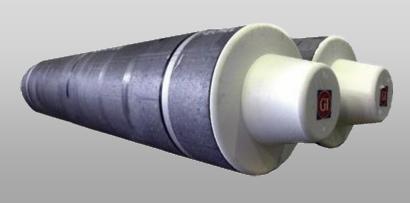


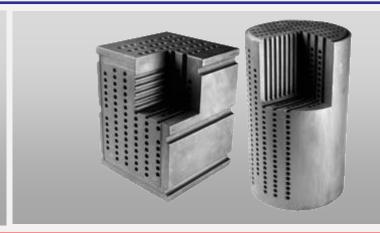
Graphite India Limited

NSE: GRAPHITE, BSE: 509488

Corporate Presentation August 2020







Important Notice



Forward Looking Statements

This presentation contains statements that contain "forward looking statements" including, but without limitation, statements relating to the implementation of strategic initiatives, and other statements relating to Graphite India's future business developments and economic performance.

While these forward looking statements indicate our assessment and future expectations concerning the development of our business, a number of risks, uncertainties and other unknown factors could cause actual developments and results to differ materially from our expectations.

These factors include, but are not limited to, general market, macro-economic, governmental and regulatory trends, movements in currency exchange and interest rates, competitive pressures, technological developments, changes in the financial conditions of third parties dealing with us, legislative developments, and other key factors that could affect our business and financial performance.

Graphite India undertakes no obligation to publicly revise any forward looking statements to reflect future / likely events or circumstances.

Discussion Agenda

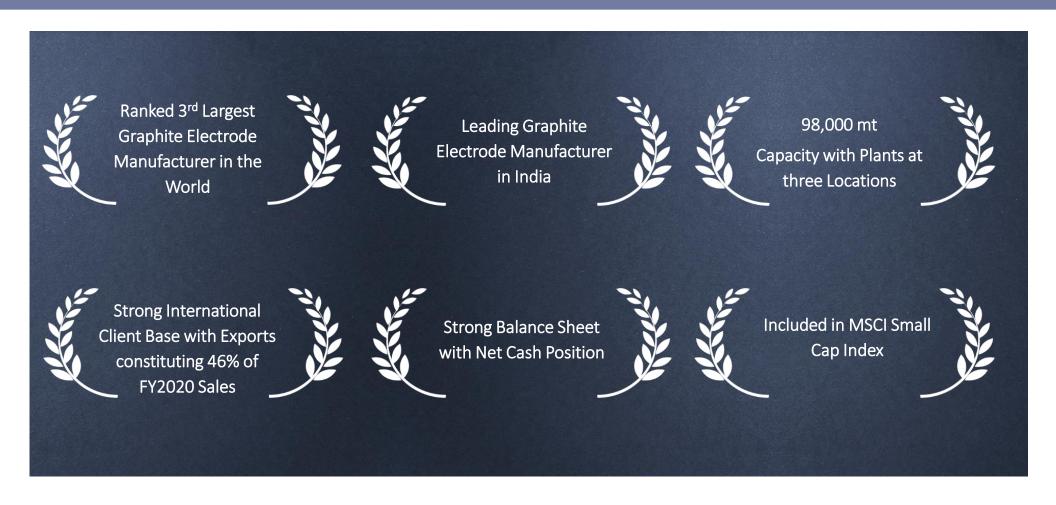


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Investment Highlights



Graphite India is globally well positioned through its product quality, scale of operations and manufacturing platform base



Investment Highlights



Global Market Position

- Largest Indian producer of graphite electrodes by total capacity
- One of the leading players in a highly consolidated industry
- Accounts for approximately 13%¹
 of capacity among leading global
 electrode manufacturers
- Diversified client base with a global footprint

Best-in-Class Operations

- High quality; around 46% of electrode production exported in competition with global players
- Focus on operational efficiency, productivity and technological know-how results in operating margins in line with market leaders
- Long-standing relationship with key raw material suppliers including needle coke
- Access to low cost sources of power

Attractive Industry Dynamics

- Consolidated industry with significant entry barriers due to technology intensive nature of operations
- China shutting down selected steel and electrode capacities along with lower exports from China post Covid-19, may lead to increased production in EAF producing countries
- Share of EAF's route in global steel production increased from 25% in 2015 to 28% in 2019
- Strong support for EAF route over traditional blast furnace method due to:
- Relatively lower production costs & capex requirement
- Operational flexibility
- Generates less carbon emissions

Strong Financial Performance

- Consistent cash flows to support organic and inorganic market opportunities
- Track record of positive cash flow generation despite the difficult market conditions in recent years
- Strong balance sheet with net cash position
- Disciplined approach to operational cost controls and prudent capital management
- Consistent dividend policy

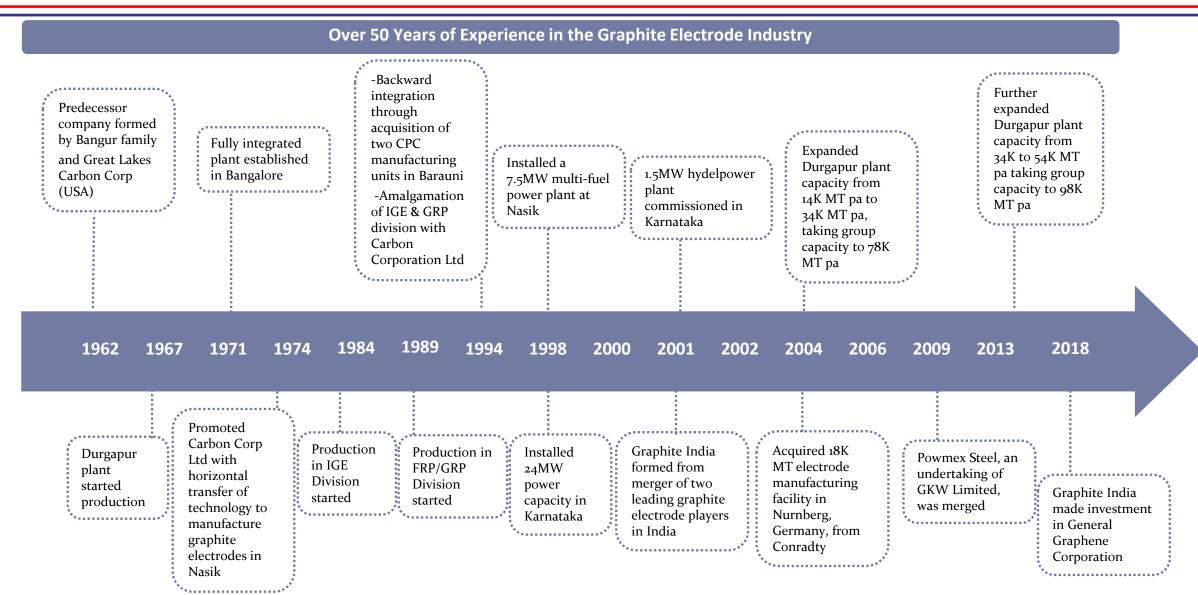
Graphite India is globally well positioned through its product quality, scale of operations and manufacturing platform base

Notes:

Global capacity excludes Chinese producers

Milestones







Graphite India

Graphite and Carbon* 98%

- Core expertise in value-added Ultra-High Power (UHP) electrodes
- 98K tonnes/year (TPA) capacity, with flexibility to produce all grades of electrode
- Backward integrated; manufactures Calcined Petroleum Coke for use in electrode manufacturing
- Enhanced product range large diameter UHP electrodes and specialty graphite products
- Impervious graphite equipment find applications in corrosive chemical industries such as pharma, agro-chemical, chloro-alkali & fertilizer industries

Others*

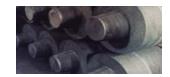
- Power generation capacity of 18MW through hydel route. It is used primarily for outside power supply
- Largest producer of High-Speed Steel (HSS) in the country
- HSS is used in the manufacture of cutting tools such as drills, taps, milling cutters, reamers, hobs, broaches and special form tools
- HSS cutting tools are essentially utilized in automotive, machine tools, aviation and DIY markets
- GRP Pipes for water supply, sewage / industrial effluent collection and disposal, cooling towers, industrial process pipelines, seawater pipelines, industrial ducting and gasoline storage

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Products

Highlights

- Graphite Electrodes
- Specialty Carbon and Graphite
- Calcined Petroleum Coke
- Carbon Paste



Graphite Electrodes

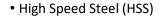
• Impervious Graphite Equipment: Heat Exchangers



Graphite Electrodes



GRP Pipe



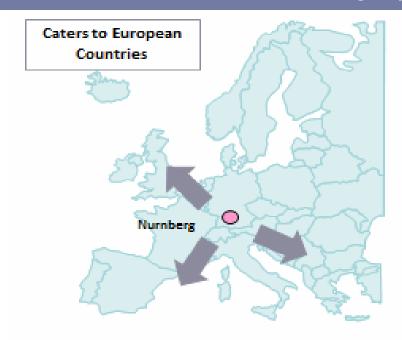
Alloy Steel



Steel Melting

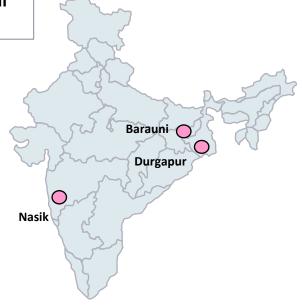


Strategically Located Manufacturing Facilities



Graphite India is the largest Indian producer of graphite electrodes and one of the largest globally, by total capacity. Its manufacturing capacity of 98,000 tonnes per annum is spread over three plants at Durgapur and Nashik in India and Nurnberg in Germany

Cater to global markets



- The Indian plants are located close to the three main ports of India, offering logistic advantages to clients overseas
- Closer to customers in Indian markets
- The German plant caters to the needs of European customers and is located close to the EU market



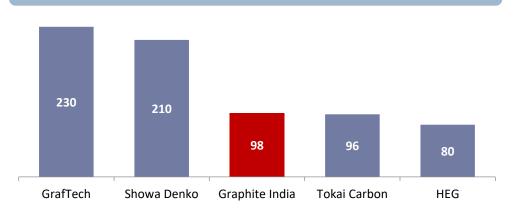
Diversified Premier Global Customer Base

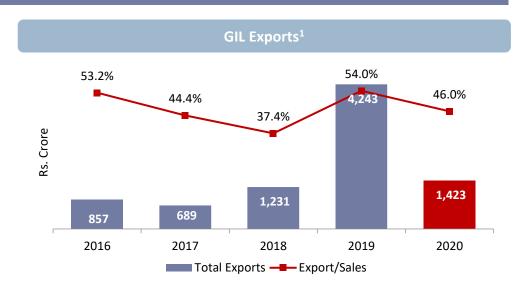




Global Player with Strong Profitability







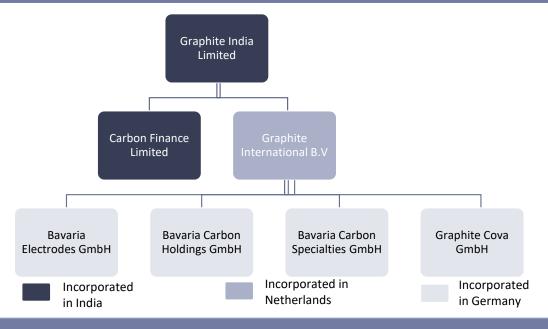
- Graphite India is one of the largest graphite electrode manufacturers globally and the largest in India
- ❖ Average capacity utilization was 55% in FY2020 as compared to 86% in FY2019
- Operating margins remain one of the highest amongst the leading electrode manufacturers

Note:

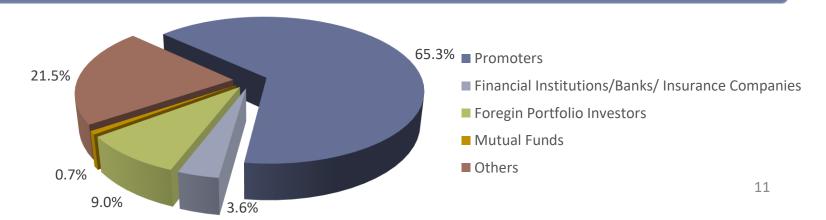
- 1. Fiscal years; Consolidated Gross Sales
- 2. Source –Company websites and reports



Group Organizational Structure



Shareholding Pattern (Mar - 2020)





Senior Management Team

Key Executives	Background
K.K. Bangur Chairman	 Over 31 years of experience in managing the affairs of companies and its business activities Has been a Director of Graphite India since July 1988 and Chairman since July 1993 Chairman of the Shareholders/Investors Grievance Committee and Committee for Borrowings Past President of Indian Chamber of Commerce, Kolkata, Executive Committee member of FICCI, New Delhi and the past President of All India Employers Organization, New Delhi
Ashutosh Dixit Executive Director	 Mechanical Engineer with an MBA and PG Certificate in Metallurgy and has over 25 years of experience in the industry Joined the Company in November 2017 and is responsible for the management of Company affairs and is actively involved in strategic / investment decisions
B.Shiva Senior VP, Legal & Company Secretary	• Mr. B Shiva, SVP (Legal) & Co Secretary, is a Law graduate and Fellow member of The Institute of Company Secretaries of India. He has been with the Company for more than 25 years
A. K. Dutta Senior VP, Marketing	 Mr. A. K. Dutta is an Electrical Engineer with post graduation in management from IIM Calcutta and has more than 34 years of experience in marketing. He joined GIL in 2006
S.W. Parnerkar Senior VP, Finance	 Mr. S.W Parnerkar, M.Com, L.L.B , FCMA , FCS, is the head of Finance of the Company Associated with the company for more than 24 years, he is responsible for all accounts and financial aspects of the Company

Consolidated Financial Performance



	C	4	у-о-у	Q3	q-o-q	Year E	Ended	у-о-у	
(Rs. Crore)	FY2020	FY2019	Growth (%)	FY2020	Growth (%)	FY2020	FY2019	Growth (%)	Comments
Net Sales (Excluding Other Income)	602	1,693	(64%)	643	(6%)	3,094	7,858	(61%)	
Other Income	23	70	(67%)	43	(47%)	174	210	(17%)	Lower volumes and
Total Income	625	1,763	(65%)	686	(9%)	3,268	8,068	(59%)	realization has impacted the sales and margins on a year
Operating Profit (EBITDA) ¹ Margin (%) ²	(3) <i>(0)%</i>	934 55%	(100%)	(445) (69)%	(99%)	95 <i>3%</i>	5,233 <i>67%</i>	(98%)	on year basis. Volumes improved in Q4
Interest Depreciation	4 13	4 23	- (43%)	4 12	- 8%	18 51	12 62	50% (18%)	FY20 as compared to Q3 FY20, however sales were impacted due to lower
Profit Before Tax (before Exceptional items and Associates)	(20)	907	(102%)	(461)	(96%)	26	5,159	(99%)	realizations
Share of Profit/(loss) of an Associate Exceptional Items Profit Before Tax	(3) - (23)	(2) (55) 850	50% (100%) (103%)	(2) - (463)	50% - (95%)	(7) - 19	(3) (55) 5,101	133% - (100%)	In addition, EBITDA was impacted due to fair value adjustment of inventory amounting Rs. 584 Cr in FY2020
Net Profit Margin (%)	(7) (1)%	562 33%	(101%)	(353) <i>(55)%</i>	(98%)	45 1%	3,396 <i>43%</i>	(99%)	
Earnings Per Share (Rs)	(0.37)	28.74	(101%)	(18.08)	(98%)	2.30	173.80	(99%)	

Notes:

^{1.} Operating Profit includes Other Income

^{2.} All margins calculated as a percentage of Net Sales (excluding Other Income)

^{3. *} Amounts are below the rounding off norm adopted by the company

Standalone Financial Performance



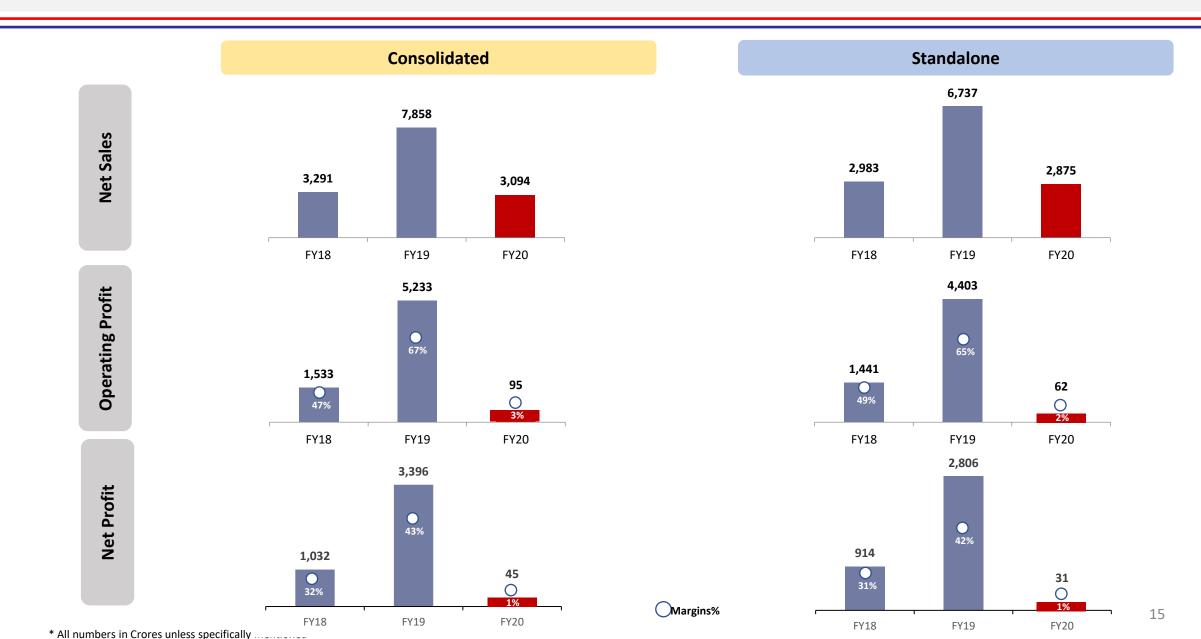
	C	(4	у-о-у	Q3	q-o-q	Year E	Ended	у-о-у	
(Rs. Crore)	FY2020	FY2019	Growth (%)	FY2020	Growth (%)	FY2020	FY2019	Growth (%)	Comments
Net Sales (Excluding Other Income)	548	1,390	(61%)	597	(8%)	2,875	6,737	(57%)	I avvanualium aa amad
Other Income	18	63	(71%)	42	(57%)	157	197	(20%)	Lower volumes and realization has impacted the
Total Income	566	1,453	(61%)	639	(11%)	3,032	6,934	(56%)	sales and margins as
Operating Profit (EBITDA) ¹	39	734	(95%)	(451)	(109%)	62	4,403	(99%)	compared to same period last year
Margin (%) ²	7%	53%		(76)%		2%	65%		
Interest Depreciation	4 11	4 22	- (50%)	4 11	-	17 44	11 56	55% (21%)	Volumes improved in Q4 FY20 as compared to Q3 FY20, however sales were impacted due to lower
Profit Before Tax (before Exceptional items and Associates)	24	708	(97%)	(466)	(105%)	1	4,336	(100%)	realizations
Exceptional Items Profit Before Tax	- 24	(55) 653	- (96%)	- (466)	- (105%)	- 1	(55) 4,281	- (100%)	In addition, EBITDA was impacted due to fair value adjustment of inventory
Net Profit	25 5%	427 31%	(94%)	(356) <i>(60)%</i>	(107%)	31 1%	2,806 <i>42%</i>	(99%)	amounting Rs. 516 Cr in FY2020
Margin (%) Earnings Per Share (Rs)	1.28	21.85	(94%)	(18.22)	(107%)	1.60	143.61	(99%)	

Notes:

- 1. Operating Profit includes Other Income
- 2. All margins calculated as a percentage of Net Sales (excluding Other Income)
- 3. * Amounts are below the rounding off norm adopted by the company

Annual Performance Trends





Leverage Profile



Significant financial flexibility available for future organic / inorganic growth

Consolidated Leverage Profile

(Rs. Crore)	Mar-20	Dec-19	Sep-19	June-19	Mar -19
Cash & Cash Equivalents ¹	2,424	2,523	2,327	3,123	2,937
Total Debt	(416)	(519)	(394)	(389)	(359)
Net Cash	2,008	2,004	1,934	2,734	2,577

Standalone Leverage Profile

(Rs. Crore)	Mar- 20	Dec- 19	Sep- 19	June- 19	Mar -19
Cash & Cash Equivalents ¹	1,935	2,031	1,821	2,640	2,516
Total Debt	(416)	(519)	(394)	(389)	(359)
Net Cash	1,519	1,512	1,427	2,251	2,156

Annual Segment Performance



Consolidated Segment Performance

	Full	у-о-у	
(Rs. Crore)	FY2020	FY2019	Growth (%)
Graphite and Carbon	2,995	7,690	(61)%
Others	99	170	(42)%
Less: Inter Segment Sales	0	(2)	(100)%
Segment Revenue	3,094	7,858	(61)%
Graphite and Carbon	(54)	5,071	(101)%
Others	3	9	(67)%
Profit before tax and interest	(51)	5,080	(101)%
Finance Cost	(18)	(12)	50%
Unallocated Income / (expense)	95	91	4%
Profit Before Tax (Before Exceptional Items and Associates)	26	5,159	(99)%
Share of Profit/Loss of an Associate	(7)	(3)	133%
Exceptional Items	0	(55)	-
Profit Before Tax	19	5,101	(100)%

Standalone Segment Performance

	Full	у-о-у	
(Rs. Crore)	FY2020	FY2019	Growth (%)
Graphite and Carbon	2,780	6,575	(58)%
Others	95	164	(42)%
Less: Inter Segment Sales	0	(2)	(100)%
Segment Revenue	2,875	6,737	(57)%
Graphite and Carbon	(77)	4,251	(102)%
Others	0	4	(100)%
Profit before tax and interest	(77)	4,255	(102)%
Finance Cost	(17)	(11)	55%
Unallocated Income /(expense)	95	92	3%
Profit Before Tax (Before Exceptional Items)	1	4,336	(100)%
Exceptional Items	0	(55)	-
Profit Before Tax	1	4,281	(100)%

^{*} Amounts are below the rounding off norm adopted by the company

Quarterly Segment Performance



Consolidated Segment Performance

	Q4		у-о-у	Q3	q-o-q
(Rs. Crore)	FY2020	FY2019	Growth (%)	FY2020	Growth (%)
Graphite and Carbon	577	1,663	(65)%	625	(8)%
Others	25	32	(22)%	18	39%
Less: Inter Segment Sales	-	(2)	(100)%	-	-
Segment Revenue	602	1,693	(64)%	643	(6)%
Graphite and Carbon	(30)	905	(103)%	(490)	(94)%
Others	9	(1)	-	(4)	-
Profit before tax and interest	(21)	904	(102)%	(494)	(96)%
Finance Cost	(4)	(4)	0%	(4)	0%
Unallocated Income / (expense)	5	7	(29)%	37	(86)%
Profit Before Tax (Before Exceptional Items and Associates)	(20)	907	(102)%	(461)	(96)%
Share of Profit/Loss of an Associate	(3)	(2)	50%	(2)	50%
Exceptional Items	-	(55)	(100)%	-	-
Profit Before Tax	(23)	850	(103)%	(463)	(95)%

Standalone Segment Performance

	Q4		у-о-у	Q3	q-o-q
(Rs. Crore)	FY2020	FY2019	Growth (%)	FY2020	Growth (%)
Graphite and Carbon	527	1,359	(61)%	579	(9)%
Others	21	33	(36)%	18	17%
Less: Inter Segment Sales	-	(2)	(100)%	-	-
Segment Revenue	548	1,390	(61)%	597	(8)%
Graphite and Carbon	22	704	(97)%	(495)	(104)%
Others	1	0	-	(4)	(125)%
Profit before tax and interest	23	704	(97)%	(499)	(105)%
Finance Cost	(4)	(4)	0%	(4)	0%
Unallocated Income /(expense)	5	8	(38)%	37	(86)%
Profit Before Tax (Before Exceptional Items)	24	708	(97)%	(466)	(105)%
Exceptional Items	-	(55)	(100)%	-	-
Profit Before Tax	24	653	(96)%	(466)	(105)%

^{*} Amounts are below the rounding off norm adopted by the company

COVID-19 Impact and Business Response



Covid-19 Industry Impact

- Covid-19 caused an unprecedented health and economic crisis around the globe
- Complete or partial lockdown of countries disrupted global economic activities
- Overall economy slowdown and lower manufacturing activity leading to production cuts and declining capital investments around the globe
- The global and domestic demand for graphite electrode is impacted due to partial closure of steel capacities, lower steel production and destocking of electrode inventory at customer end at a slower pace than anticipated

Business Response

- Closure of factories and offices from 24th March 2020 till mid April
- Allowed work from home to all employees and promoted audio-video conferencing for all internal and external meetings
- The Company started partial operations from mid-April onwards and restarted its factories in the phase manner. The company is engaging the permitted labour/manpower and took adequate safety measures to protect its workforce
- Corporate offices were also opened at the end of May 2020 with permitted employee strength
- The Company has been strictly following government health guidelines and taken various initiatives such as operating at a lower capacity, temperature screening at regular intervals, social distancing, distributing sanitizers and masks

COVID-19 Business Impact and Position



Covid-19 Business Impact

- The immediate impact on the business due to closure of factories and offices coupled with transportation challenges resulted in the muted sales in last week of March 2020
- The company started partial operations from mid-April onwards, however due to prolonged lockdown and
 restrictions on inter-state movement resulted in lower than budgeted Sales in the month of April and May, which in
 turn may adversely impact profitability
- The demand for graphite electrode is expected to remain subdued in the near term due to partial closure of steel capacities, lower steel production and destocking of electrode inventory at customer end at a lower-pace than anticipated
- Lower exports of steel from China to the rest of the world, especially to the regions having higher EAF capacities, will lead to an increase in domestic steel production and may result in higher demand for electrodes
- In the medium term, it is expected that increased government spending on Indian infrastructure development and revival of key sectors such as construction, mining, capital goods and automobile will lead to increased demand for steel in India
- Potential change in international market dynamics may be beneficial for the company in due course

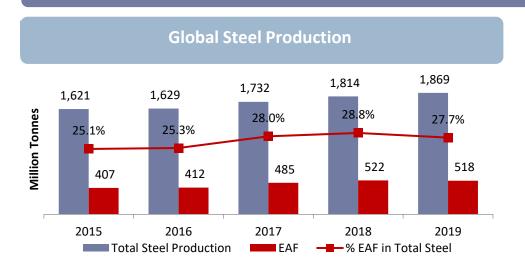
Position

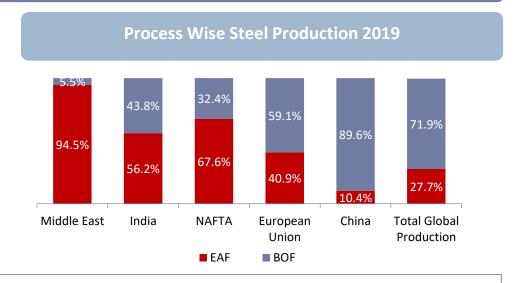
- The Company has a strong balance sheet with net cash position of Rs. 2,008 Crores at the end of March 2020
- Closely monitoring the impact of Covid-19 on the business and therefore operating at a lower capacity and will scale up its operation after carefully assessing the course of pandemic in the near term

Industry Dynamics



Global Steel and Graphite Electrode Industry





- EAF route of manufacturing enjoys several advantages over traditional BOF route:
 - Lower capital investment
 - Lower break-even tonnage
 - Flexibility in locating plants closer to consumption
 - Less polluting than integrated steel plants
- India increasing its market share of graphite electrode production steadily over the past few years due to relatively low cost of operations
- China shutting down selected steel capacities to curb pollution resulting in decreased exports from China and increased production in EAF producing countries
- Lower exports of steel from China to the rest of the world, especially to the regions having higher EAF capacities, will lead to an increase in domestic steel production and may result in higher demand for electrodes 21

Source: World Steel Association

Steel Industry Outlook and Dynamics



- World crude steel production was 443 Mt in Q1 CY2020, a decline of 1.4% as compared to Q1 CY2019
- The EU produced 38.3 Mt of crude steel in Q1 CY2020, a decline of 10% compared to Q1 CY2019. EU steel demand continues to
 be impacted due to decline in manufacturing activities where auto sector continues to remain worst hit
- Asia produced 315 Mt of crude steel in Q1 CY2020, a marginal decline of 0.3% compared to Q1 CY2019. China crude steel
 production for Q1 CY2020 was 234 Mt, representing a growth of 1.2% compared to Q1 CY2019
- India's crude steel production for Q1 CY2020 was 27.5 Mt, a decline of 5.3% from Q1 CY2019. India continues to remain the world's second largest steel producing country whereas Japan produced 24.3 Mt in Q1 CY2020, down 2.4% compared to Q1 CY2019
- Crude steel production in North America was 29.5 Mt in Q1 CY2020, down 4.0% compared to Q1 CY2019
- The Middle East produced 10.2 Mt of crude steel in Q1 CY2020, an increase of 7.7% compared to Q1 CY2019

Steel Industry Outlook

- Global steel industry is impacted due to complete or partial lockdown of countries, closure of manufacturing facilities and lower demand from key sectors such as Automobile, Construction and Infrastructure. However, with easing of lockdown restrictions, the economic activity has started to rebound but is expected to be slow and its trajectory will depend on the severity and tenure of the Covid-19 in the near term
- As per WSA, global steel demand is expected to decline by 6.4% to 1,654 Mt in 2020 due to the ongoing Covid-19 pandemic. In 2021, the global steel demand is expected to increase by 3.8% to 1,717 Mt. Chinese steel demand is expected to grow by 1.0% in 2020 whereas steel demand in developing economies excluding China is expected to decline by 11.6% in 2020 and recover by 9.2% in 2021

Graphite Electrode Industry



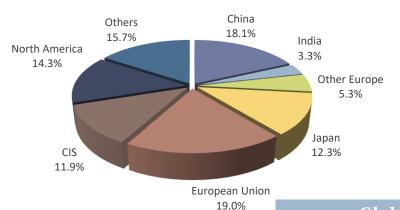
- Since 2016 China has closed about 300 million tonnes of outdated and highly polluting steel production capacity but around 908 million tonnes still remain. Such closures are being replaced by environment friendly electric arc furnaces (EAF's) which is supported by increased availability of scrap
- China's EAF steel output is expected to increase to 87 million tonnes in 2020, 12% of its steel output from 53 million tonne which
 is 6% of the steel output in 2017. Further, China is expected to have graphite electrode capacity totaling 1.5 million tonnes by
 2020, up 66.7% from 0.9 million tonnes in 2017 to support newly installed EAF capacities
- Electrode capacities have been ramped up in China. However, EAF capacities have not kept pace due to higher scrap cost and electricity cost thus creating an imbalance. Excess electrode volumes are being exported to other countries at cheaper rates
- Global slowdown in steel demand coupled with increased steel exports from China is expected to impact demand of electrodes
- India removed antidumping duties on graphite electrodes imported from China in September 2018 which has resulted in increased imports. Steel prices also continue to remain under pressure and combination of these factors have resulted in significant correction of electrode prices
- Due to COVID-19 crisis, destocking of electrode inventory at customer end is delayed and is at a slower-pace than anticipated
- Needle coke prices have softened however not yet fully realigned with the electrode prices

Industry Dynamics

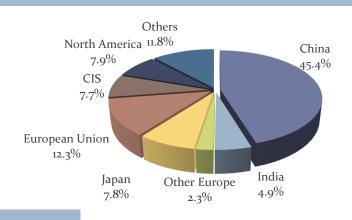


Over the years, China remains the biggest crude steel producer with a 53.3% share in 2019 vs 45.4% in 2010 & 18.1% in 2001

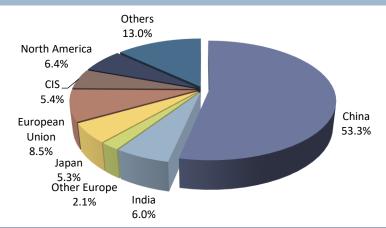
Global Steel Production 2001



Global Steel Production 2010



Global Steel Production 2019



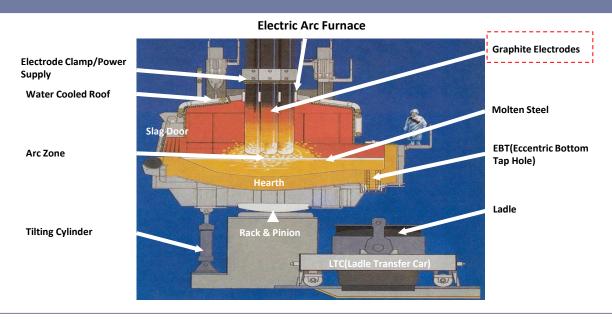
Overcapacities in China earlier led to subsidized exports however the trend has changed in 2017 with China shutting down selected steel capacities to curb pollution resulting in decreased exports and increased production in EAF producing countries

Source: World Steel Association

Industry Dynamics



EAF Steel Production Process



- ❖ An electric arc furnace (EAF) is a furnace that heats charged material by means of an electric arc
- Arc furnaces range in size from small units of approximately one tonne capacity (used in foundries for producing cast iron products) up to about 400 tonne units used for secondary steelmaking
- Electric arc furnace temperatures can be up to 1,800 degrees Celsius and the electrode tip & arc temperatures can go as high as 3,000-4,000 degrees Celsius
- Graphite Electrodes are consumed in an electric arc furnace
 - An electrode typically lasts for 22-30 heats /batches or 10 hours
 - A single graphite electrode can weigh over 2 tonnes
 - Electrode demand is driven by the production of steel through the EAF method



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