 (MMDR Amendment Act, 2015) brought significant reforms to the allocation and regulation of mining leases in India. One key aspect of the amendment was the establishment of a clear timeline for the expiry of old mining leases, aimed at promoting transparency, efficiency, and fair allocation of mineral resources. Key provisions related to expiry of old mining leases:

### A. Auction as the sole method for grant of mining leases:

The amendment introduced competitive bidding (auctions) as the only method for granting mining leases for major minerals, ending the earlier first-come, first-served or discretionary allocation process.

This move aligned with the principles laid down in the Supreme Court's judgments, including the presidential reference on natural resources.

### B. Timelines for expiry of existing leases:

a. Captive and non-captive mines:

The amendment set specific deadlines for the expiry of leases granted before the enactment of the MMDR Act, 1957:

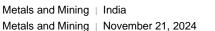
Non-captive mines (mines that sell minerals to third parties): Expiry on 31 Mar 2020.

Captive mines (mines used for specific industries, such as steel and cement): Expiry on 31 Mar 2030.

b. Mandatory re-auction after expiry:

Upon the expiry of these old leases, the mining blocks were to be reallocated through public auctions, ensuring transparency and maximization of government revenue. This marked a shift towards a market-based approach for resource allocation.

c. Transition provisions:





Existing leaseholders were allowed to continue operations until the expiry of their leases, provided they adhered to statutory compliance requirements.

### Overzealous and insecure companies have bid too high in iron ore auctions >

With the mining ban fresh in their minds, most steel companies bidding in iron ore mine auctions, are bidding at an obnoxious premium to the Indian Bureau of Mines' prices.

Figure 2: Most iron ore blocks with potential for immediate mining have been bid at extremely high premiums; please note that the bid percentages represent the premium over IBM prices (IBM = Indian Bureau of Mines); this is the list of recent auctions which have not happened in Odisha

Name of Block	Preferred Bidder	Date of auction	ML / CL	Area (in ha)	Reserves (in mt)	Final Bid (in %)
Mincheri RF	South-West Mining Limited	11.03.2024	CL	1327	NA	12.6
Basri Ganeshpura Block	Terroso Quartz Private Ltd.	18.04.2024	CL	38.19	6.5	97.01
Dedrauli Iron-ore Block	Pacific Industries Ltd.	29.04.2024	CL	754.38	395.14	211.9
Khora Iron-block	Win Ferro Alloys Private Ltd.	30.04.2024	CL	462.3	354.27	108.2
Todupura Iron-block	Gallantt Ispat Ltd.	02.05.2024	CL	260.71	85.42	175.05
Liloti Block	Ambashakti Udyog Ltd.	16.08.2024	CL	410.94	3.65	77.55
Surjagad – 1 Iron Ore Block	Natural Resources Energy Private Ltd.	09.05.2023	CL	1526	N.A.	126.35
Surjagad – 2 Iron Ore Block	Universal Industrial Equipment and Technical Services Pvt. Ltd.	09.05.2023	CL	886	N.A.	139.75
Surjagad – 3 Iron Ore Block	Omsairam Steels and Alloys Pvt. Ltd.	09.05.2023	CL	640	N.A.	115.1
Surjagad – 4 Iron Ore Block	JSW Steels Ltd.	12.05.2023	CL	397	N.A.	131.05
Surjagad – 6 Iron Ore Block	Sunflag Iron and Steel Company Limited	17.05.2023	CL	658	N.A.	118.45
Block V- Advalpale-Thivim Mineral Block	Fomento Resources Private Limited	21.04.2023	ML	36.22	3.83	58.85
Block VI- Cudnem-Cormolem Mineral Block	JSW Steel Limited	25.04.2023	ML	38.51	9.77	96.65
Block VII-Cudnem Mineral Block	Vedanta Limited	26.04.2023	ML	75.3	8.28	93.15
Block VIII-Thivim-Pirna Mineral Block	K A I International Private Limited	2704.2023.	ML	72.05	1.69	100.12
Block IX-Surla-Sonshi Mineral Block	JSW Steel Limited	28.04.2023	ML	254.51	65.73	109.8
Nayorana-Dandela	Pacific Industries Limited	11.07.2023	CL	16.78	3.3	40.05
Block No. 04, HRG	R Praveen Chnadra	24.07.2023	ML	40.04	5.32	149.1
Lakshmakapalle (North)	JSW Steel Ltd.	28.07.2023	CL	N.A.	N.A.	17.1
Lakshmakapalle (South)	JSW Steel Ltd.	28.07.2023	CL	N.A.	N.A.	16.2
Addankivaripalem	JSW Steel Ltd.	28.07.2023	CL	N.A.	N.A.	14.4
Meralgara-Barabaljori Iron Ore Block	M/s Agrasen Sponge Pvt. Ltd.	10.08.2023	ML	115.22	0.64	250.1
Ladi Ka Bas Block Tehsil Neem ka Thana & District Sikar	Sponge Sales India Pvt. Ltd.	28.08.2023	CL	38.75	N.A.	145.65
Kalakota Block Tehsil Neem ka Thana & District Sikar	Emerald Buildhome Private Ltd.	29.08.2023	CL	34.44	N.A.	275
Toda Block n/v Toda, Tehsil Neem ka Thana, District Sikar	Emerald Buildhome Pvt Ltd	12.09.2023	CL	18.43	N.A.	66
Siluwa and Jhansi Iron Ore Block	Khatri Minerals & Mining Company	13.09.2023	ML	4.59	0.86	822.55
Pindrai Iron Ore Block	Syna Steels Private Limited	14.09.2023	ML	6	2.12	302.52
Jaisinghpura North Block	JSW Steel Limited	21.08.2023	ML	298.59.	17.66.	150.3
Girar	Fomento Resources Pvt. Ltd.	23.11.2023	CL	271.18	Fe-100	4.05
Bharhari	Fomento Resources Pvt. Ltd.	24.11.2023	CL	134.77	14.89	4.8
			SOURC	E: INCRED R	RESEARCH, COMP	PANY REPORTS

# The premiums mentioned in the above table are a percentage of the declared IBM prices ▶

The premiums at which these mines are bid represent the amount paid over the respective IBM prices of iron ore in that state.

## IBM calculates prices for each particular state using the following broad methodology: ▶

IBM (Indian Bureau of Mines) calculates **iron ore prices in India** using a systematic methodology based on market transactions, quality parameters, and government regulations. The key steps and factors involved in the calculation are as follows:



### A. Monthly average sale price (MASP):

- The MASP is determined for each grade of iron ore and is the average of the prices at which transactions occurred during the previous month.
- IBM collects data on actual sales prices reported by mining companies, including dispatch details.

### B. Basis of price determination:

The MASP is influenced by several factors:

#### 1. Grade of iron ore:

- Iron ore is categorized based on Fe content (iron content), typically in bands (e.g., 58%-60%, 60%-62%, etc.).
- Higher-grade ores fetch higher prices due to greater demand in steelmaking.

#### 2. Form of iron ore:

- Prices differ based on whether the ore is sold as lumps, fines, or concentrates.
- Lumps typically command a premium due to better usability in steelmaking.

### 3. Transportation and logistics:

 The location of mines and proximity to end-users or ports impact transportation costs, which can indirectly influence prices.

#### 4. Market transactions:

- Prices reflect actual realized sales from mines to buyers such as steel-makers and traders.
- o IBM ensures that prices reported align with verified invoices.

### 5. Reporting and verification:

- Mining companies are required to submit monthly returns to IBM with details on:
  - Quantity sold
  - Price per tonne
  - Grade
  - Destination
- IBM audits these returns to ensure accuracy.

# In case there are multiple merchant mines in the state, then they take top 10 mines for price calculation ➤

The Indian Bureau of Mines (IBM) often prioritizes data from the top merchant mines in a state when calculating the monthly average sale price (MASP) for iron ore. This approach ensures that the price reflects the most representative and high-volume transactions in the region. Here's how this works:

#### 1. Focus on top merchant mines:

- IBM relies on **transaction data** submitted by mining companies. For states with multiple mines, IBM may focus on the **top 10 merchant mines** by production or sales volume.
- This ensures that the prices reflect the **bulk of the market activity** rather than outliers or smaller-scale operations.

### 2. Weightage to high-volume transactions:

- IBM assigns a higher weightage to **high-volume transactions** to derive a fair average price.
- Top merchant mines contribute significantly to overall iron ore sales, making their prices more relevant in determining state-level averages.

#### 3. Elimination of outliers:

 Smaller mines or atypical transactions with unusually high or low prices are often excluded or given lower weightage.



 By using data from large, active mines, IBM avoids skewing the MASP with anomalies.

### 4. State-specific calculation:

- MASP is calculated **state-wise**, as the iron ore prices can vary significantly across states (e.g., Odisha vs. Karnataka) due to:
  - Differences in grade availability.
  - Logistics costs to end-user markets.
  - Local supply-demand dynamics.

# Hence, viablity of all these iron ore mines has to seen vis-à-vis respective state - in almost 100% of cases, these mines are unviable for any usage ➤

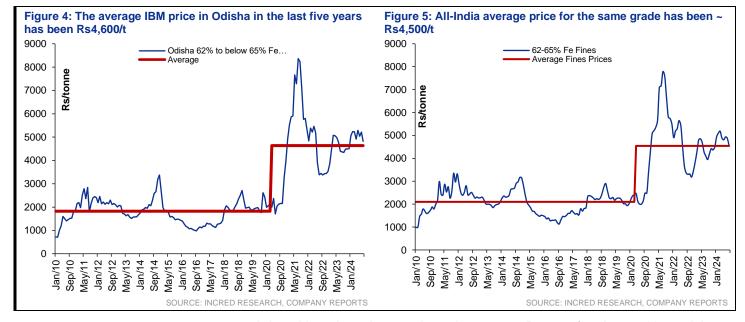
We make the following broad assumptions for calculation of mine viability.

- A. Cost of mining in most of these mines is minimal. In most, recurring opex for mining is less than US\$10/t.
- B. We have left the mines which require prospecting, etc, which means they are multiple years away from production.

Here, we will analyze the case of Odisha, as this state can export iron ore as well as pellets.

Figure 3	Figure 3: The average bid in Odisha has been at 112% to IBM prices							
State	Name of the Block	Mineral	Date of auction	ML/ CL	Area (in ha)	Reserves (in mt)	Final Bid (in %)	preferred bidder
Odisha	Ghoraburhani- Sagasahi	Iron Ore	02.03.2016	ML	139.2	99.59	44.35	Essar Steel
Odisha	Kalamang West (Northern part)	Iron Ore	18.05.2017	ML	92.875	92.85	100.1	Bhushan Steel Ltd
Odisha	Netrabandha	Iron Ore	19.05.2017	ML	139.22	81.973	87.15	Bhushan Power and Steel Ltd
Odisha	Nuagaon Iron Ore Block	Iron Ore	31.01.2020	ML	776.97	789.05	95.2	JSW Steel Ltd
Odisha	Narayanposhi Iron Ore & Manganese Block	Iron Ore & Manganese	01.02.2020	ML	347.01	185.1	98.55	JSW Steel Ltd
Odisha	Thakurani Iron Ore Block	Iron Ore	02.02.2020	ML	228.74	179.27	107.6	Arcelor Mittal India Pvt Ltd
Odisha	Balda Iron Ore Block	Iron Ore	03.02.2020	ML	343.98	200.11	118.1	Serajuddin & Co.
Odisha	Ganua Iron Ore Block	Iron Ore	04.02.2020	ML	88.516	118.92	132	JSW Steel Ltd
Odisha	Jilling - Langalota Iron Ore Block	Iron Ore	05.02.2020	ML	456.04	72.84	135	Shyam Ores Jharkhand Pvt. Ltd (reserved for OMC)
Odisha	Jajang Iron Ore Block	Iron Ore	06.02.2020	ML	669.08	39.42	110	JSW Steel Ltd
Odisha	Roida II Iron Ore Block	Iron Ore	07.02.2020	ML	74.702	25.89	90.9	Narbheram Power and Steel Pvt Ltd
Odisha	Mahulsukha Iron Ore & Manganese Block	Iron Ore and Manganese	08.02.2020	ML	390.32	33.54	92.7	Patnaik Minerals Private Ltd
Odisha	Gorumahisani Iron Ore Block	Iron Ore	10.02.2020	ML	348.05	17.6	115	Ghanshyam Mishra & Sons Private Limited
Odisha	Nadidih Iron Ore and Manganese Block(Feegrade)	Iron Ore and Manganese	16.09.2021	ML	117.21	23.69	92.3	ESL Steel Ltd
Odisha	Kolmong Iron Ore and Manganese Block	Iron Ore and Manganese	12.02.2020	ML	218.48	Fe-1.4, Mn-3.69	100	Yazdani Steel & Power Ltd
Odisha	Siljora-Kalimati Block	Iron Ore and Manganese	13.02.2020	ML	713.51	Fe-0.72, Mn-3.79	154	DebabrataBehera
Odisha	Jaribahal Iron Ore Block	Iron Ore	14.02.2020	ML	107.44	7.15	150	Kashvi International Pvt Ltd
Odisha	Teherai Iron Ore and Manganese Block	Iron Ore and Manganese	15.02.2020	ML	135.08	Fe-8.90, Mn-0.06	93.06	Tarama Appartment Pvt Ltd (Forefeited)
Odisha	Jururi Iron Ore Block	Iron Ore	16.02.2020	ML	73.413	2.7	126.3	JagatJanani Services Private Limited
Odisha	Guali Iron Ore Block	Iron Ore	17.03.2020	ML	365.03	194.94	144	Jindal Steel & Power Ltd (reserved for OMC)
Odisha	Badampahar Iron Ore Block	Iron Ore	01.07.2020	ML	128.43	4.484	95.15	GM Iron & Steel Company Ltd
Odisha	Kasia Iron Ore & Dolomite Block	Iron Ore & Dolomite	16.09.2021	ML	194.19	278.04	118.1	Jindal Steel & Power Ltd
Odisha	Nadidih Iron Ore Block (BICO)	Iron Ore	16.09.2021	ML	74.5	27.04	95.6	ESL Steel Ltd
Odisha	Chandiposhi Iron Ore Block	Iron Ore	16.09.2021	ML	131.58	47.07	113.1	Rungta Mines Ltd
Odisha	JumkaPathiriposhiPahar Iron Ore Block	Iron Ore	16.09.2021	ML	158.509	140.28	110.15	Rungta Mines Ltd
Odisha	Dholtapahar Iron Ore Block	Iron Ore	16.09.2021	ML	60.51	23.92	126.55	Kashvi Power & Steel Pvt. Ltd
Odisha	Gandhalpada Iron Ore Block	Iron Ore	16.09.2021	ML	241.1	314.37	141.25	Tata Steel Mining Ltd
Odisha	NetrabandhaPahar (West)	Iron Ore	16.09.2021	ML	74.37	17.265	139.5	Raga Tradecon Pvt. Ltd
Odisha	Pureibahal Block	Iron Ore	04.10.2021	ML	64.337	46.8	124	Rungta Mines Limited
Odisha	Kendudhi North Block	Iron ore & Manganese	14.03.2023	ML	187.86	109.76	100	Rungta Mines Limited
Odisha	Kedesala North East Block	Iron Ore	17.03.2023	ML	100.44	51.89	100	Rungta Mines Limited
Odisha	Orahuri Block (E)	Manganese & Iron Ore	21.03.2023	ML	50.203	7.18	140.1	Om Sairam Steels & Alloys Pvt. Ltd.
								SOURCE: INCRED RESEARCH, COMPANY REPORTS





It is evident that when market prices are at Rs4,700/t, miners with a minimum production cost of  $112\% \times Rs4,700 + Rs800 = Rs6,064/t$  cannot operate profitably. As a result, most of these mines have yet to commence production.

Even exports are not viable for these mines, as higher than 58% grade iron ore attracts 30% export duty, which makes them unviable. The other option is to set up a pellet plant to convert iron ore into pellets and then export the same to China. However, as we will see in the calculations, even that is not a viable alternative for Indian iron ore producers.

Figure 6: Selling iron ore from not viable	merchant mines won in a	n auction is
	US\$/t	Rs/t
CIF China prices	110	9,240
Freight and insurance charges	10	840
FOB realization	100	8,400
FOB realization adjusted for moisture	90	7,560
Land freight	24	2,000
Ex-mine realization	66	5,560
Premium paid	63	5,264
Ex-mine NSR	4	296
Mining costs	10	840
Net EBITDA loss	-6	-544
	SOURCE: INCRED RESEARCH, COM	MPANY REPORTS

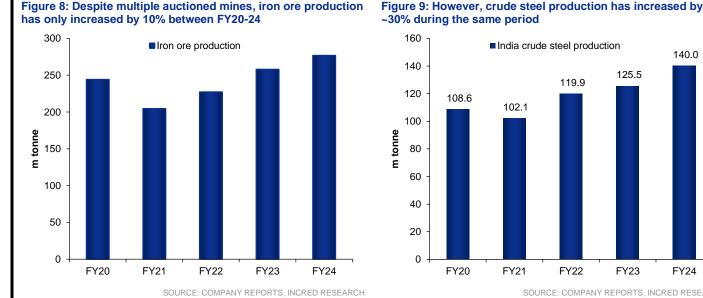
also a loss-making proposition	•	
	US\$/t	Rs/t
CIF China prices	130	10,920
Freight and insurance charges	10	840
FOB realization	120	10,080
Land freight	24	2,000
Ex-plant realization	96	2,000
Pellet-making costs	23.81	2,000
Iron ore costs	74.36	6,246
Pellet EBITDA	-1.98	-166
SOURCE: INCRE	ED RESEARCH, COMPAN	Y REPORTS

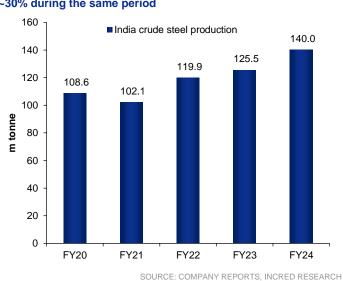
Figure 7: Even converting them into pellets and selling is

## As a result, iron ore production is not growing at the pace envisioned during iron ore mine auctions ▶

For the past few years, Indian iron ore production has stagnated and failed to keep pace with the growth in crude steel production in the country. This imbalance is causing a decline in India's mine-head inventory.

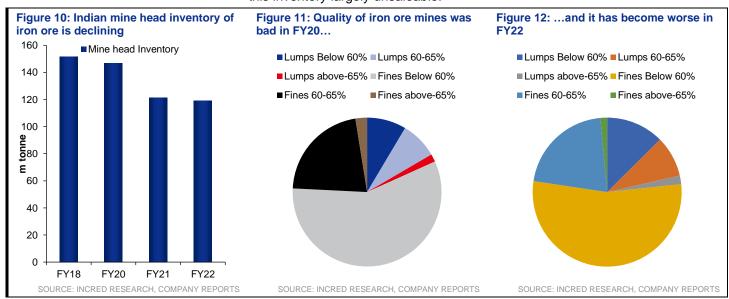






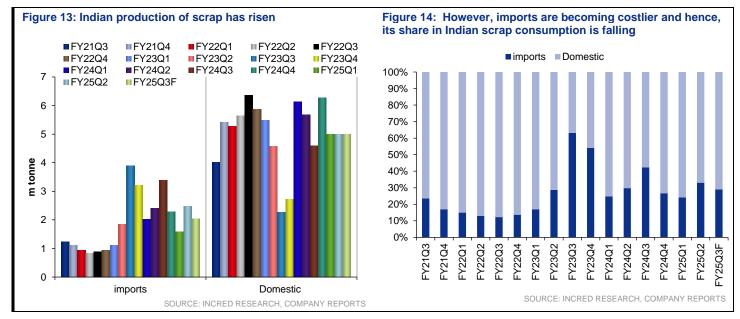
### As a result, India's mine-head inventory is declining rapidly, and the usability of this inventory is also deteriorating >

In our estimation, nearly 70% of the mine-head inventory is now unusable for Indian pellet-makers and blast furnaces. Additionally, China has been reducing imports of low-grade iron ore due to environmental concerns in Hebei, rendering this inventory largely unsaleable.





### To counter the unavailability, Indian domestic scrap production has risen fast ➤



However, domestic production of scrap seems to be peaking, as evidenced by declining prices in the ship-breaking industry >

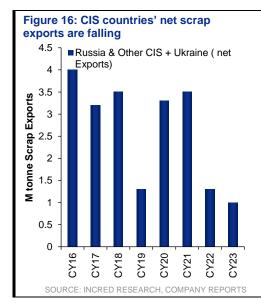


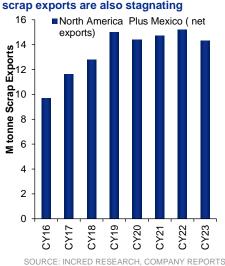
# International scrap trade is not rising as scrap-producing countries are using the same for internal consumption ➤

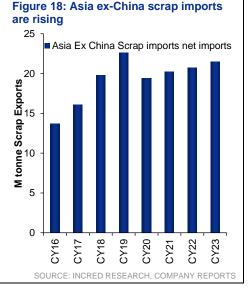
Notably, in the US, scrap exports are declining, while imports in Asia (excluding China) are rising. In this scenario, it seems unlikely that India will be able to import ferrous scrap at competitive prices.

Figure 17: North America + Mexico's









## Indian metallic balance looks precarious unless something dramatic hapapens on the iron ore production front ▶

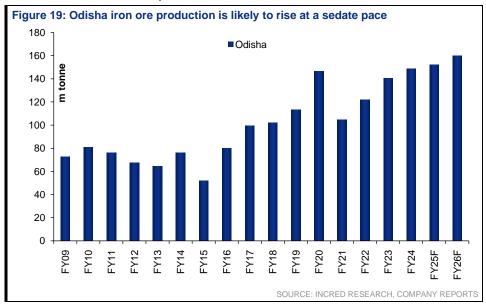
Notably, in the US, scrap exports are declining, while imports in Asia (excluding China) are rising. In this scenario, it seems unlikely that India will be able to import ferrous scrap at competitive prices. A lot will depend how Lloyds Steel will be able to ramp up production in their mines in Maharashtra and as well as the fact whether iron ore will be usable in existing furnaces. If that doesn't happen, then we can see India importing iron ore and then may be Indian merchant mines can start production of iron ore.

# Indian mettalic balances - a lot depends on Lloyds Steel's ramp-up plan

With production ramp-up in Odisha looking unlikely, the Indian steel industry's hopes rest on Lloyds Steel's iron ore mines in Maharashtra. It is important to note that Lloyds Steels is mining magnetite ore in Maharashtra, which has a low Fe content and requires advanced beneficiation techniques to make it suitable for industrial use.

### We don't expect any major iron ore production ramp-up in Odisha ➤

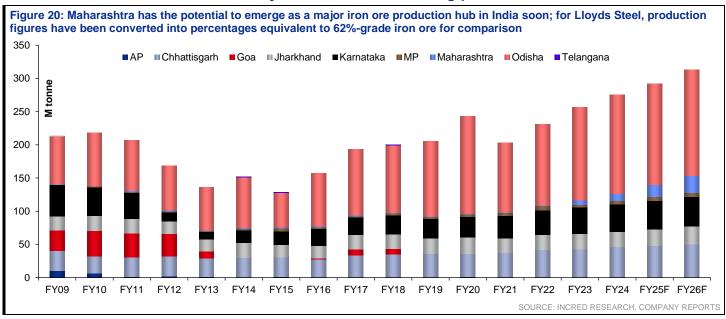
While numerous mines have been auctioned in Odisha, we do not anticipate any production ramp-up in the state due to the unviable nature of operations, as discussed earlier in this report.



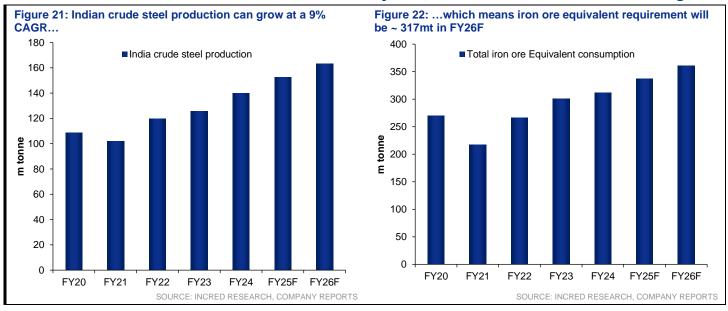




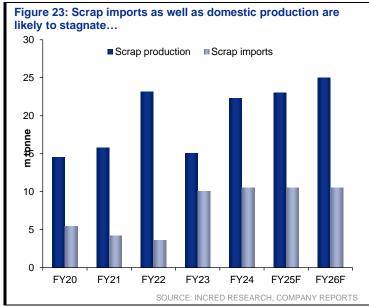
## India's hopes for a production ramp-up now rest solely on Lloyds metal and its mining plans in Maharashtra ➤



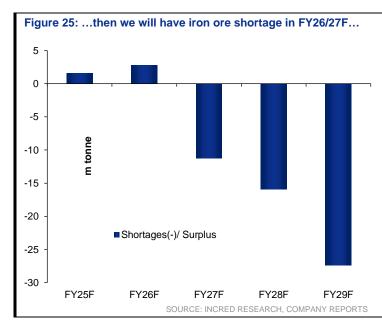
# We expect Indian crude steel production growth at a 9% CAGR over the next few years, which will cause iron ore shortage ➤

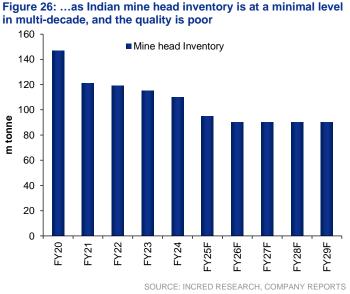












# May be the government will intervene in the next few months to curb exports of iron ore, which is the only way to curb the massive rise in iron ore prices ▶

In the past, the government of India has always intervened to protect the steel industry from skyrocketing iron ore prices and we can expect the same in coming months.

### If that doesn't happen, then Odisha fine can touch Rs 8,000/t▶

estimated to be around Rs11,000/t, in Rs8,000-8,500/t	•	
	Value	Unit
FOB Australia prices	100	US\$/t
Freight charges	8	US\$/t
Import duty	10.8	US\$/t
Handling charges	5	US\$/t
Landed cost	123.8	US\$/t
Inland freight charges	10	US\$/t
Overall landed cost at factory gate	133.8	US\$/t
Landed cost in INR	11,239	Rs/t
	SOURCE: INCRED RESEARCH (	COMPANY REPORTS



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Recommendation I	Framework
Stock Ratings	Definition:
Add	The stock's total return is expected to exceed 10% over the next 12 months.
Hold	The stock's total return is expected to be between 0% and positive 10% over the next 12 months.
Reduce	The stock's total return is expected to fall below 0% or more over the next 12 months.
	eturn of a stock is defined as the sum of the: (i) percentage difference between the target price and the current price and (ii) the forward net estock. Stock price targets have an investment horizon of 12 months.
Sector Ratings	Definition:
Overweight	An Overweight rating means stocks in the sector have, on a market cap-weighted basis, a positive absolute recommendation.
Neutral	A Neutral rating means stocks in the sector have, on a market cap-weighted basis, a neutral absolute recommendation.
Underweight	An Underweight rating means stocks in the sector have, on a market cap-weighted basis, a negative absolute recommendation.
Country Ratings	Definition:
Overweight	An Overweight rating means investors should be positioned with an above-market weight in this country relative to benchmark.
Neutral	A Neutral rating means investors should be positioned with a neutral weight in this country relative to benchmark.
Underweight	An Underweight rating means investors should be positioned with a below-market weight in this country relative to benchmark.