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2<sup>nd</sup> November 2021

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Security Code: 504614

National Stock Exchange of India Ltd. Exchange Plaza, Bandra Kurla Complex Bandra (E), Mumbai – 400051 Fax No: 022-26598120

Security Code: SARDAEN

Dear Sir,

Sub: Investor Presentation on the results for the Q2/FY22

With reference to the captioned subject, pursuant to Regulation 30 (6) read with Part A of Schedule III of SEBI (Listing Obligations and Disclosure Requirements) Regulation 2015, we are enclosing herewith the Investor Presentation on the Q2/FY22 results of our Company.

The said Investor Presentation is also being placed on the website of the company - www.seml.co.in. The said presentation will also be shared with various Analysts / Investors.

You are requested to take the information on records and disseminate the same for the information of the investors. Please acknowledge receipt.

Thanking you

Yours faithfully, For Sarda Energy & Minerals Ltd.

Encl: As above



# SARDA ENERGY AND MINERALS LIMITED

Mining | Steel | Ferro Alloys | Hydro Power



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Q2 & H1FY22 | Key Highlights

### Robust Operational and Financial Performance



#### **Financial Performance:**

- **Highest Ever** Quarterly and Half Yearly Revenue and Profits
- Consolidated Revenue up 84% YoY to INR 1,056 Cr in Q2FY22 and 97% YoY to INR 1,886 Cr in H1FY22
- Consolidated EBITDA margin at **Highest Ever: 41.9%** (27.5%) in Q2FY22 and **37.7%** (26.1%) in H1FY22
- Consolidated PAT up 209% YoY to INR 263 Cr in Q2FY22 and 253% YoY to INR 431 Cr in H1FY22



#### **Operational Performance:**

- Highest Ever Half Yearly production of Iron Ore Pellet at 382,558 MT
- Highest Ever Quarterly and Half Yearly generation & sales of Hydro Power at 271 Mn KwH and 289 Mn KwH, respectively



# Metals: Benefits From The Strategic Edge Provided by Vertical Integration



#### **Financial Performance:**

- Continued focus on strengthening presence across the value chain has aided in **Sustainable Growth** 
  - Dual benefit of higher realisations and profit margins, led by captive source for key raw materials like Iron Ore, Coal, Power
- **Enhanced cashflow** generation to reduce Borrowings and support Expansion Plans
  - Cash Flow from Operations increased from INR 92 Cr in H1FY21 to INR 248 Cr in H1FY22
- Credit Rating and Outlook:
  - SEML Rating re-affirmed at CRISIL A+ and outlook revised from Stable to Positive
  - SMAL (100% subsidiary Ferro Alloys) Rating upgraded, and outlook revised from CRISIL BBB/Stable to CRISIL BBB+/Positive



#### **Key Updates on Expansion Plans:**

- Gare Palma IV/ 7 Coal Mine, having extractable reserves of 142 MMT and production capacity of 1.2 MMT p.a., has received Mining Lease, and is likely to commence operations in Q3FY22
- **Ferro Alloys'** planned capacity expansion by **36 MVA (50,000 MTPA)** at Vizag facility is on track, and is estimated to commence operations by FY23



### Hydro Power: Sizeable Operational Portfolio of ~143 MW; Annuity-like Business Model

#### • Operationalized the 113 MW Sikkim Hydro Power (SHP) project in Q2FY22

- Commissioned on June 30, 2021, and the effect of its operationalization is included in Q2FY22 consolidated results
- Chhattisgarh SERC has approved provisional tariff considering **85% of the project cost** as on March 31, 2021, with a **Return on Equity of 15.5% p.a.**; The final tariff will be determined in due course, based on the cost incurred up to the date of COD

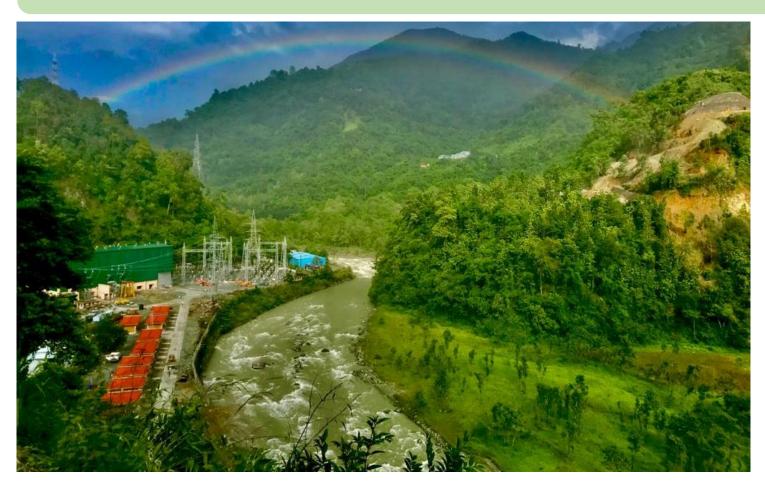
#### Project Under Execution:

• 24.9 MW Hydro Power plant on the Rehar river in Chhattisgarh, for which, Financial Closure has been recently achieved and construction work started; The Project is expected to achieve CoD in FY25



### Total Green Power capacity has now Surpassed that of Thermal Power

With ~163 MW (143 MW of Hydro + 20 MW of Waste Heat) of power generating capacity from Non-Carbon Energy sources, SEML is now a Green Powerhouse

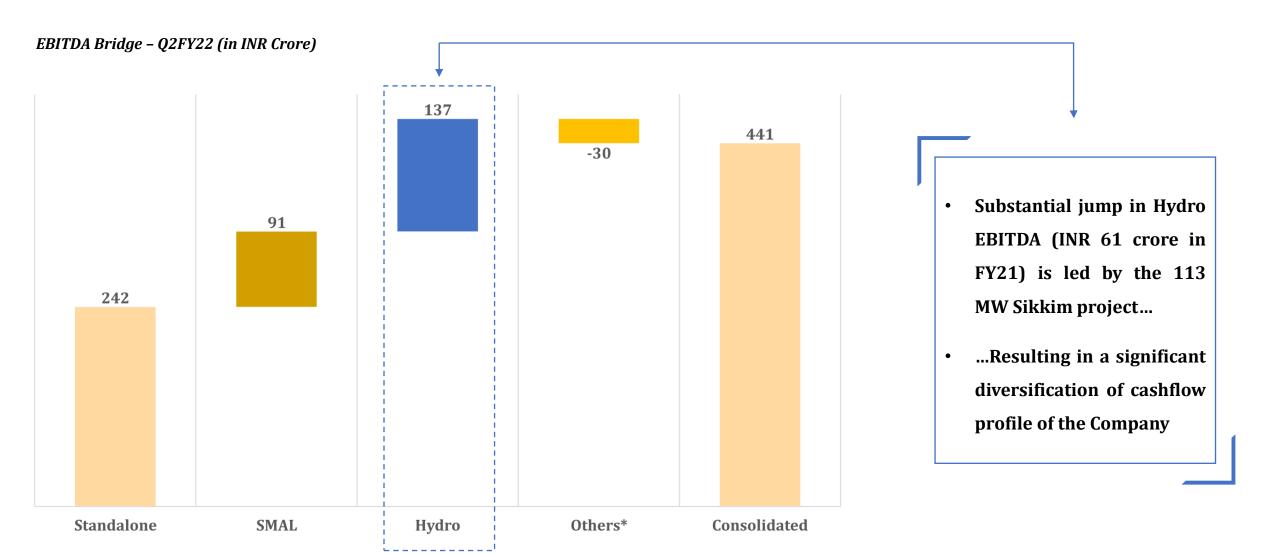


- Large hydropower projects with a
   capacity of more than 25 MW and
   commercialized after March 08,
   2019, are eligible to be classified
   as a Renewable Energy source
- With 113 MW capacity, our Sikkim
   Hydro Power project which was
   commercialised on June 30, 2021, is
   eligible for the Hydropower
   Purchase Obligation (HPO)



Note: Actual site pictures

# Sikkim Hydro Project - Significant Fillip to Q2FY22 Consolidated EBITDA...

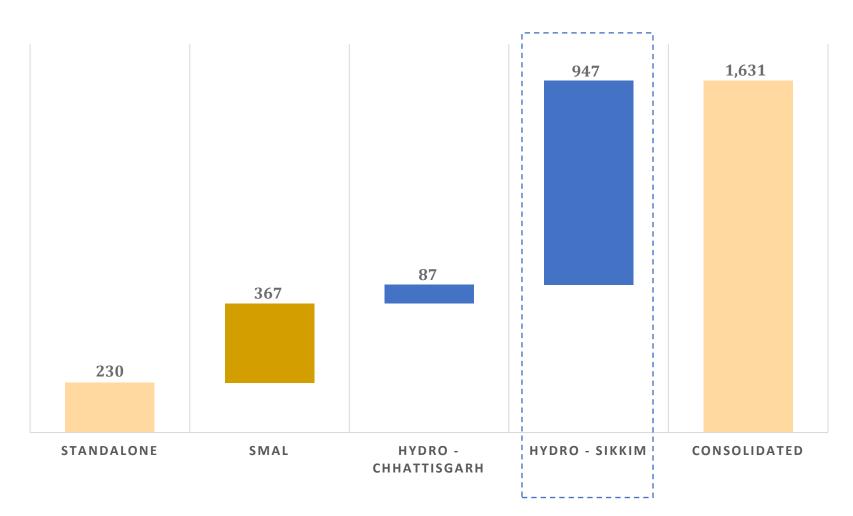


<sup>\*</sup> INR 25.16 crore is on account of elimination of inter-company book entries and balance loss amount is MTM item (non-cash)



### ...And To Commence Repayment of Sikkim Hydro Debt from its Cash Flows

Debt Bridge - As on Sep 30, 2021 (in INR Crore)



 Majority of the Total Debt is on account of the Sikkim Hydro project, repayment of which would start now as per the repayment schedule.



# Consolidated P&L – Highest Ever Quarterly and Half Yearly Revenue & Profit

INR in Cr	Q2FY22	Q2FY21	YoY	Q1FY22	QoQ	H1FY22	H1FY21	YoY
Revenues	1,025	548		832		1,857	896	
Other Income	31	26		-2		29	64	
Total Income	1,056	574	84%	830	27%	1,886	960	97%
Raw Material	487	342		468		955	558	
Employee Expenses	26	21		24		50	43	
Other Operating Expenses	101	53		68		169	108	
EBITDA	442	158	179%	270	64%	712	251	184%
EBITDA Margin (%)	41.9%	27.5%		32.5%		37.7%	26.1%	
Depreciation	39	19		19		58	37	
Interest	43	20		15		58	40	
Exceptional Items	0	-3		0		0	-9	
Profit Before Tax	360	116	210%	235	53%	596	164	263%
Tax	96	30		66		161	39	
Share of P/L of Associates and JV	-1	-1		-2		-3	-4	
PAT	263	85	209%	168	57%	431	122	253%
PAT Margin (%)	24.9%	14.8%		20.2%		22.9%	12.6%	
EPS	70.90	23.41		46.62		117.52	33.25	

Note: 1) Total Income includes effect of Mark-to-Market gain/loss on Investment; 2) Q2FY22 includes effect of the 113 MW Sikkim Power plant which commenced commercial operation on June 30, 2021



# Standalone P&L - Highest Ever Quarterly and Half Yearly Revenue & Profit

INR in Cr	Q2FY22	Q2FY21	YoY	Q1FY22	QoQ	H1FY22	H1FY21	YoY
Revenues	592	373		619		1,210	604	
Other Income	51	33		-3		48	52	
Total Income	643	406	58%	616	4%	1,259	656	92%
Raw Material	331	226		351		682	374	
Employee Expenses	18	16		18		36	33	
Other Operating Expenses	52	53		45		97	84	
EBITDA	242	110	120%	202	20%	444	166	168%
EBITDA Margin (%)	37.7%	27.0%		32.8%		35.3%	25.3%	
Depreciation	13	12		12		25	24	
Interest	5	9		7		12	18	
Exceptional Items	0	-3		0		0	-9	
Profit Before Tax	224	85	163%	182	23%	407	115	254%
Tax	47	17		48		96	24	
PAT	177	68	161%	134	32%	311	91	242%
PAT Margin (%)	27.6%	16.8%		21.7%		24.7%	13.8%	
EPS	49.11	18.85		37.16		86.27	25.20	

Note: 1) Total Income includes effect of Mark-to-Market gain/loss on Investment



# Balance Sheet – Comfortable Liquidity Position; Consolidated Net D/E Below 0.5x

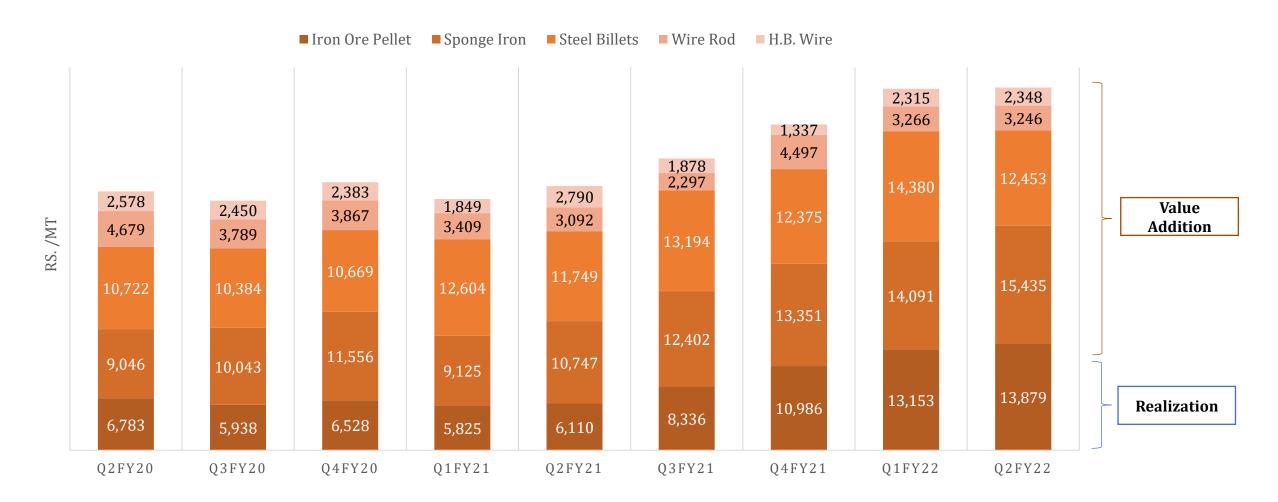
T. Liir. (MD C)	Conso	lidated	Stand	alone
Liabilities (INR Cr)	Mar-21	Sep-21	Mar-21	Sep-21
Shareholder's Funds	2,221	2,616	2,011	2,295
Share capital	36	36	36	36
Other equity	2,185	2,580	1,975	2,259
<b>Minority Interest</b>	101	109	-	-
Non-Current Liabilities	1,595	1,559	271	244
Long-term borrowings	1,493	1,419	218	191
Other financial liabilities	8	8	3	3
Long-term provisions	9	11	2	2
Deferred tax liability	85	121	47	47
<b>Current Liabilities</b>	605	685	308	316
Short-term borrowings	108	98	11	0
Trade payables	205	210	165	147
Other financial liabilities	251	289	101	98
Short-term provisions	6	11	5	10
Other current liabilities	28	36	23	31
Current tax liability (net)	6	42	4	30
<b>Total Equities &amp; Liabilities</b>	4,521	4,969	2,590	2,855

A (IND.C.)	Conso	lidated	Stand	Standalone		
Assets (INR Cr)	Mar-21	Sep-21	Mar-21	Sep-21		
Non-Current Assets	3,021	3,073	1,448	1,538		
Property, plant & equipment	1,172	2,708	481	461		
Capital W.I.P	1,619	112	66	95		
Investment property	53	47	45	39		
Intangible assets (incl. WIP)	62	69	3	3		
Investment in associates/JV	28	20	-	-		
Financial assets	25	35	822	885		
Other non-current assets	62	82	32	57		
Current Assets	1,500	1,896	1,142	1,317		
Inventories	579	636	439	460		
Trade receivables	138	329	78	69		
Investments	215	261	92	118		
Cash & cash equivalents	98	99	3	14		
Loans & advances	308	345	393	481		
Current tax assets (net)	1	1	-	-		
Other current assets	162	226	136	175		
Total Assets	4,521	4,969	2,590	2,855		



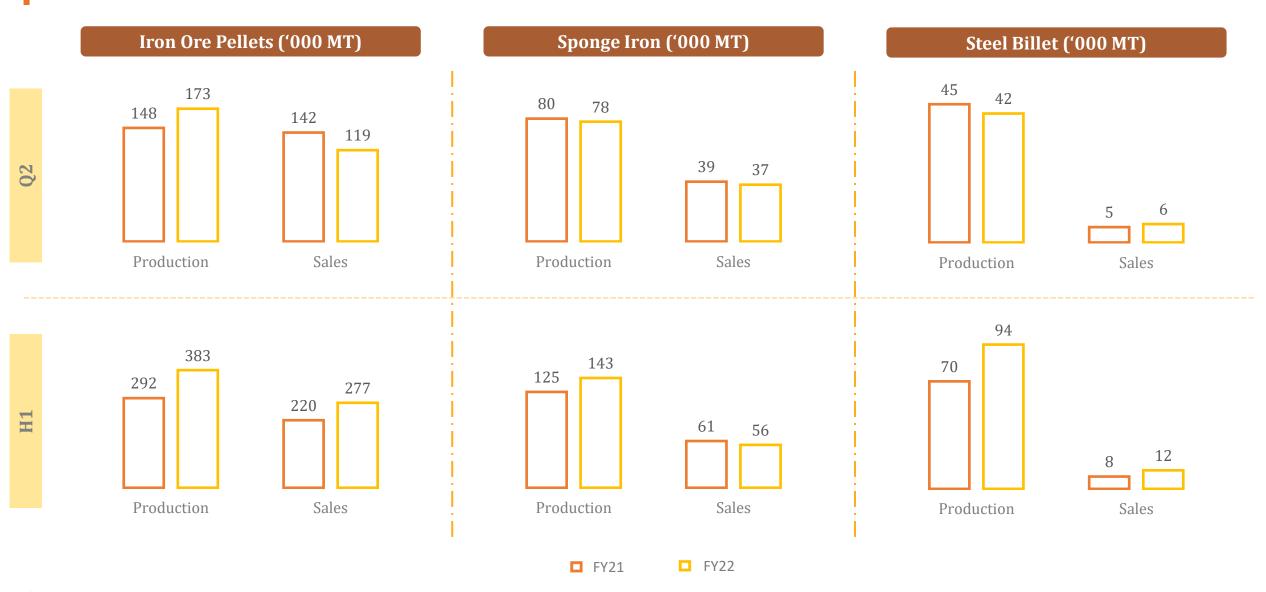
### **Metals Segment** - Product Prices Continue to Remain Firm...

#### Steel Segment: Product wise Incremental Realization





# ...On The Back of Robust Demand Across Products – Volume Data (1/2)



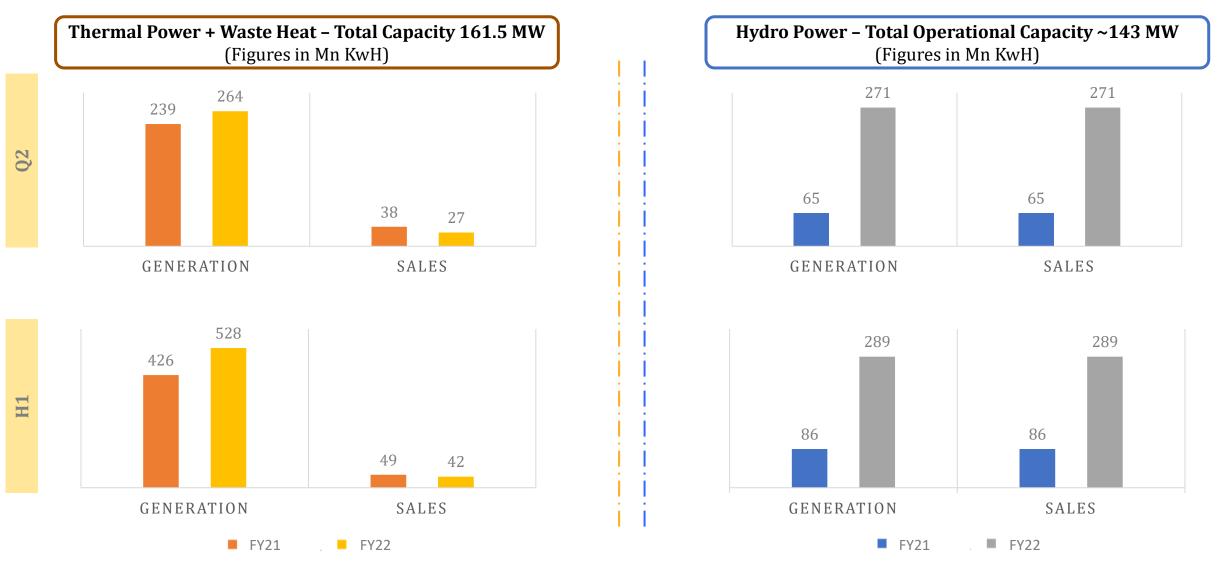


# ...On The Back of Robust Demand Across Products – Volume Data (2/2)





# Power Segment - Highest Ever Hydro Power Generation & Sales, led by SHP





### Key Strategies to Drive Growth and Competitive Advantage



#### **Vertical Integration and Capacity Expansion**

- Recently won two Coal Mines and bidding for Iron Ore mines to reduce input costs and ensure consistent supply
- Expanded Iron Ore Pellet capacity by 2 lac MMT to 8 lac MMT, effective March 2021; Planned expansion of Ferro Alloys capacity by 36 MVA to 147 MVA, likely to be completed by FY23



#### Diversification: From Commodity to Green Energy Player

- De-risked by adding annuity-like Revenue Stream (Hydro Power)
- Commercialized a large sized (113 MW) project at Sikkim in end of June 2021; Additional 25 MW of project under execution in Chhattisgarh
- All future Hydro Power Projects equity to be funded out of the cash flows of the existing projects



#### **Financial Prowess**

- Comfortable liquidity and leverage position TOL/NW of 0.86x (H1FY22)
- Set to improve with the recent commissioning of the Sikkim Hydro Power Project and utilization of Pellet capacity



#### **Strong Focus on ESG**

- Existing Hydropower portfolio of 142.7 MW and another 25 MW under execution; Additionally, existing 20 MW of Waste Heat power generation
- Prudent governance philosophies and sustainable business practices with strong focus on social responsibility

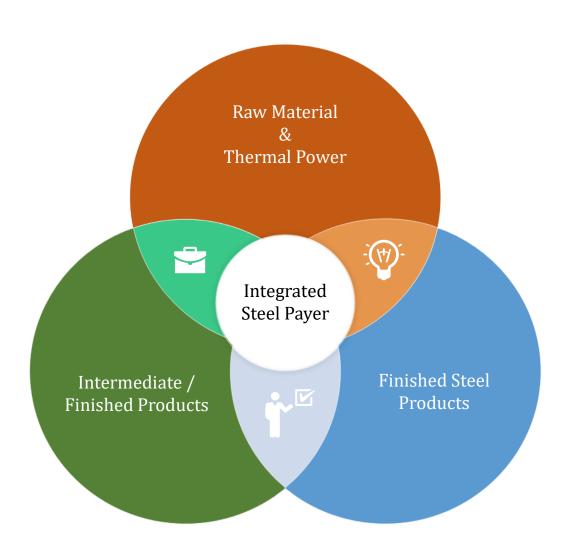
Well placed to continue on the growth trajectory





**SEML | De-Risked and Diversified** 

# **Metal Business** | Vertically Integrated Steel Player...



# **Raw Material & Thermal Power** (Captively procured key inputs, assures cost and quality control)







Iron Ore Mine

Coal Mine

Thermal Power

# **Intermediate / Finished Products** (Flexibility to sell products across entire product value chain)







Pellets

Sponge Iron

**Billets** 

#### **Finished Products**







Wire Rods

**HB Wires** 

Ferro Alloys



### ... Backed by Captive Resources, Driving Down Costs Significantly



#### **Captive Iron Ore Mine**

(Total Capacity of 1.5 MMT p.a.)

- Located at Rajnandgaon, Chhattisgarh, which is in proximity of only ~140 km from the Company's steel plant at Siltara, Chhattisgarh
- Currently operating at a capacity of 0.4 0.5
   MMT p.a.



#### <u>Captive Thermal + Waste Heat Plants</u>

(Total capacity of 161.5 MW)

- Located at both the manufacturing facilities Siltara (Chhattisgarh) and Vizag
- The combined power generation capacity stands at 161.5 MW
- The average generation (FY17-21) stands at
   ~1,012 Mn KwH p.a.
- Both plants combined **cater to ~100%** of the Company's in-house power requirement



#### **Recently won two Coal Mines**

(Total Capacity of 1.8 MMT p.a.)

- Gare Palma IV/ 7 Coal Mine, in Chhatisgarh, having extractable reserves **142 MMT** and production capacity of 1.2 MMT p.a. The Company has opearted this mine previously and expects to commission it in **Q3 FY22**
- Shahpur West Coal Mine, in Madhya Pradesh, having extractable reserves of **13.4 MMT** and production capacity of 0.6 MMT p.a.
- Both the mines are located within ~200 kms of the steel plant at Chhattisgarh, where the coal will be used, thereby further improving the operating efficienicies for the Company



# Robust Presence Across Steel Products – Siltara Plant in Chhattisgarh...

		Pellets	Sponge Iron	Billets	Wire Rods	HB Wires
	Description	Produced from Iron Ore fines & sold domestically	Produced from captive Iron Ore Lumps & Pellets. Preferred Route of Steel making.	Semi finished steel product produced by continuous casting process. Well-positioned with complete back-end integration.	Hot rolled product made from direct hot billet charging.	HB Wires- Wire rods are cold drawn to HB wires to sizes
(	Current Capacity	8,00,000 MT	3,60,000 MT	3,00,000 MT	1,80,000 MT	30,000 MT
	Recent Expansions	Expanded by 2,00,000 MT effective Mar'21	NA	NA	NA	NA
	Captive Consumption	25 - 30%	50-55%	80-85%	15-20%	NA

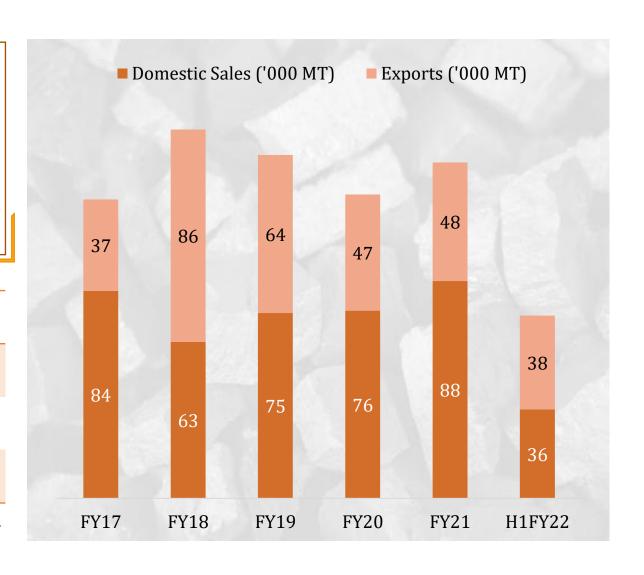


# ...And a Leading Manufacturer and Exporter of Ferro Alloys

- Manufactures manganese-based Ferro Alloys sold domestically as well exported to other countries
- Leading exporter of manganese-based Ferro Alloys
- Exports Awards:
  - SMAL received prestigious export promotion council award in 2018
  - SEML & SMAL received Two-Star export house status from GOI

Plant Location	<b>Current Capacity</b>	Primary Markets
Vishakhapatnam	2*33 MVA	Exports
Siltara, Raipur	5*9 MVA	Domestic
Total	111 MVA	

• Recently approved expansion project: Adding one more furnace of 36 MVA at the Vizag facility





# **Hydro Power Business** | Operational Assets of ~143 MW

	4.8 MW	24.9 MW	113 MW
Location	Uttarakhand	Chhattisgarh	Sikkim
Name of the River	Sarju	Gullu	Rongnichu
Year of Commissioning	2008	2017	2021
Tariff	INR 3.85 per unit	INR 5.21 per unit	Final tariff under determination
Term of PPA	30 -year PPA with State Discom	35-year PPA with State Discom	35-year PPA with State Discom
PLF - FY21	57%	50%	NA
Debt (H1FY22)	Debt Free since 2017	INR 87 Cr	INR 947 Cr
Key Updates	Expansion of 3 MW being proposed	Generating Free Cashflow since its first year	Commissioned on June 30, 2021

**Additionally, 24.9 MW plant** is being planned on the Rehar river in Chhattisgarh for which Financial Closure has been achieved and project construction has started; Expected to achieve CoD in FY25



### Well-Experienced and Strong Leadership at the Helm



Kamal Kishore Sarda *CMD* 

- Mechanical Engineer with 45 years experience in Iron and Steel Industry
- Responsible for the groups vision and strategic direction



Pankaj Sarda Joint MD

- Mechanical Engineer with 17 years experience in Iron and Steel Industry
- Responsible for steering SEML towards the path of growth



Padam Kumar Jain Director & CFO

- CA, CS with a rich experience of more than 35 years
- Looks after accounting, finance, taxation, costing and corporate laws



Manish Sarda DMD, SMAL

- MBA in International Business with 26 years of experience in Iron and Steel Industry
- Focused on overall development of commercial activities and Ferro Alloys business
- Chairman of Indian Ferro Alloy Producers' Association



Neeraj Sarda DMD, SMAL

- MBA in Finance &
   Marketing with more than
   16 years of experience in
   Iron & Steel Industry
- Responsible for the entire operations at Vishakhapatnam facilities

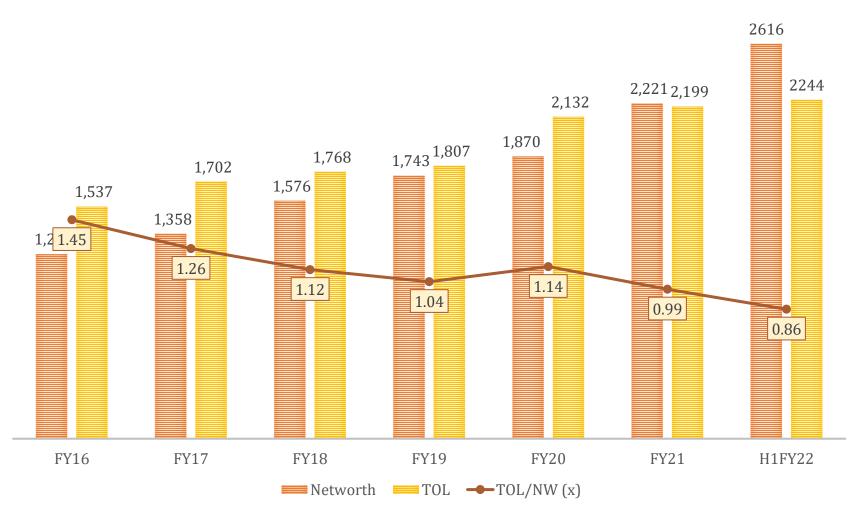




# **Financial Performance**

# Strong Balance Sheet: Comfortable Leverage Position

#### Figures in INR Crore



- Improving TOL/ NW ratio along with strong liquidity position
- With additional cashflows post commissioning of Sikkim Hydro project, the liquidity has strengthened further



# Consolidated P&L – Consistent Growth and High Profit Margins

INR in Cr	FY17	FY18	FY19	FY20	FY21
Revenues	1,434	2,217	2,324	2,000	2,199
Other Income	67	70	17	-17	144
Total Income	1,502	2,287	2,341	1,983	2343
Raw Material	942	1,478	1,493	1,293	1,347
Employee Expenses	75	77	87	88	89
Other Operating Expenses	200	260	261	263	243
EBITDA	284	472	499	339	664
EBITDA Margin (%)	19%	21%	21%	17%	28%
Depreciation	69	73	76	78	75
Interest	94	97	99	82	79
Exceptional Item	-	-	-	-	-15
Profit Before Tax	122	302	324	179	495
Share of Associates and JV	(28)	8	-	(7)	(4)
Tax	23	90	117	43	115
PAT	127	205	207	128	376
PAT Margin (%)	8%	9%	9%	6%	16%
EPS	35.58	56.01	56.36	35.05	104.00

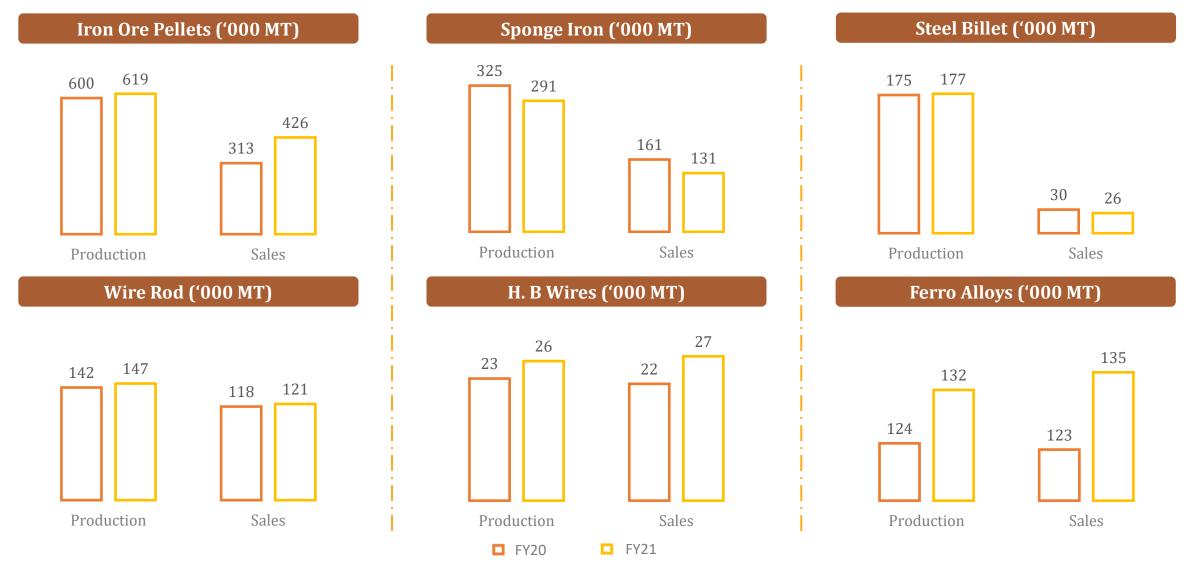


# Consolidated BS – Conservative Capital Structure and Strong Liquidity Profile

INR in Cr	FY17	FY18	FY19	FY20	FY21
Share Capital	36	36	36	36	36
Tangible Networth	1,322	1,540	1,707	1,834	2,185
Minority Interest	83	88	132	100	101
Long Term Borrowings	936	998	1,078	1,436	1,500
Short Term Borrowings	348	327	268	215	108
Other Liabilities	390	423	461	481	591
Total Liability	3,115	3,413	3,681	4,102	4,521
Net Fixed Asset	1,194	1,367	1,358	1,332	1,287
CWIP	788	775	1,054	1,365	1,619
Investment	226	215	196	169	243
Cash & Cash Equivalents	11	68	45	165	98
Other Assets	896	988	1,028	1,071	1,274
Total Assets	3,115	3,413	3,681	4,102	4,521



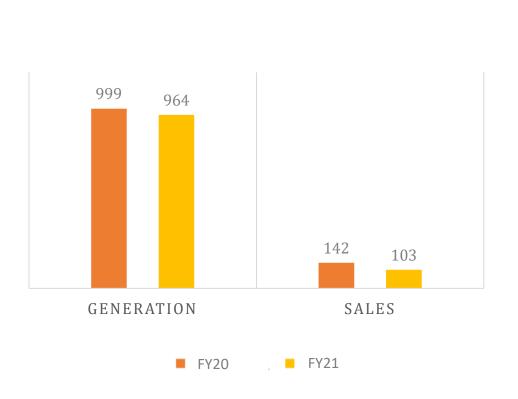
## Metal Segment - Robust Volume Growth Across Products - FY21



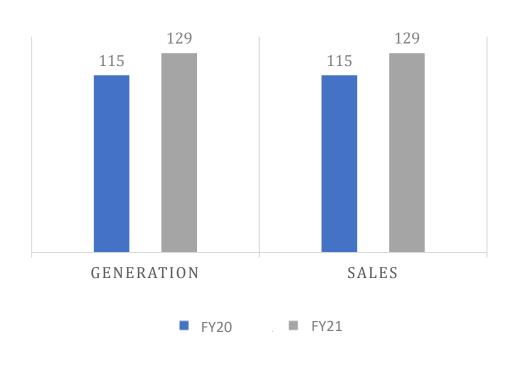


# Power Segment - Highest Ever Hydro Power Generation – FY21

Thermal Power + Waste Heat - Total Capacity 161.5 MW (Figures in Mn KwH)



Hydro Power - Total Operational Capacity 29.7 MW (Figures in Mn KwH)







# **Corporate Social Responsibility**

# Focus on Safety, Health & Social Responsibility



#### **Health & Safety**

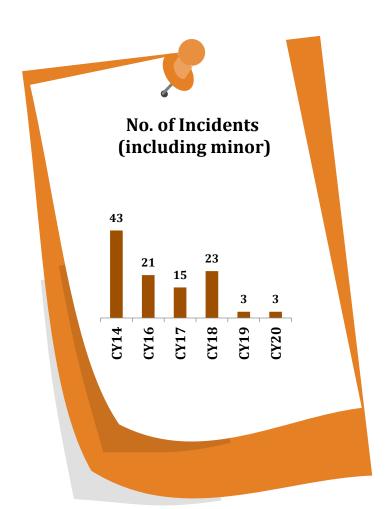
99.7% employees given first Covid vaccination dose and 80% given both doses

SEML awarded - Appreciation Award for Best Company in the Entire Eastern Region in Safety category

Regular medical check ups & inhouse medical facilities

Incident rate (including minor injuries) has seen a declining trend over past few years

Conducting trainings on safety measures every year





#### **Social Responsibility**

Adopted 90 single-teacher schools in the tribal areas of Chhattisgarh

Runs well-equipped ambulance with doctors & has set up first-aid facilities in the villages surrounding its mines

Potable water supply to villages

Conducted awareness on mother and child health care programs

Regularly supporting local administration in COVID-19 related measures



# Initiatives Against COVID-19





Donated Food Grains to Villagers

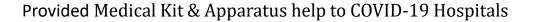




COVID testing camps for Villagers



Vaccine Drive for Employees: 99.7% given 1<sup>st</sup> dose and 80% given both doses





# Responsible Corporate Citizen (1/2)

#### **Education: Enabling quality education in community**

Salary support to Teachers at Siltara & Mines area village schools; Reward to Meritorious students of class 10<sup>th</sup> & 12<sup>th</sup>; Support to Educational Trust development; Support to Ekal Vidyalayas for education development of tribal students with FTS; Imparted computer education for village students

#### **Health: Preventive & curative healthcare services**

Operating mobile medical van with free medicines in mines area villages; Mobilized Doctors for community healthcare services; Financial support to critical patients for their advanced treatment and organised various health/blood donation camps

Organised health check-up camps at Sankalp Hospital, Raipur

#### **Infrastructure: Creating community assets**

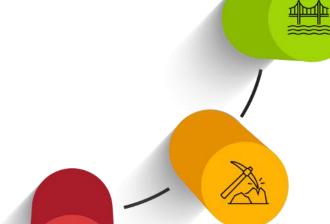
Creation of community assets like community hall, service road, cross drain, walkways etc. for the community benefit in nearby villages and created Rainwater harvesting structures for water shed development

#### Livelihood: Environmental & economical sustainability

Mass bamboo plantation, Pond deepening work for Water shed development, Potable water supply in Siltara, Mandhar & Mines area villages, Compensation to farmers for crop loss at Akoli & Tada village, Livelihood development of physically challenged, Saplings for plantation under Udaan Scheme, Sewing Training program

#### Art, Culture and Sport: Sports & culture development

Support for the local cultural promotion festival - Jhanki, Dance & Folk Art in villages; Support for the local sports and culture like Madai Mela and Kabaddi, etc.; Support to Mr Shrimant Jha Para Olympic Wrestler & Mr Anshuman Sharma



# Responsible Corporate Citizen (2/2)

#### Education







Health







Infrastructure







Livelihood







Cultural









# THANK YOU



Mr. Nilay Joshi (Head – Corporate Finance) njoshi@seml.co.in

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