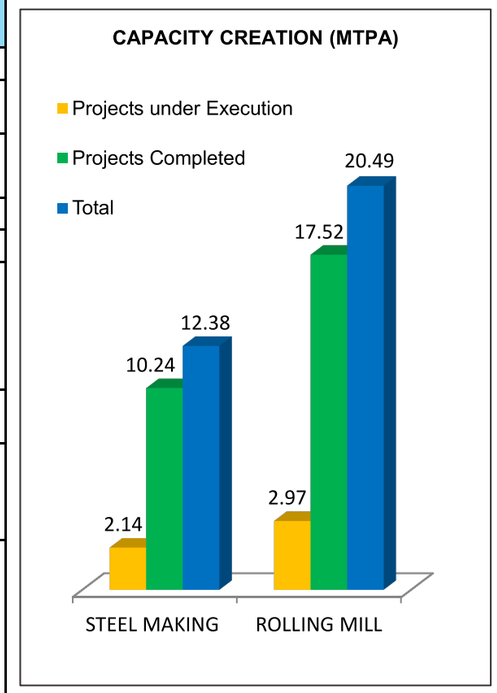
VISION & VALUES

KORUS is committed to be a world class organisation, setting up bench marks in quality of service, efficiency and professional ethics leading to leadership in all areas of its activities.

Aims to be the preferred choice of its customers by continuously upgrading itself to produce cutting edge technologies, simple & cost effective engineering solutions.

15 YEARS CONTRIBUTION AT A GLANCE

S. NO.	SUBJECT	INDIAN PROJECTS		FOREIGN PROJECTS		TOTAL	
		NO.	CAPACITY MTPA	NO.	CAPACITY MTPA	NO.	CAPACITY MTPA
1	**STEEL MAKING**						
1.1	Projects Completed	32	8.800	15	1.435	47	10.235
1.2	Projects under Execution	2	1.870	2	0.270	4	2.140
	TOTAL	34	10.670	17	1.705	51	**12.375**
2	**ROLLING MILLS**						
2.1	Projects Completed	39	14.562	12	2.435	51	16.997
2.2	Projects under Execution	10	3.070	3	0.425	13	3.495
	TOTAL	49	17.632	15	2.860	64	**20.492**
3	**SPECIAL PROJECTS**	**NO. & RATING**	**TOTAL CAPACITY**				
3.1	Integrated Steel Plant	1 x 0.3 MTPA	0.3 MTPA				
3.2	Iron Ore Beneficiation Plants	1 x 4.5 MTPA	4.5 MTPA				
3.3	Iron Ore Pellet Plants	1 x 4.5 MTPA	5.7 MTPA				
		1 x 1.2 MTPA					
3.4	Iron Ore Sinter Plants	1 x 0.47 MTPA	0.47 MTPA				
3.5	DRI Plants	1 x 500 TPD	0.16 MTPA				
3.6	Lime Kiln	1 x 300 TPD	1850 TPD				
		2 x 600 TPD					
		1 x 300 TPD					
		1 x 50 TPD					
3.7	Coke Ovens (Non Recovery, Vertical)	1 x 0.4 MTPA	0.4 MTPA				
3.8	Power Plants (Waste To Energy)	20 MW	60 MW				
		15 MW					
		25 MW					
3.9	Oxygen Plant	2 x 200 TPD	1990 TPD				
		1 x 340 TPD					
		2 x 300 TPD					
		1 x 50 TPD					
		2 x 300 TPD					
4	**REPORTS**	**FOR INDIAN CLIENTS**		**FOR FOREIGN CLIENTS**		**TOTAL**	
4.1	TEFR	68		19		87	
4.2	PFR	13		1		14	
4.3	DUE DILIGENCE	1		4		5	
4.4	TEVR	13		3		16	
4.5	LENDER'S ENGINEER	5		-		5	
4.6	PROJECT PROFILE	2		1		3	
4.7	MARKET SURVEY REPORT	1		-		1	
				TOTAL		**131**	



Legends

MTPA- Million Tonne Per Annum

TPD - Tonne Per Day

An Overview

KORUS is a multi-disciplinary Engineering Consultancy Organization established in 2005 by a group of senior engineers having hands-on experience in country's main Steel Plants along with their younger friends & colleagues from Public and Private Sector Industries. The mission of KORUS is to provide world class professional engineering services to the Iron & Steel industry from Concept to Commissioning for Greenfield, Technology Upgradation and Expansion Projects.

KORUS also provides Engineering Services for Power Plant Projects, mainly, Captive Power Plants, Waste to Energy Plants and Renewable Energy Plants.

KORUS has its Corporate office at Delhi and Engineering office at Bahadurgarh (Haryana). Engineering office is spread over a two acre plot.

KORUS is equipped with over 160 computer aided design (CAD) stations and specialized software for Mechanical, Civil, Structural & Piping design like AutoCAD, Solidworks, Inventor, Wicon Rolling Programme, STAAD.Pro, Revit Architecture, Tekla etc.

Starting with a group of 20, today KORUS is a team of more than 200 highly qualified and experienced professionals in all the relevant Technical and Engineering disciplines.

KORUS key Personnel, who are the brain trust of KORUS, have accumulated extensive experience by first working on shop floor during early stages of their careers in reputed Public and Private sector Steel Plants in India and abroad and then by providing Technical Consultancy and Project engineering services for over four decades in India, Georgia, Tanzania, Ghana, Nigeria, Indonesia, Malaysia, Nepal, Pakistan, Sri Lanka, Thailand, UAE, Saudi Arabia, Kuwait, Brazil and USA.

KORUS Philosophy of using collective wisdom & experience of KORUS team and keeping the interest of customers above all else, has made valuable contribution towards evolving simple, innovative, efficient and cost effective engineering solutions at every step of project implementation.

KORUS has set up a Design and Research Centre to design World class Steel Plant Equipment. The Centre will impart engineering skill and knowledge in the field of design to young technical professionals to transform them to fine design engineers. A well equipped Workshop and a Testing Laboratory, having sophisticated instruments like Spectrometer, Microscopes, Universal Testing Machine, Hardness Tester etc., has been set up at the Design & Research Centre. This would help in manufacturing prototypes of capital equipment of world class quality at local costs for Steel & other heavy industries.

KORUS - Advantage

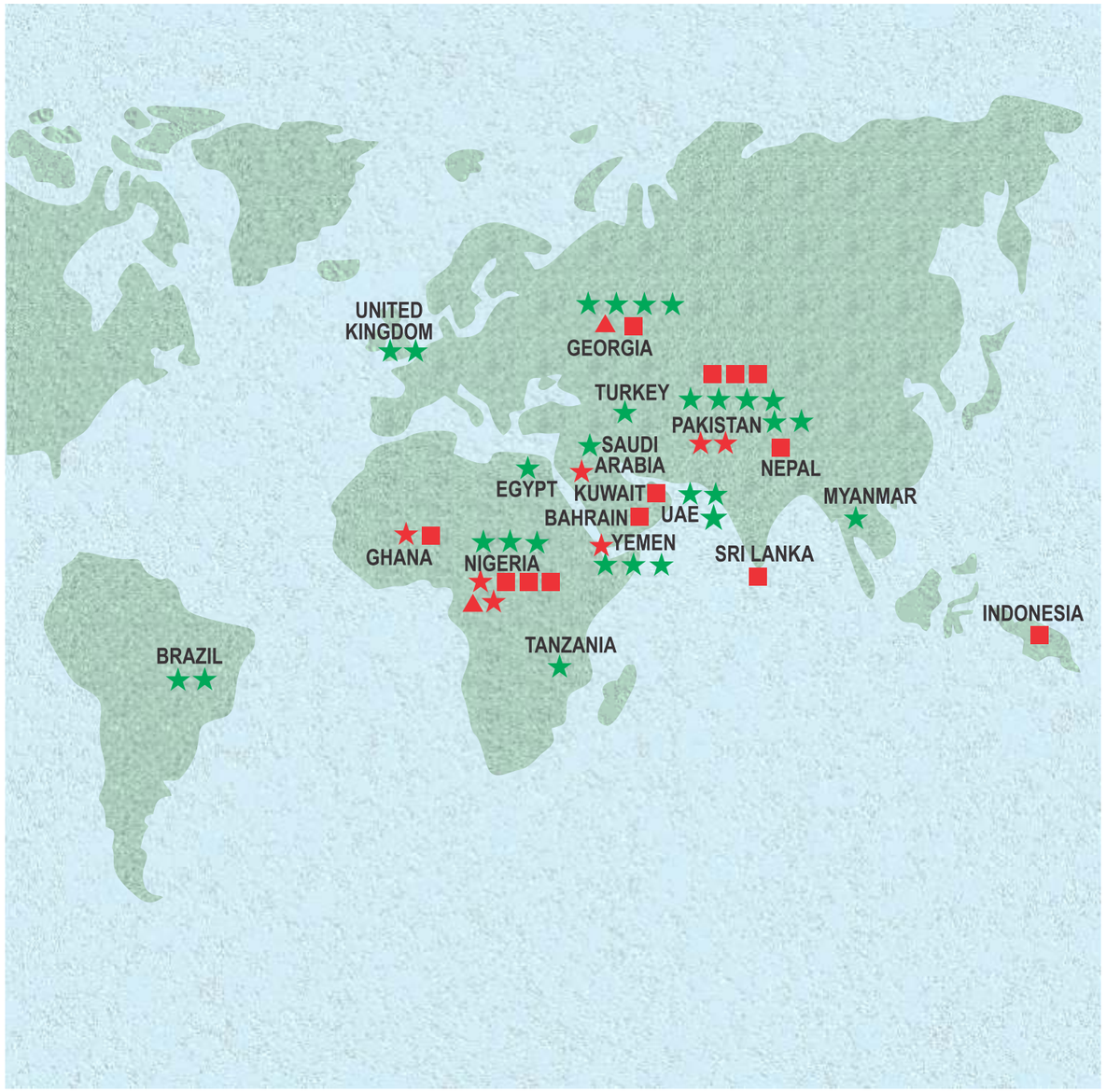
KORUS has the competitive advantage of having leadership with over four decades of experience in providing Technical Consultancy, Project Design and Engineering Services.

KORUS keeps abreast with latest developments in technology, on both National and International levels, through linkages with:

- Technology Developers
- Professional Institutions & Associations
- Equipment Suppliers
- Industrial Fairs
- Operating Units
- Seminars

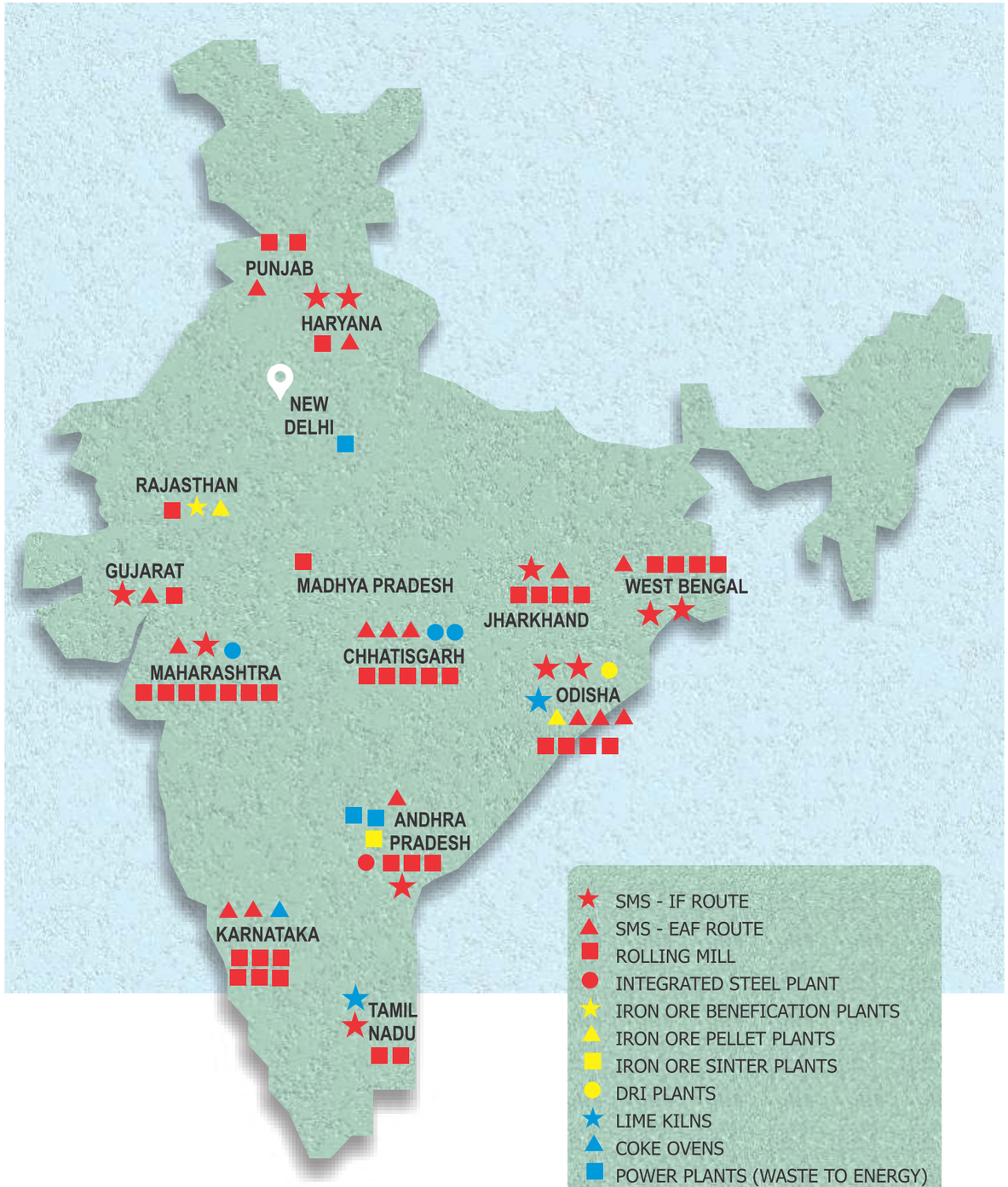
KORUS has built a strong operating database on Engineering designs, benchmarks and best practices based on decades of association with a number of prestigious steel projects worldwide.

GLOBAL REACH



- SMS - IF ROUTE
- SMS - EAF ROUTE
- ROLLING MILL
- REPORTS (TEFR/PFR/DDR/TEVR/PROJECT PROFILE/ LENDERS INDEPENDENT ENGINEERS/)

NATIONAL REACH



- SMS - IF ROUTE
- SMS - EAF ROUTE
- ROLLING MILL
- INTEGRATED STEEL PLANT
- IRON ORE BENEFICATION PLANTS
- IRON ORE PELLET PLANTS
- IRON ORE SINTER PLANTS
- DRI PLANTS
- LIME KILNS
- COKE OVENS
- POWER PLANTS (WASTE TO ENERGY)
- OXYGEN PLANT

OUR CUSTOMERS

WE ARE SINCERELY GRATEFUL
TO ALL OUR CUSTOMERS
FOR PUTTING THEIR FAITH
IN KORUS. THEIR SUPPORT
INSPIRES US TO DO THE BEST

Jayaswal NECO Industries Ltd.

Usha Martin

Jai Balaji

Upper India Steel

Orrisa Sponge Iron

Sona Alloys

ARE OUR CREDENTIALS

Sandur Manganese

Shri Rangaraj Ispat

Jairaj ispat

Shri Bajrang

OUR CUSTOMERS ARE OUR CREDENTIALS

FOREIGN CLIENTS

MISC
Yemen

Hill Metals Est
Saudi Arabia

PT Bhirawa Steel
Indonesia

DANA
Nigeria

Amreli Steels
Pakistan

GeoSteel
Georgia

AL-SUWAIDI
Saudi Arabia

حديد الوطنية
wataniasteel
Saudi Arabia

Kuwait Reinforcement
Kuwait

ZAMIN
Brazil

MMRDL
Tanzania

PLATINUM
CORPORATION FZE
Dubai

UNIROL
Universal Rolling
Bahrain

B5 plus
Ghana

AMBE STEELS
दीर्घायु भवः
Nepal

HORIZONSTEEL
Pakistan

KAMWIL
KAM Industries
Nigeria

SUNFLAG
Nigeria

NAVEENA
GROUP
Pakistan

Bathwal Corporation
UAE

Melwire Rolling Pvt Ltd
Sri Lanka

LIBERTY

INDUCTION FURNACE (IF) BASED STEEL MELT SHOP ENGINEERED

KORUS
PEOPLE WITH PASSION FOR EXCELLENCE

S. No.	PROJECTS & FACILITIES	IF No. & Capacity	LRF No. & Capacity	AOD Convertor No. & Capacity	Continuous Casting Machines		Capacity TPA	Commissioning Year
					Radius	No. of Strands		
A	**INDIAN PROJECTS**							
1	Adhunik Metalik Ltd., Rourkela (Odisha)	2 x 20 T	--	1 x 40 T	6/11 m	2	150,000	2007
2	Bhagwati Ferro Metals Pvt. Ltd. , Sinnar, Distt. Nasik (Maharashtra)	1 x 30 T	--	--	6/11 m	3	100,000	2012
3	Brahmaputra Metallics, Ramgarh (Jharkhand)	2 x 15 T	--	--	6/11 m	2	100,000	2012
4	Laser Shaving Products Pvt. Ltd. Faridabad (Haryana)	1 x 12 T	1 x 12 T	1 x 18 T	8/15 m Slab Caster	1	60,000	2008
5	Orissa Sponge Iron, Keonjhar (Odisha)	4 x 12 T	--	--	6/11 m	3	200,000	2007
6	Shree Rangaraaj Ispat (P) Ltd. Perunderi, Distt. Erode (Tamil Nadu)	2 x 15 T	--	--	6/11 m	3	100,000	2011
7	Srinath Metals Ltd. Hyderabad (Andhra Pradesh)	1 x 25 T	--	--	6/11 m	2	100,000	2009
8	Star Wire Ltd., Ballabhgarh (Haryana)	1 x 20 T	1 x 25 T	1 x 25 T	--	--	75,000	2014
9	Welspun Steel Ltd.,Anjar, Distt. Bhuj (Gujarat)	2 x 40 T	1 x 40 T	--	6/11 m	2	125,000 125,000	2011 2012
10	SRMB Srijan Ltd. Durgapur (West Bengal)	3 x 25 T	1 x 25 T	--	6/11 m	3	180,000	2018
11	Shakambhari Ispat & Power Ltd., Purulia (West Bengal)	--	--	--	6/11 m	3	--	2020
A	**TOTAL OF INDIAN PROJECTS**	**19 Nos.**	**4 Nos.**	**3 Nos.**	**10 Nos.**	**24 Nos.**	**1.315 MTPA**	
B	**FOREIGN PROJECTS**							
1	Amreli Steels Ltd., Karachi (Pakistan)	4 x 30 T	1 x 30 T	--	6/11 m	3	425,000	2010/ 2018
2	Dana Steel Ltd., Katsina (Nigeria)	1 x 20 T	--	--	6/11 m	2	60,000	2009
3	Hill Metal EST, Jeddah (Saudi Arabia)	2 x 25 T	1 x 30 T		6/11 m	2	100,000 100,000	2008 2010
4	Mukalla Iron & Steel, Yemen	2 x 18 T	1 x 20 T	--	6/11 m	2	100,000	2011
5	Kam Industries Nigeria Ltd., ILorin (Nigeria)	2 x 20 T	--	1 x 25 T	6/11 m	3	160,000	2017
6	B5 Plus Ltd., Tema (Ghana)	2 x 20 T	1 x 20 T	1 x 20 T	6/11 m	2	150,000	2019
7	Naveena Steel Mill Pvt. Ltd., Karachi (Pakistan)	2 x 25 T 1 x 25 T (P)	1 x 25 T (P)	--	6/11 m	3	270,000	2020
B	**TOTAL OF FOREIGN PROJECTS**	**15+1(P) Nos.**	**4+1(P) Nos.**	**2 Nos.**	**7 Nos.**	**17 Nos.**	**1.365 MTPA**	
A+B	**TOTAL OF INDIAN & FOREIGN PROJECTS**	**34+1(P) Nos.**	**8+1(P) Nos.**	**5 Nos.**	**17 Nos.**	**41 Nos.**	**2.68 MTPA**	

Legends: (P): Provision

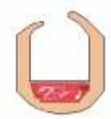
EAF / ZPF / EOF BASED STEEL MAKING SHOPS ENGINEERED




S. No.	PROJECTS & FACILITIES	EAF NO. & CAPACITY	LRF NO. & CAPACITY	VD NO. & CAPACITY	RH DEGASSER NO. & CAPACITY
A	**INDIAN PROJECTS**				
1	JSPL (SMS-II), Raigarh (Chhattisgarh)	1 x 100 T	2 x 100 T	1 x 100 T	1 x 100 T
2	Jai Balaji Ind. Ltd., Durgapur (West Bengal)	1 x 60 T	1 x 60 T	1 x 60 T	--
3	Adhunik Metalik Ltd., Rourkela (Odisha)	--	1 x 40 T	--	--
4	JSPL (SMS-III), Raigarh (Chhattisgarh)	1 x 100 T	1 x 100 T 1 x 100 T	1 x 100 T	--
5	Usha Martin Ltd., Jamshedpur (Jharkhand)	1 x 70 T	1 x 70 T 1 x 40 T	1 x 70 T	--
6	Aarti Steel Ltd., Cuttack (Odisha)	1 x 40 T	--	1 x 40 T	--
7	L&T Ltd., Hazira (Gujarat)	1 x 100 T	1 x 100 T 1 x 100 T (P)	1 x 100 T	1 x 100 T (P)
8	Star Wire Ltd., Ballabhgarh (Haryana)	1 x 20 T	1 x 25 T	1 x 20 T VD / VOD	--
9	Kamineni Steel & Power India Pvt. Ltd., Hyderabad (Andhra Pradesh)	1 x 60 T	1 x 60 T	1 x 60 T	--
10	Jayaswal Neco Ind. Ltd., Raipur (Chhattisgarh)	1 x 75 T	1 x 75 T	1 x 75 T VD / VOD	--
11	BMM Ispat Ltd., Hospet (Karnataka)	1 x 100 T 1 x 100 T (P)	1 x 100 T 1 x 100 T (P)	1 x 100 T (P)	--
12	Sona Alloys Pvt. Ltd., Lonand (Maharashtra.)	1 x 45 T	1 x 45 T	1 x 45 T	--
13	Bhushan Power & Steel Ltd., Jharsuguda (Odisha)	1 x 75 T 1 x 75 T (P)	1 x 75 T 1 x 75 T (P)	1 x 75 T VD 1 x 75 T VD / VOD (P)	--
14	JSW Steel Ltd., Toranagallu (Karnataka)	1 x 160 T (ZPF)	1 x 160 T	--	--
15	Vardhman Special Steel Ltd., Ludhiana (Punjab)	1 x 35 T Revamping along with new FES	1 x 35 T	--	--
16	Jai Raj Ispat Ltd., Kurnool (Andhra Pradesh)	1 x 40 T (EOF)	1 x 40 T	--	--
A	**TOTAL OF INDIAN PROJECTS**	**15+2(P) Nos.**	**18+3(P) Nos.**	**11+2(P) Nos.**	**1+1(P) Nos.**
B	**FOREIGN PROJECTS**				
1	Geo Steel LLC, Rustavi (Georgia)	1 x 38 T	1 x 40 T	--	--
2	Kam Industries Nigeria Ltd., ILorin (Nigeria)	1 x 25 T	1 x 25 T	--	--
B	**TOTAL OF FOREIGN PROJECTS**	**2 Nos.**	**2 Nos.**	--	--
A+B	**TOTAL OF INDIAN & FOREIGN PROJECTS**	**17+2(P) Nos.**	**20+3(P) Nos.**	**11+2(P) Nos.**	**1+1(P) Nos.**

Legends: EAF: Electric Arc Furnace ZPF: Zero Power Furnace EOF: Energy Optimization Furnace (P): Provisional

EAF / ZPF / EOF BASED STEEL MAKING SHOPS ENGINEERED



AOD NO. & CAPACITY	BILLET / BLOOM CASTERS		SLAB CASTERS		STEEL MAKING CAPACITY MTPA	YEAR COMMI-SSIONED
	RADIUS	NO. OF STRANDS	RADIUS	NO. OF STRANDS		
--	9/16 m	6	12 m	1	1.00	2006/08
--	8/15 m	3	--	--	0.50	2008
1 x 40 T	12/18 m	2	--	--	0.30	2008
--	Combi Caster 12 m Billet Caster 9/16 m	4 6	--	--	1.00	2009 Added 2014
--	12/16.5/30 m	2	--	--	0.40	2009
--	7/14 m	2	--	--	0.15	2009
--	Ingot Casting under Vacuum		--	--	0.50	2012
1 x 25 T	--	--	--	--	0.075	2012
--	6/12 m	2	--	--	0.35	2014
1 x 75 T	12 m	4	--	--	0.57	2015
--	9/11 m 2nd Caster yet to be decided	6	--	--	1.00	2015
--	9/13.5/25 m	2 1(P)	--	--	0.30	2015
1 x 60 T	1 Billet Caster 10/19 m 1 Bloom Caster 6.5 m (P)	3 1 (P)	--	--	1.14	2015
--	9/16 m	5(6)	--	--	1.52	Under Execution
--	--	--	--	--	0.2	2019
--	9 m Radius (Endless Casting)	1	--	--	0.35	Under Execution
4 Nos.	**14+1(P) Nos.**	**48(49)+2(P) Nos.**	**1 No.**	**1 No.**	**9.355**	
--	12.5 m	2/3 (P)	--	--	0.2	2009
--	6/11 m	2	--	--	0.14	2019
--	**2 Nos.**	**4+1(P) Nos.**	--	--	**0.34**	
4 Nos.	**16+1(P) Nos.**	**52(53)+3(P) Nos.**	**1 No.**	**1 No.**	**9.695**	

STEEL ROLLING MILL PROJECTS ENGINEERED

MILL TYPE, CAPACITY & YEAR OF COMMISSIONING

S. NO.	TYPE OF ROLLING MILLS	TMT/ REBAR MILLS (TPA)	WIRE ROD CUM REBAR MILL (TPA)	ALLOY STEELS BAR MILLS (TPA)	WIRE ROD MILLS (TPA)	BAR CUM WIRE ROD MILLS (TPA)	BAR & SECTION MILLS (TPA)	HEAVY BAR MILLS (TPA)	MED & LIGHT SECTION MILLS (TPA)	BLOOMING & HEAVY BAR MILLS (TPA)	PLATE MILLS/STRIP MILLS (TPA)	UNIVERSAL RAIL & BEAM MILLS (TPA)	CUSTOMER WISE CAPACITY (MTPA)
A	**INDIAN PROJECTS**												
1	Jindal Steel & Power Ltd., Angul (Odisha)	1,400,000* (2016)											1.4
2	Jindal Steel & Power Ltd., Raigarh (Chhattisgarh)								600,000* (2010)		800,000 # (2007)	600,000 # (2006)	2
3	Jindal Steel & Power Ltd., Patratu (Jharkhand)	1,000,000* (2011)			600,000* (2011)								1.6
4	JSW Steel Ltd., Torangallu (Karnataka)	1,000,000* (2009)			600,000* (2008)								1.6
5	JSW Steel Ltd., Torangallu (Karnataka)	1,200,000* (2014)											1.2
6	JSW Steel Ltd., Salem (Tamil Nadu)									400,000 # (2010)			0.4
7	Jayaswal Neco Industries Ltd., Raipur (Chhattisgarh)			100,000 (2008)	250,000 (2009)		400,000 (2015)						0.75
8	Usha Martin Ltd., Jamshedpur (Jharkhand)			250,000 # (2009)									0.25
9	Bhushan Power & Steel Ltd., Sambalpur (Odisha)					500,000* (2011)		500,000 (Under Execution)					0.5 +0.5
10	Kalyani Gerdau Steel Ltd., Tadipatri (Andhra Pradesh)			300,000* (2013)									0.3
11	Kalyani Steels Ltd., Hospet (Karnataka)			84,000 # (2012)									0.084
12	Hospet Steel Ltd., Hospet (Karnataka)									250,000 (2009)			0.25
13	Kalyani Carpenter Special Steel Ltd., Pune (Maharashtra)			200,000 # (2007 / 2013)		(Finishing facilities added in 2007 / Mill upgraded to 200,000 TPA in 2013)							0.2
14	Mahalaxmi TMT Pvt. Ltd., Wardha (Maharashtra)	400,000 (2011)											0.4
15	Nalwa Steel & Power Ltd., Raigarh (Chhattisgarh)	300,000 (2007 / 2019)											0.3
16	R.L. Steel & Engg. Ltd., Aurangabad (Maharashtra)			180,000 (2015)									0.18
17	Sona Alloys Pvt. Ltd., Lonand (Maharashtra)			250,000 # (2015)									0.25
18	Sunflag Iron & Steel Co. Ltd., Bhandara (Maharashtra)			320,000 (Under Execution)						200,000 (2011)			0.20+0.32
19	Adhunik Metalik Ltd., Rourkela (Odisha)			250,000 # (2007)									0.25
20	BMA Stainless Ltd., Asansol (West Bengal)	100,000 (2007)											0.1
21	Mahindra Sanyo Special Steel Pvt. Ltd., Khopoli (Maharashtra)			200,000 # (2008)		(20TPH RHF added in 2020)							0.2
22	Shri Bajrang Metallics and Power Ltd., Raipur (Chhattisgarh)					150,000 (2006)							0.15
23	Synergy Steel Ltd., Alwar (Rajasthan)				200,000 (2016)	(Stainless Steel)							0.2
24	SKS Ispat Ltd., Raipur (Chhattisgarh)					175,000 (2009)							0.175

Legend * Rolling Mill Set up at +5000 level # Second Hand Mill Re-engineered

STEEL ROLLING MILL PROJECTS ENGINEERED

MILL TYPE, CAPACITY & YEAR OF COMMISSIONING

S. NO.	TYPE OF ROLLING MILLS	TMT/ REBAR MILLS (TPA)	WIRE ROD CUM REBAR MILL (TPA)	ALLOY STEELS BAR MILLS (TPA)	WIRE ROD MILLS (TPA)	BAR CUM WIRE ROD MILLS (TPA)	BAR & SECTION MILLS (TPA)	HEAVY BAR MILLS (TPA)	MED & LIGHT SECTION MILLS (TPA)	BLOOMING & HEAVY BAR MILLS (TPA)	PLATE MILLS/STRIP MILLS (TPA)	UNIVERSAL RAIL & BEAM MILLS (TPA)	CUSTOMER WISE CAPACITY (MTPA)
25	Upper India Steel Manufacturing & Engineering Co. Ltd., Ludhiana (Punjab)			100,000 (2007)									0.1
26	Mittal Corp. Ltd., Pithampur (Madhya Pradesh)					150,000 (2013)							0.15
27	Vardhman Special Steels Ltd., Ludhiana (Punjab)			150,000 (2013)									0.15
28	Kalika Steel Alloys Pvt. Ltd., Jalna (Maharashtra)	250,000 (2015) Direct Rolling											0.25
29	SLR Metaliks Ltd., Hospet (Karnataka)	Mill can also Roll TMT Rebar		320,000* (2016) Garret Coiler Added (2019)									0.32
30	Steel Strips Wheels Ltd., Seraikela (Jharkhand)						28,000 (2017) Special Section Mill						0.028
31	Chandan Steel Ltd., Umbergaon (Gujarat)					200,000 # (2019)*							0.2
32	Mukand Sumi Special Steel Ltd., Hospet (Karnataka)					400,000* (Under Execution)							0.4
33	Mukand Sumi Metal Processing Ltd., Hospet (Karnataka)					Alloy Steels Bar Finishing Facility (Under Execution)							---
34	Eloquent Steel Pvt. Ltd., Asansol (West Bengal)	150,000 # Direct Rolling (Under Execution)											0.15
35	Aarti Steel Ltd., Cuttack (Odisha)			200,000 (2019)									0.2
36	Rungta Mines Ltd., Chaibasa (Jharkhand)	250,000 (45TPH) Direct Rolling (Under Execution)											0.25
37	Pushpit Steels Pvt. Ltd., Chithoor (Andhra Pradesh)	300,000 Direct Rolling (Under Execution)											0.3
38	Maithan Steel & Power Ltd., Salanpur (West Bengal)	200,000 Direct Rolling (Under Execution)											0.2
39	Shakambhari Ispat & Power Ltd., Asansol (West Bengal)		250,000 Direct Rolling (2020)										0.25
40	Suryadev Alloys & Power Pvt. Ltd., Gummidipoondi (Tamilnadu)	350,000 Direct Rolling (Under Execution)											0.35

Legend * Rolling Mill Set up at + 5000 level # Second Hand Mill Re-engineered

STEEL ROLLING MILL PROJECTS ENGINEERED

MILL TYPE, CAPACITY & YEAR OF COMMISSIONING

S. NO.	TYPE OF ROLLING MILLS	TMT/ REBAR MILLS (TPA)	WIRE ROD CUM REBAR MILL (TPA)	ALLOY STEELS BAR MILLS (TPA)	WIRE ROD MILLS (TPA)	BAR CUM WIRE ROD MILLS (TPA)	BAR & SECTION MILLS (TPA)	HEAVY BAR MILLS (TPA)	MED & LIGHT SECTION MILLS (TPA)	BLOOMING & HEAVY BAR MILLS (TPA)	PLATE MILLS/STRIP MILLS (TPA)	UNIVERSAL RAIL & BEAM MILLS (TPA)	CUSTOMER WISE CAPACITY (MTPA)
41	Jindal Stainless (HISAR) Ltd., Hisar (Haryana)										225,000 (2019)		0.225
42	Jai Raj Ispat Ltd., Kurnool (Andhra Pradesh)	350,000 * (Under Execution)	(Endless Casting & Rolling)										0.35
	TOTAL OF INDIAN PROJECTS												
	NO. OF MILLS	**8+6 Nos.**	**1 No.**	**13+1 Nos.**	**4 Nos.**	**5+1 Nos.**	**2 Nos.**	**1 No.**	**1 No.**	**3 Nos.**	**2 No.**	**1 No.**	**40 +9 Nos.**
	CAPACITY - MTPA	**5.65 + 1.6**	**0.25**	**2.584+ 0.32**	**1.65**	**1.175 + 0.4**	**0.428**	**0.5**	**0.6**	**0.85**	**1.025**	**0.6**	**14.812 + 2.82**
B	**FOREIGN PROJECTS**												
1	Dana Steel, Katsina (Nigeria)	250,000 (2007)	(Restarting)										0.25
2	Amreli Steels Ltd., Karachi (Pakistan)	90,000 (2007)											0.09
3	Kuwait Reinforcement Steel Manufacturing Co. (Kuwait)	150,000 (2010)											0.15
4	Geo Steel LLC, Rustavi (Georgia)	175,000 (2009)											0.175
5	Universal Rolling Mill (Bahrain)	175,000 (2009)											0.175
6	P.T. Bhirawa, Surabaya (Indonesia)	180,000 (2011)											0.18
7	Sunflag Iron & Steel Co. Ltd., Lagos (Nigeria)	250,000 (2015)											0.25
8	B5 Plus Ltd., Tema (Ghana)					150,000 (Under Execution)							0.15
9	Horizon Steel Ltd., Karachi (Pakistan)				90,000 (2019)								0.09
10	Kam Industries Nigeria Ltd., ILorin (Nigeria)					150,000 Direct Rolling (2018)							0.15
11	Naveena Steel Mills Pvt. Ltd., Karachi (Pakistan)	275,000 Direct Rolling (2020)											0.275
12	Jay Ambe Steels Pvt. Ltd., Nepalgunj (Nepal)	250,000 (2020)											0.25
13	Melwire Rolling Pvt. Ltd., Colombo (Sri Lanka)	250,000 * (2018)	Addition of Wire Rod Line (Under Execution)										0.25
14	Amreli Steels Ltd., Karachi (Pakistan)	425,000 * (2018)											0.425
	TOTAL OF FOREIGN PROJECTS												
	NO. OF MILLS	**11 Nos.**	**1**	**---**	**1 No.**	**1 + 1 Nos.**	**---**	**---**	**---**	**---**	**---**	**---**	**13 + 2 Nos.**
	CAPACITY - MTPA	**2.47**	**---**	**---**	**0.09**	**0.15 + 0.15**	**---**	**---**	**---**	**---**	**---**	**---**	**2.71 + 0.15**
A+B	**TOTAL OF INDIAN & FOREIGN PROJECTS**												
	NO. OF MILLS	**25 Nos.**	**2 No.**	**14 Nos.**	**5 Nos.**	**9 Nos.**	**2 Nos.**	**1 No.**	**1 No.**	**3 Nos.**	**2 No.**	**1 No.**	**64 Nos.**
	CAPACITY - MTPA	**9.72**	**0.25**	**2.904**	**1.74**	**2.055**	**0.428**	**0.5**	**0.6**	**0.85**	**1.025**	**0.6**	**17.522+ 2.97 = 20.492**

Legend * Rolling Mill Set up at + 5000 level

S.NO.	PROJECTS & FACILITIES	NUMBER & CAPACITY/ REMARKS	YEAR COMMISSIONED
1	**INTEGRATED STEEL PLANT**		
1.1	Jai Raj Ispat Ltd. Kurnool (Andhra Pradesh)	1 x 0.3 MTPA	Under Execution
2	**IRON ORE BENEFICATION PLANTS**		
2.1	Jindal Saw Ltd., Bhilwara (Rajasthan)	1 x 4.5 MTPA	2013
3	**IRON ORE PELLET PLANTS**		
3.1	Jindal Steel & Power Ltd., Barbil (Odisha)	1 x 4.5 MTPA	2009
3.2	Jindal Saw Ltd., Bhilwara (Rajasthan)	1 x 1.2 MTPA	2013
4	**IRON ORE SINTER PLANTS**		
4.1	Kalyani Gerdau Steel Ltd., Tadipatri (Andhra Pradesh)	1 x 33m^2 470,455 TPA	2012
5	**DRI PLANTS**		
5.1	Aarti Steels Ltd., Cuttack (Odisha)	1 x 500 TPD 160,000 TPA	2010
6	**LIME KILNS**		
6.1	JSW Steel Ltd., Salem (Tamil Nadu)	1 x 300 TPD 100,000 TPA	2010
6.2	Bhushan Power & Steel Ltd., Jharsuguda (Odisha)	2 x 600 TPD 1 x 20 TPH Lime Sizing Plant	Under Execution
6.3	Power International LLC, Fujairah (UAE)	1 x 300 TPD 1 x 240 TPD Hydration Plant	Under Execution
6.4	Kam Industries Nigeria Ltd., ILorin (Nigeria)	1 x 50 TPD	Under Execution
7	**COKE OVENS (NON RECOVERY , VERTICAL)**		
7.1	The Sandur Manganese and Iron Ores Ltd., Hospet (Karnataka)	400,000 TPA	2020
8	**POWER PLANTS (WASTE TO ENERGY)**		
8.1	Jindal Urban Waste Management, Guntur (Andhra Pradesh)	20 MW	Under Execution
8.2	Jindal Urban Waste Management, Vishakhapatnam (Andhra Pradesh)	15 MW	Under Execution
8.3	Jindal Urban Waste Management, Tehkhand (Delhi)	25 MW	Under Execution
9	**POWER SUB STATION**		
9.1	Inox Wind Infrastructure Services Ltd., Baswan Bagewadi (Karnataka)	2 x 50MVA , 220/33 KV Sub Station	Under Execution
10	**MATERIAL HANDLING SYSTEMS**		
10.1	The Sandur Manganese and Iron Ores Ltd., Hospet (Karnataka)	Ferro Alloys Plant	2020
10.2	Jindal Steel & Power Ltd., Angul (Odisha)	Coke Handling System	Under Execution
10.3	Jindal Saw Ltd., Bhilwara (Rajasthan)	Iron Ore Handling System	2015
10.4	Jindal Saw Ltd., Bhilwara (Rajasthan)	Rapid Truck Loading System for Iron Ore Pellets	2015

SPECIAL PROJECTS

S.NO.	PROJECTS & FACILITIES	NUMBER & CAPACITY/ REMARKS	YEAR COMMISSIONED
11	**OXYGEN PLANT**		
11.1	Jindal Steel & Power Ltd., Raigarh (Chhattisgarh)	2 x 200 TPD-VPSA	2019
11.2	Jayaswal Neco Industries Ltd., Raipur (Chhattisgarh)	1 x 340TPD	2014
11.3	B5 Plus Ltd., Tema (Ghana)	2 x 300 TPD	Under Execution
11.4	Geo Steel LLC, Rustavi (Georgia)	1 x 50 TPD	2009
11.5	Sona Alloys Pvt. Ltd., Lonard (Maharashtra)	Liquid Oxygen Storage System	2015
11.6	Kam Industries Nigeria Ltd., ILorin (Nigeria)	2 x 300 TPD	2019
12	**HOT METAL DESULPHURISATION SYSTEM**		
12.1	Jindal Steel & Power Ltd., Angul (Odisha)	2 x 250 MT	2019
13	**CONVERSION OF EAF TO ZERO POWER OPERATION**		
13.1	Jindal Steel & Power Ltd., Raigarh (Chhattisgarh)	2 x 100T	2017
13.2	Jindal Steel & Power Ltd., Angul (Odisha)	1 x 250 T	2019
14	**SLAG ATOMISATION PLANT**		
14.1	Jindal Steel & Power Ltd., Raigarh (Chhattisgarh)	SMS II & III	2017
15	**SLAB/ BILLET CASTER UPGRADATION**		
15.1	Jindal Steel & Power Ltd., Raigarh (Chhattisgarh)	Upgradation of Slab Caster from 2600mm to 3000mm	2015
15.2	Vardhman Special Steel Ltd., Ludhiana (Punjab)		2019
16	**GARRET COILER LINE**		
16.1	Bhushan Power & Steel Ltd., Jharsuguda (Odisha)	---	2015
16.2	Jayaswal Neco Industries Ltd., Raipur (Chhattisgarh)	KORUS Design	2009
16.3	SLR Metallic Ltd., Hospet (Karnataka)	---	2019
16.4	Aarti Steels Ltd., Cuttack (Odisha)	KORUS Design	2019
16.5	Mukand Sumi Special Steel Ltd., Ginigera (Karnataka)	---	Under Execution
16.6	Chandan steel Ltd., Umbergaon (Gujarat)	For Stainless Steel	2019
17	**KOCKS BLOCK / SIZING BLOCK**		
17.1	Bhushan Power & Steel Ltd., Jharsuguda (Odisha)	Kocks Block	2015
17.2	SLR Metallic Ltd., Hospet (Karnataka)	Primetals 3 Stand Sizing Mill	2016
17.3	Mukand Sumi Special Steel Ltd., Ginigera (Karnataka)	SMS GROUP 4 Stand 4 Roll Precision Sizing Mill	Under Execution
18	**ABRASIVE SAW**		
18.1	Bhushan Power & Steel Ltd., Jharsuguda (Odisha)	---	2015
18.2	Jayaswal Neco Industries Ltd., Raipur (Chhattisgarh)	---	2020
18.3	SLR Metallic Ltd., Hospet (Karnataka)	---	2016
18.4	Aarti Steels Ltd., Cuttack (Odisha)	---	2019
18.5	Mukand Sumi Special Steel Ltd., Ginigera (Karnataka)	---	Under Execution
18.6	Vardhman Special Steel Ltd., Ludhiana (Punjab)	---	2013

MECHANICAL EQUIPMENT DESIGNED BY KORUS OVER THE YEARS 2005 - 2019

- **Customized design as per Client requirement**
- **Equipment manufactured in Reputed workshops in India and Abroad**
- **More than 35 highly satisfied Clientele with repeat orders**
- **Over 15000 MT of equipment designed by KORUS working satisfactorily**

•	Charging Grates - Pawl Beam type, Pusher cum Charging type
•	Major Mechanical Items for Reheating Furnaces like Pusher, Ejector, Pull out Roll, Billet Lift and Carry Transfer, Billet Weighing System, Billet Marking System, Cold Billet Reject System, Billet Elevator
•	Equipment for Direct Rolling from Caster to Mill
•	Equipment for Hot Charging of Billets from Caster to Mill
•	Roller Tables - Various types including Roller Table for Transfer of 30T slab & 5.0m wide plates, Turn Tables, Insulated Roller Tables, Tilting Tables, Shiftable Tables, Bypass Tables
•	Hot Billet Reject Systems
•	Mill Stands, Spindles, Spindles supports, Pinch Rolls, Stand Extraction Devices, Stand Tilters, Inter Stand Equipment
•	Manipulator
•	Rope and Chain Transfers
•	Mill Guides - Entry and Exit, Inter Stand
•	Drop Guides, Bar Turners
•	Trough Tilters
•	Grip Tilters, Ingot Tilters
•	Shears - Flying & 4-Crank with Crop Collection System, Dividing Shear, Rotary Shear
•	Looper - Horizontal & Vertical
•	Repeaters

MECHANICAL EQUIPMENT DESIGNED BY KORUS
OVER THE YEARS 2005 - 2019

•	Hot Saws - Fixed and Travelling
•	Length Measuring Gauge for Hot Saws
•	Cooling Beds - Rake type, Turnover type, Chain type, Walking Beam Type
•	Cold Shear with Dipping mechanism
•	Length Measuring Gauge for Cold Shears
•	Bar Handling System
•	Bar Bundle Collection System
•	Rebar Bundle Bending System
•	Stackers for sections including angles, channels & beams
•	Garret Coiler line for coils up to 2MT weight including Pinch Rolls, Water Boxes, Conveying Lines, Garret Coilers, Slat Conveyor, Coiler feeding & discharge system, Coil Elevator, Upender, Coil Capstan etc.
•	Coil Handling System including Hook Conveyor, Pallet Conveyor, Coil Weighing System, Coil Discharge System for Coils weighing up to 2MT
•	Control Cooling line after Wire Rod Block including Controlled Cooling Conveyor, Coil Forming System, Coil Collecting Head, Coil Discharge System
•	Coil Compactor - Static & Rotary Type
•	Steel Ladles of various capacities
•	Transfer Trolleys for Billets, Stands, Finished Products, Scrap, Switching
•	Pusher car for Hot Metal Ladle
•	Caster Cooling Beds
•	Material Handling System - Silo, Dedusting & associated structures
•	Ducting for Fume Extraction System

Garret Coiler Line
• JayaswalNeco, Raipur

Chain Type Cooling Bed
• Kalyani Carpenter, Pune

Finishing Products
Processing Line
• Kalyani Carpenter, Pune

Turn Over Cooling Bed
and Slow Cooling Cradles
for Alloy Steel
• Usha Martin, Jamshedpur
• Hospet Steel, Hospet
• Kalyani Steel, Hospet

Fixed & Travelling Hot Saw,
Hot saw Gauge & Clamps
• Usha Martin, Jamshedpur
• Hospet Steel, Hospet
• JayaswalNeco, Raipur

Lift & Carry Hot billet/
bloom transfer
• Sunflag, Bhandara
• Kalyani Steel, Hospet
• Vardhman Steel, Ludhiana

Trough Tilter
• Kalyani Steel, Hospet
• AS Precision, Mandi Gobindgarh

Roller Table & Skid Transfers
• Many Plants

Coil Collecting Head
• Jagdambe Steel, Nepal

Coil Compactor
• Jagdambe Steel, Nepal

Mill Stand and
Inter-Stand Equipment
• Hospet Steel, Hospet
• Jindal Stainless, Hissar

Narrow Strip Mill- Finishing Stand
& Inter -Stand Equipment
• Jindal Stainless, Hissar

Narrow Strip Mill- Finishing Stand
& Inter- Stand Equipment
• Jindal Stainless, Hissar

Stand Tilter
• Hospet Steel, Hospet

Process Gas Ducting
• JSPL Barbil–Pallet Plant

Onboard Piping
Indurating Furnace
• JSPL Barbil-Pallet Plant

CLIENTELE FOR EQUIPMENT DESIGN

S.NO.	CLIENT NAME
1	Adhunik Metalik Ltd., Rourkela (Odisha)
2	A.R. Engineering Works, Delhi
3	Arora Iron & Ispat Rolling Mill Pvt. Ltd., Ludhiana (Punjab)
4	Amreli Steels Ltd., Karachi (Pakistan)
5	Aarti Steel Ltd., Cuttack (Odisha)
6	Chandan Steel Ltd., Umbergaon (Gujarat)
7	Danieli Corus, Delhi
8	Electrosteel Integrated Steel, Ranchi (Jharkhand)
9	Hindustan Coil Ltd., Raipur (Chhattisgarh)
10	Inertia Iron & Steel Pvt. Ltd., Raipur (Chhattisgarh)
11	Jagdamba Steel & Wire Pvt. Ltd., Nepal
12	Jayaswal Neco Industries Ltd., Raipur (Chhattisgarh)
13	Jindal Steel & Power Ltd., Raigarh (Chhattisgarh)
14	Jindal Steel & Power Ltd., Angul (Odisha)
15	Jindal Stainless (HISAR) Ltd., Hisar (Haryana)
16	JSW Steel Ltd., Salem (Tamil Nadu)
17	Kalika Steel Alloys Pvt. Ltd., Jalna (Maharashtra)
18	Kalyani Carpenter Special Steel Ltd., Pune (Maharashtra)
19	Kalyani Steel Ltd., Hospet (Karnataka)
20	Kathuria Roll Mill Pvt. Ltd., Ghaziabad (UP)
21	Mahindra Sanyo Special Steel Pvt. Ltd., Khopoli (Maharashtra)
22	Mukand Ltd., Kalwe (Mumbai)
23	Nav Bharat Engineering Works, Ghaziabad (UP)
24	P. P. Rolling Mill Mfg. Co. Pvt. Ltd., Faridabad (Haryana)
25	RMG Alloy Steel (Welspun Steel), Bharuch (Gujarat)
26	Shri Bajrang Power & Ispat Ltd., Raipur (Chhattisgarh)
27	SKS lspat & Power Ltd., Raipur (Chhattisgarh)
28	Sona Alloys Pvt. Ltd., Lonand (Maharashtra)
29	Sunflag Iron & Steel Co. Ltd., Nagpur (Maharashtra)
30	Star Wire Ltd., Ballabhgarh (Haryana)
31	Synergy Steel Ltd., Alwar (Rajasthan)
32	Suryadev Alloys & Power Pvt. Ltd., New Gummidipoondi (Tamilnadu)
33	Usha Martin Ltd., Jamshedpur (Jharkhand)
34	Upper India Steel Manufacturing & Engineering Co. Ltd., Ludhiana (Punjab)
35	Vardhman Special Steel Ltd., Ludhiana (Punjab)

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
A	**INDIAN CUSTOMERS**	
1	**JINDAL STEEL & POWER LTD., RAIGARH (CHHATTISGARH)** TEFR for 800,000 TPA Capacity 3760 mm wide Plate Mill.	AUG 2005
2	**SKS ISPAT LTD., SILTARA, RAIPUR (CHHATTISGARH)** TEFR for 1.0 MTPA Capacity Integrated Steel Plant	JUL 2006
3	**KAMACHI SPONGE & POWER CORPORATION LTD., CHENNAI (TAMILNADU)** TEFR for Induction Furnace based Steel Billets Plant and Rolling Mill for Rebars Capacity 100,000 TPA & Medium Structural Mill Capacity 100,000 TPA	AUG 2006
4	**RASHMI METALIKS LTD., KOLKATA (WEST BENGAL)** TEFR for Integrated Steel Plant with 200,000 TPA Capacity Plate Mill	JAN 2007
5	**OCL SPONGE IRON WORKS, RAIGARH (ODISHA)** TEFR for Expansion of Existing Facilities to 500,000 TPA Integrated Steel Plant	MAR 2007
6	**MAHINDRA UGINE STEEL CO. LTD., (KARNATAKA)** Feasibility Study for 500,000 TPA Capacity Integrated Steel Plant	APR 2007
7	**BEEKAY STEEL INDUSTRIES LTD., KOLKATA (WEST BENGAL)** TEFR for Expansion of Existing Plant to 300,000 TPA Capacity Integrated Steel Plant	MAY 2007
8	**SHRI BADRINARAIN ALLOYS AND STEELS LTD., KOLKATA(WEST BENGAL)** TEFR for 300,000 TPA Capacity Integrated Steel Plant	JUL 2007
9	**MSP STEEL & POWER LTD.,RAIGARH (CHHATTISGARH)** TEFR for 600,000 TPA Capacity Integrated Steel Plant	AUG 2007
10	**GOA MINERALS PVT. LTD., (GOA)** TEFR for 300,000 TPA Merchant Pig Iron Plant	DEC 2007
11	**VSL STEELS LTD., CHITRADURGA (KARNATAKA)** TEFR for Expansion Project for 300,000 TPA Capacity Integrated Steel Plant	JAN 2008

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
12	**NALWA STEELS & POWER LTD., RAIPUR (CHHATTISGARH)** TEFR for 200,000 TPA Medium Section Mill	MAY 2008
13	**ATIBIR INDUSTRIES COMPANY LTD., GIRDIHI(JHARKHAND)** TEFR for 300,000 TPA Capacity Coke Ovens and 15 MW Power Plant	MAY 2008
14	**JEWELS SEAMLESS LTD., INDORE (MADHYA PRADESH)** TEFR for 150,000 TPA Capacity Stainless Steel Wire Rod Mill	JUL 2008
15	**LARSEN & TOUBRO LTD., HAZIRA (GUJARAT)** TEFR for 100 T EAF Based Steel Melt Shop for Production of Nuclear Grade Steel Ingots to be Forged	AUG 2008
16	**BMA STAINLESS LTD., KOLKATA (WEST BENGAL)** TEFR for 300,000 TPA Capacity Integrated Steel Plant	SEP 2008
17	**SKIPPER STEELS LTD., ULUBERIA(WEST BENGAL)** TEFR for 1.0 MTPA Capacity Integrated Steel Plant based on Iron Ore Fines	SEP 2008
18	**BRAHMAPUTRA METALLICS PVT. LTD., RANCHI (JHARKHAND)** TEFR for 300,000 TPA Capacity Integrated Steel Plant	OCT 2008
19	**LAKSHMI STEEL INDUSTRIES PVT. LTD., LGNAPUR, PURULIA (WEST BENGAL)** TEFR for 300,000 TPA Capacity Integrated Steel Plant	JAN 2009
20	**HRG ALLOYS &STEELS PVT LTD., KOPPAL (KARNATAKA)** TEFR for 1.2 MTPA Pellet Plant, 2 x 350 TPD Sponge Iron Plant and 25 MW Power Plant	NOV 2009
21	**MAHALAXMI TMT PVT. LTD., WARDHA (MAHARASHTRA)** TEFR for setting up a 600,000 TPA TMT Rebar Mill as downstream facility at their existing works having an Iron Ore Beneficiation Plant, DRI Plant and Induction Furnaces based Steel Melt Shop	JUN 2010
22	**MADHAV ISPAT & ENERGY LTD., MANDI GOBINDGARH (PUNJAB)** TEFR for Induction Furnaces based 300,000 TPA capacity Steel Melt Shop	JUL 2010

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
23	**MONNET ISPAT & ENERGY LTD. , RAIPUR (CHHATTISGARH)** TEFR for 450,000 TPA Prefab. Shop planned to be set up at Raipur	JUL 2010
24	**THE SANDUR MANGANESE & IRON ORE LIMITED, BENGALURU (KARNATAKA)** TEFR for setting up on a Greenfield site an Integrated Steel Melt Shop (cap. 0.3 MTPA) and Rolling Mill with main production Units comprising 1 x 33 m^2 Sinter Plant, 02 MTPA Non-Recovery Type Coke Ovens, 1 x 350 m^3 MBF, 2 Strand Pig Casting Machine (800 TPD), 1 x 35 T Energy Optimizing Furnace, 1 x 35 T / 7 MVA LRF, 1 x 35 T VD Plant, a 6/11m Radius, 3-Strand Billet Caster, a Co-generation Power Plant Cap. 16 MW (6+10) using waste heat of MBF and Coke Ovens gases. Plant Location - Village Vijasan, Near Hospet, Karnataka	SEP 2010
25	**JAYASWAL NECO INDUSTRIES LIMITED, RAIPUR (CHHATTISGARH)** TEFR for 1.6 MTPA Pellet Plant with Beneficiation Plant to be set up at Siltara Raipur	DEC 2010
26	**CHINMAYA STEEL & POWER LTD., MUMBAI (MAHARASHTRA)** TEFR for upgradation of existing Pig Iron Plant near Dhanbad (Jharkhand) by increasing the volume of existing two (2) MBFs from 23 m^3 to 30 m^3 and installation of Alloy Steel making facilities, capacity 75,300 TPA	MAR 2011
27	**ABHISHEK TRANSTEEL LTD., HYDERABAD (TELANGANA)** TEFR for installation of 1 x 40 T / 32 MVA EAF, 1 x 40 T / 8 MVA LRF and a 3-strand 6 / 11m radius Billet Caster and One (1) 10" Rolling Mill, upgradation of existing 17" mill, 16"/10" Mill to enable increased production of 240,000 TPA of Rolled Products Comprising Flats, angles, channels, beams. The company works are located at Gundla, Pochampally, Medchal Mandal, R.R. Distt. A.P.	APR 2011
28	**SURYADEV ALLOYS & POWER PVT. LTD., CHENNAI (TAMILNADU)** TEFR for an Integrated Steel Plant for One (1) MTPA Hot Strip Mill to be set up at New Gummidipoondi, Distt. Taruvallur located at a distance of 50 km by Road from Chennai. The proposed Production route for the manufacture of HR Coils is EAF-LRF-VD-THIN SLAB CASTER- CSP Mill.	APR 2011
29	**RASHI STRIPS PRIVATED LIMITED, RAIPUR (CHHATTISGARH)** TEFR for 2.0 (1.2 + 0.8) MTPA Iron Ore Beneficiation Plants, 2 x 0.4 MTPA Pellet Plants, One (1) MTPA capacity DRI Plant, 0.76 MTPA EAF based SMS, 0.7 MTPA Rolling Mill, 0.3 MTPA Capacity Ductile Iron Pipe Plant, 60,000 TPA Ferro-Alloy Plant, 2.77 MTPA Coal Washery, 200 MW Captive Power Plant and 30 million Fly Ash Bricks.	MAY 2011

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
30	**JR STEEL INDUSTRIES (I) PVT. LTD., HOSUR (TAMILNADU)** TEFR for setting up an EAF based steel melt shop for production of 150,000 TPA Steel Billets comprising 1 x 30 T / 24 MVA EAF, 1 x 30 T / 6 MVA LRF, 1 x 30 T VD Plant, One (1) Billet Caster, 6/11m radius, 2 strand at a Green field site in Hosur (Tamil Nadu)	AUG 2011
31	**KALAWATI ISPAT & POWER PVT. LTD., RAIPUR (CHHATTISGARH)** TEFR for a 2.0 MTPA Integrated Steel Plant, the major Production Units to be installed and their capacities are as under - Iron Ore Beneficiation and Pellet Plants are proposed to be built in 2-Streams; Stream I capacities are 2 MTPA and 1.2 MTPA whereas in Stream II, the capacities are 4 MTPA and 2.4 MTPA respectively. The following Production Units are planned to be part of Stream I: Coal Washery capacity 1.2 MTPA, DRI Plants (2 x 500 TPD) capacity 0.3 MTPA, Non recovery type Coke - Oven. Plants (2 x 600,000 TPA), capacity 1.2 MTPA, Sinter Plant (1 x 140 m^2) capacity 1.3 MTPA, Blast Furnaces (2 x 1200 m^3) capacity 2 MTPA, Steel Melt Shop with annual capacity 2.0 MTPA comprising; BOF 2 x 110T, LRF 2 x 110T, VD Plant 1 x 110T, RH Degasser 1 x 110T, CCM 1 x 6 strand, 9 m radius, Wire Rod Mill 0.5 MTPA, CSP (H.R. Coil Mill) capacity 1.0 MTPA, Cold Rolling, Galvanizing & Color Coated lines capacity 0.3 MTPA ERW Pipes Plant capacity 0.3 MTPA, Seamless Pipes Plant capacity 0.2 MTPA , Spun Pipes Plant capacity 0.2 MTPA	JUL 2011

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
32	**ARYAN ISPAT & POWER PVT. LTD., RAIPUR (CHHATTISGARH)** TEFR for an Integrated Steel Plant; finished Product being 200,000 TPA, Rebars & Alloy Steel Bars. Following Production Units are proposed to be installed : 350 TPD DRI Plant Steel Melt Shop with 1 x 40 T EAF, 1 x 40 T LRF & 1 x 40 T VD Plant, One (1) Billet Caster radius 6 /11 m & 2 / 3 strands. Rolling Mill with 50 TPH Billet Reheating Furnace & fully Continuous Bar Rolling Mill. Producer Gas Plant 1 x 13,500 Nm^3 / hr Oxygen Plant 1 x 25 TPD Plant Site: Village Bomaloi, Tehsil Rangali, Distt. Sambalpur (Odisha)	OCT 2011
33	**MASS CORP LIMITED, PUNE (MAHARASHTRA)** The TEFR envisages setting up on Green field site an Integrated Steel Plant in 2-Phases. The end products to be produced in each phase are as given below: PHASE- I - End Products comprise; Tensile High Tensile TMT Bars 150,000 TPA High Tensile Angles for Electric Transmission Line Towers 75,000 TPA Channels & Beams 25,000 TPA Aggregate Capacity 250,000 TPA PHASE- II - End Products Hot Rolled Narrow Strip in Coils 250,000 TPA Width - 175 - 450mm Thickness - 1 - 5 mm	JAN 2012

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
34	**JINDAL STEEL & POWER LTD., RAIPUR (CHHATTISGARH)** TEFR for 7.0 MTPA expansion Project which has two (2) Production Stream as follows: Stream - I Pallet Plant (1 x 8.0 MTPA), Coal Gasifiers (600,000 Nm^3/hr), DRI Plants (Gas based) - 3 x 2 MTPA, EAF (2 x 250 T), LRF (2 x 250 T), VD (2 x 250 T), 3.5 MTPA Continuous Strip mill (comprising 2-Strands curved /vertical bend slab caster and downstream hot strip mill, Cold Rolling Mill 1 x 2.0 MTPA, 1 x 1.0 MTPA CGL Plant Stream - II 1 x 2.2 MTPA Coke Oven (Recovery Type), 1 x 650 m^2 Sinter Plant Cap. 1.66 MTPA, 1 x 3.85 MTPA BF, 2 x 250 T Desulphurization Units, 2 x 250 T BOF shop with 2 x 250 T LRFs, 2 x 250 T RH Top Degasser, 2 x 2 strand Slab Caster capacity 4.0 MTPA and a 4 MTPA Hot Strip Mill Common Facilities Oxygen Plant - 1 x 12,000 TPD Captive Power Plant-1 x 1320 MW WHR Power Plant - 3 x 25 MW using Waste Gases of DRI plant and 5 x 16 MW Cogen Plant from Gasification Units Lime &Dolomite Plant - 5,000 TPD Coal Conveyor - 50 km (Tomnar to Raigarh)	MAR 2012
35	**WOLKEM LIME LTD., UDAIPUR (RAJASTHAN)** TEFR for Lime, Calcined Dolomite and Hydrated Lime Plant to be set up at Kalinga Nagar (Jajpur Odisha) Plant of Jindal Stainless Steel Ltd. (JSL) on Build , Own and Operate (BOO) basis.	JUN 2012
36	**SARDA ENERGY & MINERALS LTD., RAIPUR (CHHATTISGARH)** TEFR for Debottlenecking, modernization and expansion of existing Production Facilities Debottlenecking at Steel Melt Shop, Ferro Alloys Plant, Pellet Plant, & Power Plant at Siltara, Raipur Modernization & upgradation of Iron Ore Beneficiation Plant (Dhruvatola) Ferro Alloy Plant (Raipur), Pellet Plant (Raipur), Railway Siding(Raipur) Capacity Expansion of Fly ash Brick Plant, Coal Mines and Coal Washery. Sponge Iron Plant (Raipur) and Wire Rod Mill (Raipur)	MAR 2012

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
37	**WELSPUN STEEL LTD., ANJAR (GUJARAT)** TEFR for 250,000 TPA TMT Rebar Mill as Downstream Development to the existing IF based Steel Melt Shop at Anjar, Distt. Kutch, Gujarat.	JUN 2012
38	**SUJANA METAL PRODUCTS LTD., HYDERABAD (TELANGANA)** Detailed Project Report (DPR) which envisages setting up an 800,000 TPA capacity Iron Ore Beneficiation and a 600,000 TPA capacity Pellet Plants at each of the two mining sites, one of which is at Sarajpuram (Distt. Kurnool) and another at Ongole in the state of Andhra Pradesh and one (1) MTPA Integrated Steel Plant at Kallmadi Distt. Anantpur (Andhra Pradesh). At Anantpur besides the Steel Plant, a Captive Power Plant of 160 MW capacity is also envisaged.	JUN 2012
39	**JINDAL SAW LIMITED, BHILWARA (RAJASTHAN)** TEFR for installation of 300,000 TPA IF based Steel Melt Shop and downstream captive TMT Rebar Mill.	AUG 2012
40	**SUJANA METAL PRODUCTS LTD., HYDERABAD (TELANGANA)** Detailed Project Report (DPR) which envisages setting up a 1.6 MTPA Iron Ore Beneficiation Plant and 600,000 TPA Pellet Plant at the mining site Sarjpuram, Distt. Kurnool and a 0.6 MTPA Integrated Steel Plant at Kallmadi Distt. Anantapur.	SEP 2012
41	**UPPER INDIA STEEL MFG. & ENGG COMPANY LTD., LUDHIANA (PUNJAB)** TEFR for Revamping the Equipment of existing Rolling Mill No. 1 (22"/18"), Rolling Mill No. 2 (20"/14"), and Rolling Mill No. 3 (16"/10"), Rolling Mill No. 4 (16"/14"/9") installed at the Focal Point, Ludhiana Factory and transferring the revamped Equipment for installation at an altogether new site around Ludhiana. The New Site will have only Two (2) Mills christened "Bar &Structural Mill" and "Profile Mill" with Production capacity of 6500 TPM and 700 TPM respectively. The Proposed two (2) mills production shall cover all the existing products sizes and steel grades produced and marketed by the company.	OCT 2012
42	**JAYASWAL NECO INDUSTRIES LTD., RAIPUR (CHHATTISGARH)** TEFR for 2nd Expansion Project for integrated Iron & Steel making facilities. The Project envisages expansion of steel making capacity by 0.7 MTPA at Raipur, installation of one (1) 1.2 MTPA Pellet Plant, Two (2) Nos. DRI Plants of cap 500 TPD each and captive 25MW waste heat recovery Power Plant at Bilaspur and upgradation of Steel making and Rolling facilities at newly acquired Rajindera steel at Raipur	OCT 2012

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
43	**KALPATARU LIMITED, MUMBAI (MAHARASHTRA)** TEFR for setting up 2 nos. Angle Rolling Mills for Angles used in Transmission Line Towers Rolling Mill No. 1 is designed for Rolling Angles in size range 40 x 40 mm to 90 x 90 mm in thickness range 5 mm to 12 mm. Rolling Mill No. 2 is designed for Rolling Angles in size range 100 x 100 mm to 200 x 200 mm in thickness range 6 mm to 25 mm. Each Mill capacity is 100,000 TPA. The Mills are proposed to be installed at their Tower Manufacturing Plant at Raipur (C.G.)	MAR 2013
44	**TOP WORTH URJA & METALS LIMITED, NAGPUR (MAHARASHTRA)** TEFR for 200,000 TPA Steel Melt Shop and Alloy Bar Mill to be set up at Promoters existing Plant Site at Mauza- UkkarWahi, Village - Hetiumred Road Distt. Nagpur, where a 60,000 TPA capacity Sponge Iron Plant and a 30 MW Power Plant are already in operation and hot trials for another Power Plant having 2 x 35 MW capacity generating units are being conducted.	APR 2013
45	**KALIKA STEEL ALLOYS PVT. LTD., JALNA (MAHARASHTRA)** TEFR for setting up a 250,000 TPA TMT Rebar Rolling Mill in a plot adjacent to their existing	MAY 2013
46	**DHRUVDESH META STEEL PVT. LTD. BENGALURU (KARNATAKA)** TEFR for setting up an EAF based Steel Melt Shop and a Rolling Mill for production of 120,000 TPA TMT Rebars and Special Steel Bars.	JUL 2013
47	**SONA ALLOYS PVT. LTD., LONAND (MAHARASHTRA)** TEFR for adding 1 x 33 m^2 Sinter Plant, modification of existing 320 m^3 MBF to increase its size to 415 / 420 m^3 and increasing the capacity of Steel Melt Shop by 470 TPD of Liquid Steel (155,100 TPA) by installation of 40 MVA Transformer with Electrode Regulation System on existing Steel making Furnace designed to operate using Oxygen like LO Converter; upgrading Material Handling facilities, Oxygen Plant, Supply & Distribution Systems for Electric Power, Water, Fuel etc.	OCT 2013
48	**AARTI STEELS LIMITED, CUTTACK (ODISHA)** TEFR for a 0.3 MTPA FERRO ALLOYS Manufacturing unit at their existing Integrated Steel Plant at Ghantikhal, Distt. Cuttack, Odisha	APR 2014
49	**BMA STAINLESS STEEL, MIHIJAM (JHARKHAND)** TEFR for setting up at Mihijam, Jharkhand an Induction Furnace based Steel Melt Shop and a Captive rolling Mill for production of 150,000 TPA TMT Rebars.	APR 2014

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
50	**INFINITI METAL PRODUCTION LTD., ANANTAPUR (ANDHRA PRADESH)** Detailed Project Report (DPR) for setting up 3.6 MTPA Beneficiation Plant and 1.2 MTPA Pellet Plant in Kurnool (AP) and 0.8 MTPA Integrated Steel Plant at Kallmadi, District Anantapur (A.P.)	APR 2014
51	**DHRUVDESH META STEEL PVT. LTD., KOPPAL (KARNATAKA)** TEFR for an Integrated Steel Plant comprising steel making through Induction Furnaces Route and Hot Rolling Mill for production of 70,000 TPA TMT Rebars at their existing works in District Koppal– Karnataka.	MAY 2014
52	**KNK CORP PRIVATE LIMITED, BAGALKOT (KARNATAKA)** TEFR for a 2.3 MTPA Beneficiation Plant and a 1.2 MTPA Pellet Plant at Bagalkot, Karnataka.	JUN 2014
53	**JINDAL STAINLESS LTD., JAJPUR (ODISHA)** TEFR for Installation of Facilities for Production of One (1) MTPA Carbon Steel grades Hot Rolled Steel Strip in Coils at their existing steel works at Kalinga Nagar, Jajpur, Odisha.	JUN 2014
54	**THE SANDUR MANGANESE &IRON ORE LIMITED, HOSPET (KARNATAKA)** Detailed Project Report (DPR) for an Integrated Steel Plant, Capacity 0.5 MTPA (expandable to 1.0 MTPA) at Vyasnakere, near Hospet, Karnataka.	SEP 2014
55	**SYNERGY STEELS LTD., ALWAR (RAJASTHAN)** TEFR for setting up a 100,000 TPA Stainless Steel Wire Rod Mill at ALWAR (Rajasthan).	SEP 2014
56	**MAA MAHAMAYA INDUSTRIES LTD., ANDHRA PRADESH** Techno-Economic Feasibility Report (TEFR) for Steel Melt Shop and Rolling Mill to manufacture 115,000 TPA of medium to heavy sections.	JUN 2016

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
57	**THE SANDUR MANAGNESE & IRON ORE LTD. (SMIORE) HOSPET, (KARNATAKA)** Detailed Project Report (DPR) for 0.5 MTPA Integrated Steel plant (expandable to 1.0 MTPA). The proposed production facilities are; Coke Oven Plant – 1 x 0.4 MTPA Sinter Plant – 1 x 50m^2 Blast Furnace – 1 x 80m^3 Oxygen Plant – 1 x 100 TPD Energy Optimizing Furnace – 1 x 35T Ladle Refining Furnace – 1 x 35T Continuous Casting Machine – 1 x 9/16m radius 4-strand Rebar Mill – 1 x 500,000 TPA Captive Power Plant – 1 x 32 MW	AUG 2016
58	**JINDAL URBAN WASTE MANAGEMENT (VISAKHAPATNAM) LIMITED** Detailed Project Report (DPR) for setting up 1 x 15 MW, Municipal Solid Waste (MSW) to Energy Facility, at Visakhapatnam (Andhra Pradesh). The project comprises 2 x 600 TPD Boiler, 1 no. Steam Turbine Generator of 15 MW and 1 no. Air Cooled Condenser .The Project will process Municipal Solid Waste (MSW) received from areas under Greater Visakhapatnam Municipal Corporation (GVMC). The Project will have Material Recovery Facility with design capacity of 1620 TPD of MSW.	NOV 2016
59	**JAI RAJ ISPAT LTD., HYDERABAD (TELANGANA)** Techno-Economic Feasibility Report (TEFR) for 0.7 MTPA Integrated steel plant to manufacture 560,000 TPA of TMT Rebar and 89,000 TPA of Pig Iron	JAN 2017
60	**JINDAL URBAN WASTE MANAGEMENT (JAIPUR) LIMITED** Detailed Project Report (DPR) for setting up 1 x 12 MW Municipal Solid Waste (MSW) to Energy Facility at Jaipur (Rajasthan). The project comprises 2 x 450 TPD Boiler, 1 no. Steam Turbine Generator of 12 MW and 1 no. Air Cooled Condenser. Project will process Municipal Solid Waste (MSW) received from the areas under Nagar Nigam Jaipur (NNJ). The project will have Material Recovery Facility for segregation of MSW to produce Residue Derived Fuel (RDF) with design capacity of handling 900 TPD of MSW.	JUN 2017

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
61	**JINDAL URBAN WASTE MANAGEMENT (JODHPUR) LIMITED** Detailed Project Report (DPR) for setting up 1 x 6 MW Municipal Solid Waste (MSW) to Energy Facility at Jodhpur (Rajasthan). The project comprises 1 x 450 TPD Boiler, 1 no. Steam Turbine Generator of 6MW and 1 no. Air Cooled Condenser. Project will process Municipal Solid Waste (MSW) received from the areas under Jodhpur Municipal Corporation (JMC). The Project will have Material Recovery Facility for segregation of MSW to produce Residue Derived Fuel with design capacity of handling 600 TPD of MSW.	JUN 2017
62	**SARDA METAL AND ALLOYS LTD., VISHAKHAPATNAM (ANDHRA PRADESH)** Techno-Economic Feasibility Report (TEFR) for 300,000 TPA Steel Melt Shop and Rebar Rolling Mill. Main Production facilities are as below: SMS – 4 x 22T Induction Furnace, 3-Strand 6/11m Caster Bar Mill – 0.3 MTPA Continuous Mill for Rebar	AUG 2017
63	**JINDAL URBAN WASTE MANAGEMENT (GUNTUR) LIMITED** Detailed Project Report (DPR) for setting up 1 x 15 MW, Municipal Solid Waste (MSW) to Energy Facility, at Guntur (Andhra Pradesh). The project comprises 2 x 600 TPD Boiler, 1 no. Steam Turbine Generator of 20 MW and 1 no. Air Cooled Condenser. The Project will process Municipal Solid Waste (MSW) received from nine Urban Local Bodies (ULBs) in Guntur Cluster. MSW receipt, storage and segregation facility will have a design capacity Of 1650 TPD of MSW.	MAY 2018
64	**JINDAL URBAN WASTE MANAGEMENT (TEHKHAND) LIMITED, DELHI** Detailed Project Report (DPR) for setting up 1 x 25 MW Municipal Solid Waste (MSW) to Energy Facility at Tehkhand (Delhi). The project comprises 2 x 600 TPD Boiler, 1 no. Steam Turbine Generator of 30 MW and 1 no. Air Cooled Condenser. Project will process Municipal Solid Waste (MSW) received from South Delhi Municipal Corporation at the doorstep of the facility. The Project will have Material Recovery Facility with handling capacity of 2400 TPD of MSW.	MAY 2018

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
65	**JINDAL URBAN WASTE MANAGEMENT (AHMEDABAD) LIMITED** Detailed Project Report (DPR) for setting up 1 x 15 MW Municipal Solid Waste (MSW) to Energy Facility at Ahmedabad (Gujarat). The project comprises 2 x 450 TPD Boiler, 1 no. Steam Turbine Generator of 15 MW and 1 no. Water Cooled Condenser. Project will process Municipal Solid Waste (MSW) received from Ahmedabad Municipal Corporation at the doorstep of the facility. The Project will have Material Recovery Facility with design capacity of 1100 TPD of MSW.	JUN 2018
66	**JINDAL URBAN WASTE MANAGEMENT (TIRUPATI) LIMITED** Detailed Project Report (DPR) for setting up 1 x 6 MW Municipal Solid Waste (MSW) to Energy Facility at Tirupati (Andhra Pradesh). The project comprises 1 x 450 TPD Boiler, 1 no. Steam Turbine Generator of 6MW and 1 no. Air Cooled Condenser. Project will process Municipal Solid Waste (MSW) received from six Urban Local Bodies (ULBs) in Chittoor Cluster with Municipal Corporation of Tirupati as lead ULB. MSW receipt, storage and segregation facility will have a design capacity of 650 TPD of MSW.	JUN 2018
67	**JINDAL URBAN WASTE MANAGEMENT (OKHLA) LIMITED, DELHI** Detailed Project Report (DPR) for upgrading to 40 MW Municipal Solid Waste (MSW) to Energy Facility at Okhla (Delhi). The expansion project comprises 1 x 450 TPD Boiler, 1 no. Steam Turbine Generator of 20MW and 1 no. Air Cooled Condenser. Existing Project will process additional Municipal Solid Waste (MSW) received from South Delhi Municipal Corporation at the doorstep of the facility. MSW receiving and pre-processing Facility will have a design capacity of 1950 TPD of MSW.	AUG 2018
68	**MUKAND SUMI METAL PROCESSING LTD. THANE, MUMBAI (MAHARASHTRA)** Techno Economic Feasibility Report (TEFR) for relocation of equipment from Bright Bar Division and Coil Finishing Division of Mukand Ltd., Kalwe to the new site at Hospet (Karnataka) Project consist of shifting machines, their auxiliaries, furnaces and inspections equipment to the new site at Hospet and supplementing the same with new additional equipment for Bright-Bars and pickled, annealed & drawn wire rod coils in carbon and Alloy steel grades.	SEP 2019

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
B	**FOREIGN CUSTOMERS**	
1	**AMRELI STEELS PVT. LTD., KARACHI (PAKISTAN)** TEFR for 300,000 TPA capacity Rebar Mill	JUL 2005
2	**MUKALLA IRON & STEEL CO., YEMEN** TEFR for Induction Furnace based 75,000 capacity Steel Billet Plant & 150,000 TPA capacity Rebar &Light Structural Mill	JUL 2005
3	**GEO STEELS LLC, GEORGIA** TEFR for 200,000 TPA capacity EAF based Steel Melt Shop & 180,000 TPA Rebar Mill	MAR 2007
4	**MUKALLA IRON & STEEL CO., YEMEN** TEFR for 300,000 TPA capacity Rebar & Light Structural Mill	APR 2007
5	**PLATINUM CORPN. FZE, DUBAI (UAE)** TEFR for 260,000 TPA, Induction Furnaces based SMS and a 250,000 TPA TMT Rebar Mill to be set up in Agbara-Ogun State, Nigeria	DEC 2010
6	**MOHAMMAD OBEYD AL-QAHTANI EST-DAMAM, SAUDI ARABIA** TEFR for One (1) MTPA EAF based SMS and 0.5 MTPA TMT Rebar Mill. Plant location Green Field Site in Jubail, Saudi Arabia	NOV 2011
7	**ZAMIN AMAPA LIMITED, BRAZIL** TEFR for an Integrated Steel Plant in the state of Amapa with final product being TMT Rebars - capacity 0.5 MTPA Phase – I This Phase envisages production of Pig Iron @ 548,800 TPA in Foundry and Basic Steel making grades Phase – II Setting up of Steel Making and Rolling Facilities are envisaged. The Phase II Production Facilities are scheduled to come into operation after consolidation period of Twenty (20) months Operation of Phase I Production Facilities.	APR 2013

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
8	**MAGANGA MATITU RESOURCES DEVELOPMENT LTD. TANZANIA** Techno Economic Feasibility Report for 0.3 MTPA Integrated Steel Plant with Iron ore and Coal beneficiation facilities, 1 x 30 MW and 3 x 35 MW Power Plants. Production facilities are to be set up at 3 split locations	SEP 2013
9	**GEO STEEL LLC, GEORGIA** TEFR for 28,000 TPA Ferro Alloy Plant in Georgia.	APR 2014
10	**PLATINUM DEMIR CELIK SANAYI TICARET ANONIM SIRKETI, TURKEY** TEFR for setting up a 0.3 MTPA TMT Rebar Mill as downstream facility at their existing Induction Furnace based Steel Melt Shop.	APR 2014
11	**GEO STEEL LLC, GEORGIA** TEFR for adding Wire Rod Line on downstream of their existing TMT Rebar Mill of Capacity 175,000 TPA.	JUN 2014
12	**AMRELI STEELS (PVT) LTD., KARACHI (PAKISTAN)** TEFR for installation of 300,000 TPA (expandable to 400,000 TPA) Rolling Mill on downstream of their existing Steel Melt Shop Complex at Dhabeji for production of high strength Steel Reinforcement Bars.	JUN 2014
13	**EMART DZAYER STEEL, DUBAI, UAE** Detailed Project Report (DPR) for 1.0 Million Tone Integrated Plant in Algeria. Main Items of Production Equipment consisting of the following: Phase-I 2 x 1.25 MTPA Gas based DRI Modules 2 x 70 T EAF / 2 x 70 T LRF / 1 x 70 T RH Degasser 1 x 4 Strand Combi-Caster for Beam Blanks & Blooms 1 x 3/4 Strand Alloy Steel Billet & Bloom Caster 1.0 MTPA Rail & Medium to Heavy Section Mill Phase-II Iron Ore Mining, Beneficiation Plant, 4.2 MTPA Pellet Plant.	OCT 2016

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
14	**MONTEGO HOLDINGS, NIGERIA** Techno Economic Feasibility Report (TEFR) for 0.5 MTPA Steel Melt Shop and Rebar Plant. The main production facilities proposed are 1 x 80T/80MVA Electric Arc Furnace 1 x 80T/16MVA Ladle Refining Furnace 1 x 4 Strand, 6/11m Radius Caster 0.5 MTPA Fully Continuous Rebar Mill	FEB 2017
15	**LIBERTY STEEL (PRIVATE) LTD., KARACHI (PAKISTAN)** Techno Economic Feasibility Report (TEFR) for Steel Melt Shop and Rolling Mill to manufacture 300,000 TPA of TMT Rebars. Main production facilities proposed are: 3 x 30T/12 MW Induction Furnaces; 1 x 30T/6MVA Ladle Refining Furnace; 1 x 3 Strand 6/11m radius Continuous Casting Machine; Direct Rolling with 18 nos. Housing-less 2-Hi Mill Stands arranged in continuous H-V Configuration. Rolling Mill arranged in H-V Configuration.	JUL 2017
16	**NAVEENA STEEL MILL (PRIVATE) LTD., PAKISTAN** Techno Economic Feasibility Report (TEFR) for Steel Melt Shop and Rolling Mill to manufacture 200,000 TPA of TMT Rebars. Main production facilities are; 3 x 20T/8 MW Induction Furnaces 1 x 20T/4 MVA Ladle Refining Furnace 1 x 2 Strand Continuous Casting Machine Direct Rolling Mill with 18 nos. housing-less 2-Hi Mill stands arranged in continuous H-V configuration.	NOV 2017

TECHNO - ECONOMIC FEASIBILITY REPORTS (TEFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
17	**KAM INDUSTRIES (NIGERIA) LTD., NIGERIA** Techno-Economic Feasibility Report (TEFR) for 100,000 TPA Small to Medium Section Rolling Mill. The main production facilities are; 2 x 20 T / 8 MW Induction Furnaces 1 x 25 T / 5 MVA Ladle Refining Furnace 1 x 2 Strand, 6 / 11 m Radius Caster Ten (10) stand (1+9) Semi-Continuous Section Rolling Mill	JAN 2018
18	**MIRPURKHAS SUGAR MILLS LTD., PAKISTAN** Techno-Economic Feasibility Report (TEFR) for adding a Steel Facility to manufacture 200,000 TPA of TMT Rebars utilizing surplus power. The main production facilities are; Steel Melt Shop: 3 x 15 T / 6 MW Induction Furnaces 1 x 15 T / 6 MW Induction Furnace (Future) 1 x 15 T / 3 MVA Ladle Refining Furnace 1 x 2 Strand, 6 / 11 m Radius Continuous Casting Machine 200,000 TPA Direct Rolling Mill with 18 Nos. housing less 2-Hi Mill Stands in Continuous H-V Configuration.	MAY 2018
19	**PSRM STEELS (PVT.) LTD., PAKISTAN** Techno-Economic Feasibility Report (TEFR) for Steel Melt Shop and Rolling Mill to manufacture 156,000 TPA of TMT Rebars in two phases. Phase-I : 1 x 25 T Induction Furnace, 2 Strand 6 /11 Caster, 150,000 TPA Semi-continuous Rolling Mill Phase-II : 1 x 25 T Induction Furnace	FEB 2019

PRE-FEASIBILITY REPORTS (PFR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
A	**INDIAN CUSTOMERS**	
1	**RSB METALTECH PVT. LTD., BHUBANESWAR (ODISHA)** Pre-Feasibility Study for 600,000 TPA Capacity Integrated Alloy Steel Plant	MAY 2008
2	**THE SANDUR MANGANESE & IRON ORES LTD., HOSPET (KARNATAKA)** Pre-Feasibility Study for setting up on Greenfield site a 250,000 TPA Integrated Steel Plant Near Hospet (Karnataka) comprising: A 250 m^3 MBF, matching capacity Sinter Plant, EAF based SMS with VD Plant, Billet Bloom Caster and Cogeneration Power Plant.	MAR 2010
3	**UTTAM GALVA, MUMBAI (MAHARASHTRA)** Pre-Feasibility Report for installation of 300,000 TPA Narrow Hot Strip Mill with captive EAF based Steel Melt Shop in Saudi Arabia	APR 2011
4	**KALYANI STEELS LTD, PUNE (MAHARASHTRA)** Pre-Feasibility Study for setting up a 0.5 MTPA EAF based Steel Melt Shop in the state of Madhya Pradesh with following Production Units : Iron Ore Beneficiation Plant Capacity 1.7 MTPA Iron Ore Pellet Plant Capacity 0.8 MTPA, DRI Plants (1 x 500 TPD) Capacity 0.15 MTPA, Coal Washery (300 TPH) Capacity 1.73 MTPA, MTPA Steel Melt Shop comprising - EAF 2 x 60 T, LRF 2 x 60T, VD/VOD Plant 1x 60T; and Power Plant 14.4 MW.	OCT 2011
5	**INDIAN METALS & FERRO ALLOYS LTD, BHUBANESWAR (ODISHA)** Pre-Feasibility Study for 230,000 TPA stainless steel slabs Plant (As Downstream Development of Ferro Chrome Plant)	APR 2013
6	**ALOKE STEEL INDUSTRIES PVT. LTD., RAMGARH (JHARKHAND)** Pre-Feasibility Report (PFR) for expansion of existing Sponge Iron Unit with addition of 18MW Power Plant, 108,000 TPA Steel Melt Shop, 90,000 TPA Rebar Rolling Mill and Iron Ore Crushing & Beneficiation Facility.	FEB 2016

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
7	**AGARWAL SPONGE & ENERGY PVT. LTD., KARNATAKA** Pre-Feasibility Report (PFR) for Expansion of existing 90,000 TPA Sponge Iron Unit with additions of a 350 TPD DRI KILN WITH WASTE HEAT RECOVERY BOILER. 600,000 TPA Steel Melt Shop & 600,000 TPA Hot Strip Mill	JUN 2018
8	**NALWA STEEL & POWER LTD., RAIGARH (CHATTISHGARH)** Pre-Feasibility Report (PFR) for obtaining environmental clearance for 9 Nos. Submerged Arc Furnaces (SAF'S) to manufacture Ferro Alloys.	OCT 2018
9	**AARTI STEELS LTD., LUDHIANA (PUNJAB)** Pre-Feasibility Report (PFR) for obtaining environmental clearance for expansion of the existing Steel Melt Shop & steel wire division and setting up of a now Alloy Steel Rolling Mill.	NOV 2018
10	**NEO METALIKS LTD., KOLKATA (WEST BENGAL)** Pre-Feasibility Report (PFR) for obtaining environmental clearance for up-gradation of existing production units and additional facilities to create 0.6 MTPA capacities. Following up-gradation and additional new production units are proposed. Upgradation of existing 215m^3 Blast Furnace to 450m^3 Upgradation of existing 33m^2 Sinter Plant to 75m^2 Addition of 2 x 350 TPD DRI Kilns A new Steel Melt Shop Two new Rolling Mill A new 35 MW Power Plant	JAN 2019
11	**ARJAS STEEL PVT. LTD., TADIPATRI (ANDHRA PRADESH)** Pre-Feasibility Report (PFR) for Settling up of following facilities in their existing plant. Heat Treatment facilities for Alloy Steel Bars. New Bright Bar Project for Production of Bright Bars @1500T/month 2nd LRF, 35MT Capacity at existing Steel Melt Shop	SEP 2019

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
12	**VARDHMAN SPECIAL STEELS LTD., LUDHIANA (PUNJAB)** Pre-Feasibility Report (PFR) for up-gradation and expansion to 280,000 TPA Rolled Products Capacity	SEP 2019
13	**SEVEN STAR STEELS LTD., JHARSUGUDA (ODISHA)** Pre-Feasibility Report (PFR) For Expansion of existing plant with addition of 2 x 350 TPD DRI Kilns with WHRB Boilers 172,000 TPA Steel Melt Shop 200,000 TPA Rolling Mill	NOV 2019
B	**FOREIGN CUSTOMER**	
1	**MUKALLA IRON & STEEL CO. LTD., YEMEN** Pre-Feasibility Study for relocating Misc. Fixed Assets. Installed Capacity – 150,000 tons/year of Billet; and – 350,000 tons/year of TMT Rebar. Manufacturing facilities consist of: Induction Furnace – 2 x 18 T Ladle Refining Furnace – 1 x 20 T Caster – 2 strand, 6/11m radius Rolling Mill – 16 stands in horizontal - vertical & continuous configuration.	MAR 2015

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
A	**INDIAN CUSTOMER**	
1	**SUNFLAG IRON & STEEL CO. LTD, NAGPUR (MAHARASHTRA)** Technical Due Diligence Report for existing plant of **ADHUNIK METAILKS LTD** at Sundargardh, Odisha. Plant Production Facilities are; Coal Washery with crushing & sizing facility; DRI Plant (Coal based); Coke Ovens (Partial Recovery Type); Sinter Plant (Circular Type); Blast Furnace – 262 m^3 Steel Melt Shop – EAF & IF based Rolling Mills for Rounds/RCS/Rebar Ferro Alloy Plant Oxygen Plant Power Plant – 34 MW	DEC 2017
B	**FOREIGN CUSTOMERS**	
1	**ZAMIN ADVISORS LTD., LONDON (UK)** Due Diligence Report for assessment of the Production Potential and Economic Viability of operating 1.3 MTPA Integrated Steel Plant of **PERWAJA STEEL** located at Kemaman, Terengganu, Malaysia.	APR 2014
2	**ZAMIN AMAPA LTD., BRAZIL** Techno Economical Due Diligence Report for 0.5 MTPA Pig Iron Plant of **USINA SIDERURGICAL DO PARA (USIPAR).** Manufacturing facilities consist of: 2 x 25 m^2 Circular Sinter Machines – 0.800 MTPA 2 x 320 m^3 Blast Furnaces – 0.504 MTPA 4 Line of Pig Casting Machines – 0.500 MTPA	MAY 2015

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
3	**GEOSTEEL LLC, GEORGIA** Technical Due Diligence Report for Existing Plant of Ind **Synergy Ltd** at **Raigarh (Chhattisgarh).** The plant production facilities are as below: DRI Plant – 3 x 350 TPD Coal Washery – 200 TPD Steel Melt Shop – 5 x 6T Induction Furnaces, 1 x 12T Induction Furnace, 2 Strand 4/7m Caster Pig Iron plant – 36 m^2 Sinter Plant, 260 m^3 Blast Furnace Power Plant – 3 x 3MW, 1 x 10MW	MAY 2017
4	**LIBERTY HOUSE GROUP, LONDON** Technical Due Diligence Report for Existing Plant of **BHUSHAN POWER & STEEL LTD.**, at Jharsuguda (Odisha) with Consultants Proposals for Optimizing Plant Capacity to the Maximum Possible Potential. BPSL is having an Integrated Steel Plant of 3.0 MTPA and with Consultants suggestions, the company shall increase its capacity from present 3.0 MTPA to 4.0 MTPA**.**	MAY 2018

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
A	**INDIAN CUSTOMERS**	
1	**MODI STEEL INDIA LTD., MODINAGAR (U.P.)** Technical Audit Report for Restarting Wire Rod Mill	MAY 2008
2	**TATA STEELS LTD. (WRM WEST) TARAPUR** Technical Viability Report for rolling 150 x 150 mm Billet in place of 130 x 130 mm Billet being rolled presently. The Report identifies the existing equipment to be replaced, new equipment to be added and modification of existing equipment, Rolling Schemes to be adopted. The estimates of Capital Cost to be incurred and implementation schedule for carrying out the various proposals are presented.	JUN 2011
3	**VARDMAN SPECIAL STEELS LTD., LUDHIANA (PUNJAB)** Report on Productivity improvement through Technological upgradation of the existing steel melt shop, equipment comprising 1 x 30 T / 20 MVA EAF, 1 x 30 T / 5- 6 MVA LRF, 1 x 30 T VD Plant, One (1) 2 strand, 9/16 m radius Billet/ Bloom Caster	JAN 2013
4	**JINDAL STAINLESS LIMITED, KALINGANAGAR, JAJPUR (ODISHA)** Asset Allocation Study Report The objective of making the study report is to assess the feasibility of separating the physical assets and operation of the units proposed to be hived off in a coordinated manner and identify the physical assets associated with the facilities to be hived off; both exclusive as well as shared assets which are located within Kalinganagar works.	MAR 2013
5	**SLR METALIKS LIMITED, HOSPET (KARNATAKA)** Report on Viability and Product mix studies for Expansion of existing Iron Making facilities	JUN 2013
6	**SHREE SANYEEJI STEEL & POWER LIMITED, BANKURA (WEST BENGAL)** Valuation of Company's existing plant's assets installed today of which major production equipment consisted of 4 x 15 t Cap. Induction Furnaces (Electrotherm) and 1 x 6/11 m, radius Billet Caster with 3 strand (Eighty Eight (88) crores); recommending additional Plant equipment/ facilities and auxiliary services costing Rupees Fifty One (51) crores to make the Plant operations economically viable to enable Term Loan lending Banks restructure the existing Term Loans, meet the requirement of additional Term Loan for additionally suggested Plant machinery and equipment and also working capital requirements.	JUN 2013

TECHNO - ECONOMIC VIABILITY REPORTS (TEVR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
7	**JAYASWAL NECO INDUSTRIES LTD., RAIPUR (CHHATTISGARH)** TEVR for backward integration of Iron making facilities for existing integrated Steel plant comprising: 1 x 96 m^2 Sinter Plant - capacity 1.3 MTPA A 350,000 TPA Heat Recovery Type Coke Oven 1 x 750 m^3 Blast Furnace - capacity 0.735 MTPA of Hot Metal 1 x 75T EAF based SMS complete with LRF, VD / VOD & AOD Plants and 12m rad, 4 strand CCM Producer Gas Plant for existing 1.2 MTPA Pellet Plant 18 MW capacity (WHRB) Power Plant and other Auxiliary Facilities comprising Torpedo Ladle Cars for Hot Metal Transportation; Raw Material Handling facilities, Electric Power, Water & other Utility services for the above mentioned new Production Units proposed to be installed.	AUG 2013
8	**SBI CAPITAL MARKETS LIMITED** Techno-Economic Viability Study for taking over of the Orissa Sponge Iron & Steel Ltd's Plant located at Palaspanga, District Keonjhar, Odisha.	SEP 2014
9	**MONNET ISPAT & ENERGY LIMITED** Techno- Economic study of the Investments made by MIEL for Production Facilities and Power Plants at their existing works located at Raipur, Raigarh and Angul. The study involved: Capacity Assessment Balance Useful life; and Profitability of operating the various Production Facilities and Power Plants.	DEC 2014
10	**LOTUS-AUTO ENGINEERING LTD., BHIWADI (RAJASTHAN)** Techno Economic Viability (TEV) Study for strategies to utilize full installed capacity. The purpose of this study is the formulation of suitable strategies to first test the capabilities of the unit and then to utilize full installed capacity along with the Techno Economic Viability of the proposal.	MAY 2015

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
11	**STRIDE AUTOPARTS LTD., BHIWADI (RAJASTHAN)** Techno Economic Viability (TEV) Study for strategies to utilize full installed capacity. The purpose of this study is the formulation of suitable strategies to utilize full installed capacity along with the Techno-Economic Viability of the proposal.	MAY 2015
12	**OCL IRON & STEEL LTD., ODISHA** Techno-Economic Viability (TEV) Study for the Existing Facilities i.e.; 3 x 12T Induction Furnaces; 1 x 15T Ladle Refining Furnace; 1 x 2 - Strand, 6/11m radius Billet Caster; 4 x 100 TPD DRI Kilns; 14 MW Power Plant; With addition of; 2 x 350 TPD DRI Kilns; 70 MW Power Plant; and 100,000 TPA Rolling Mill;	AUG 2016
13	**STATE BANK OF INDIA, RAIPUR (CHHATTISGARH)** Techno-Economic Viability (TEV) Report for flexible structuring of the debt facilities of **SKS ISPAT & POWER LTD. RAIPUR PLANT**. Main Production facilities are as below: Sponge Iron Unit – 270,000 TPA Steel Melt Shop – 331,500 TPA Rolling Mill – 384,000 TPA Power Plant – 85 MW Ferro Alloy Plant – 2 x 9 MVA Oxygen Plant & N_2 Plant – 170 Nm^3/Hr Brick Plant – 18,000 Nos. per day	JUL 2017

TECHNO - ECONOMIC VIABILITY REPORTS (TEVR)

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
B 1	**FOREIGN CUSTOMERS** **PLATINUM CORPORATION FZE, DUBAI** Techno-Economic Viability Study for Restarting Integrated Steel Plant of **Delta Steel Company** at **Wari, Nigeria**. The plant is designed for Steel Billet Production Capacity of 0.96 MTPA and Steel Rebars 0.3 MTPA.	JUN 2014
2	**PREMIUM STEEL AND MINES LTD. – DELTA STEEL COMPANY, NIGERIA** Technical Assessment of the Assets with estimated cost for repair or replacement of unsuitable, irrepairable and missing items of equipment as listed below: Pellet Plant – 1 x 1.45 MTPA DR Plant – 1.0 MTPA (2 Modules) EAF – 1.0 MTPA (4 x 100T EAFs) CCM – 0.96 MTPA (3 Sets x 5m radius x 6 Strands) RHF – 85 TPH Rolling Mill – 0.3 MTPA - 18 Stands, Fully Continuous	MAY 2015
3	**BALASORE ALLOYS LIMITED** Techno Economic Valuation (TEV) Study report for **Integrated Steel Plant in Myanmar**. The facilities are; Gas based DRI Plant – 45,000 TPA Steel Melt Shops – 400,000 TPA Hot Strip Mill – 350,000 TPA Cold Rolling Complex – 150,000 TPA having Pickling Line, Cold Rolling, Galvanizing Line, Color Coating, Cut to Length and Profiling etc. ERW Plant – 160,000 TPA Flexible Mill for Bar, Section & rails – 380,000 TPA Rail Mill – 420,000 TPA	AUG 2017

ASSIGNMENTS AS LENDER'S INDEPENDENT ENGINEERS

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
A	**INDIAN CUSTOMERS**	
1	**MONNET ISPAT AND ENERGY LIMITED** Appointment of Lender's Engineer for Expansion Project of 1.5 MTPA Integrated Steel Plant. Bank – Oriental Bank of Commerce & Indian Bank.	MAR 2011
2	**RATHI SUPER STEEL LTD., GHAZIABAD** Appointment of Lender's Engineer for SWRL Project. Bank – Dena Bank	FEB 2012
3	**ORISSA SPONGE IRON & STEEL LTD. (OSIL)** Appointment of Lender's Engineer for Valuation of Different Assets. Bank – SBI Capital Markets Limited.	DEC 2014
4	**JAYASWAL NECO INDUSTRIES LIMITED** Appointment of Lender's Engineer for 3 Nos. Specific Capex Schemes Bank – Punjab National Bank	FEB 2014
5	**AARTI STEEL LIMITED** Appointment of Lender's Engineer for Rolling Mill Project at Cuttack. Bank – HDFC Bank Limited and Corporation Bank Limited.	OCT 2018

PROJECT PROFILE REPORTS

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
A	**INDIAN CUSTOMERS**	
1	**KALYANI STEEL LTD., PUNE (MAHARASHTRA)** Project Profile for 3 MTPA Integrated Steel Plant to be set up in Madhya Pradesh	OCT 2010
2	**HERO CYCLES LTD., LUDHIANA (PUNJAB)** Technical Report for optimum utilization of existing equipment of the Cold Rolling Mill Division and Proposals for additional Balancing facilities in various sections to increase overall Productivity	NOV 2010
B	**FOREIGN CUSTOMER**	
1	**MISR STEEL FOR IRON INDUSTRIES** Proposal for Up-gradation of Rolling Mill at **ABOU RAWASH INDUSTRIAL AREA, GIZA, EGYPT.** Planning to increase its capacity up to 750,000 TPA by installation of a New modern Rolling Mill and upgrading the existing Rolling Mill	APR 2016

MARKET SURVEY REPORTS

Sl. No	NAME OF THE CUSTOMER AND CONTENTS OF THE REPORT	COMPLETED
A	**INDIAN CUSTOMER**	
1	**KAMINENI STEEL & POWER INDIA PVT. LTD., HYDERABAD (TELANGANA)** Market Survey for Alloys & Special Steel billets and Rolled products.	JUL 2016

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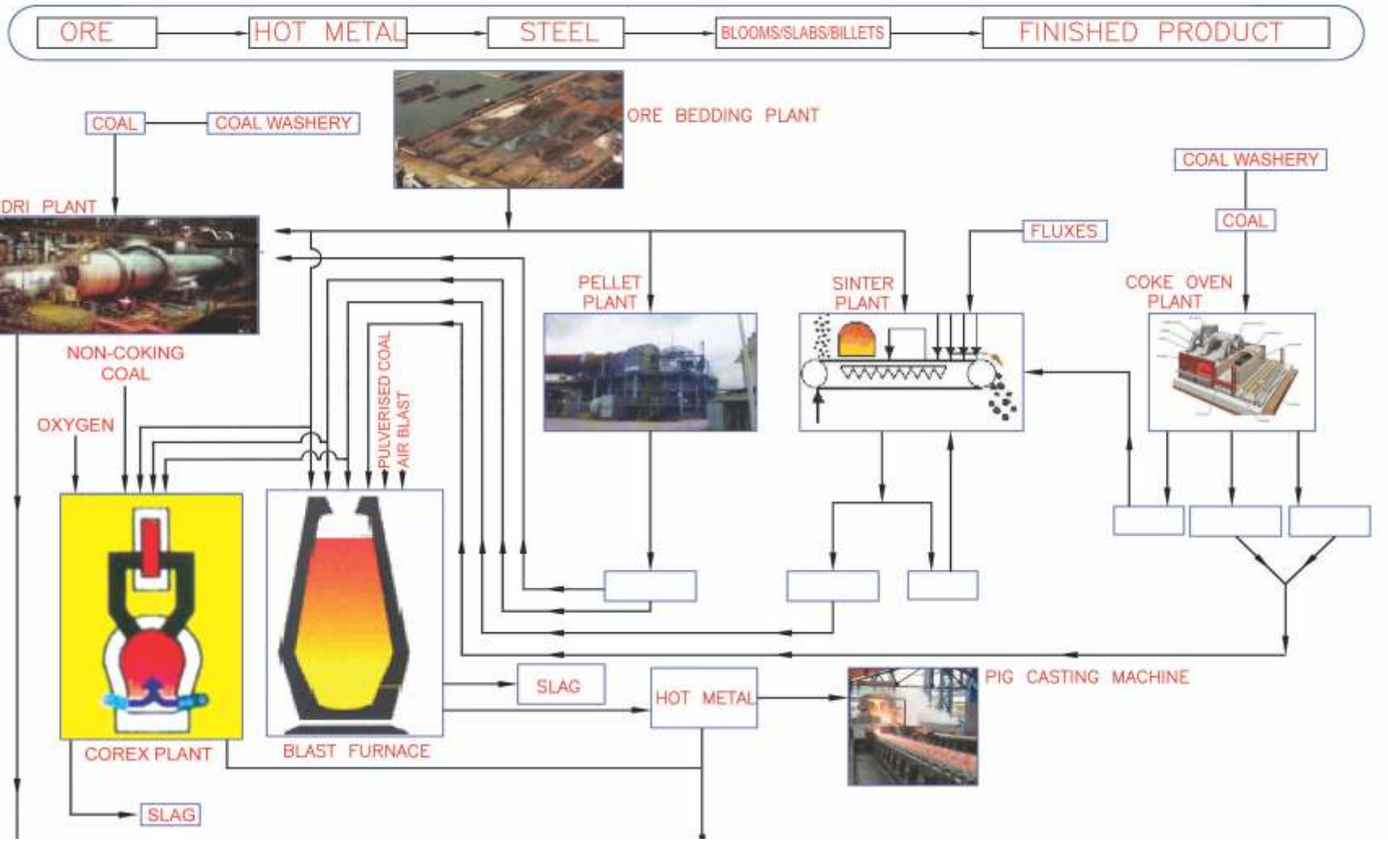

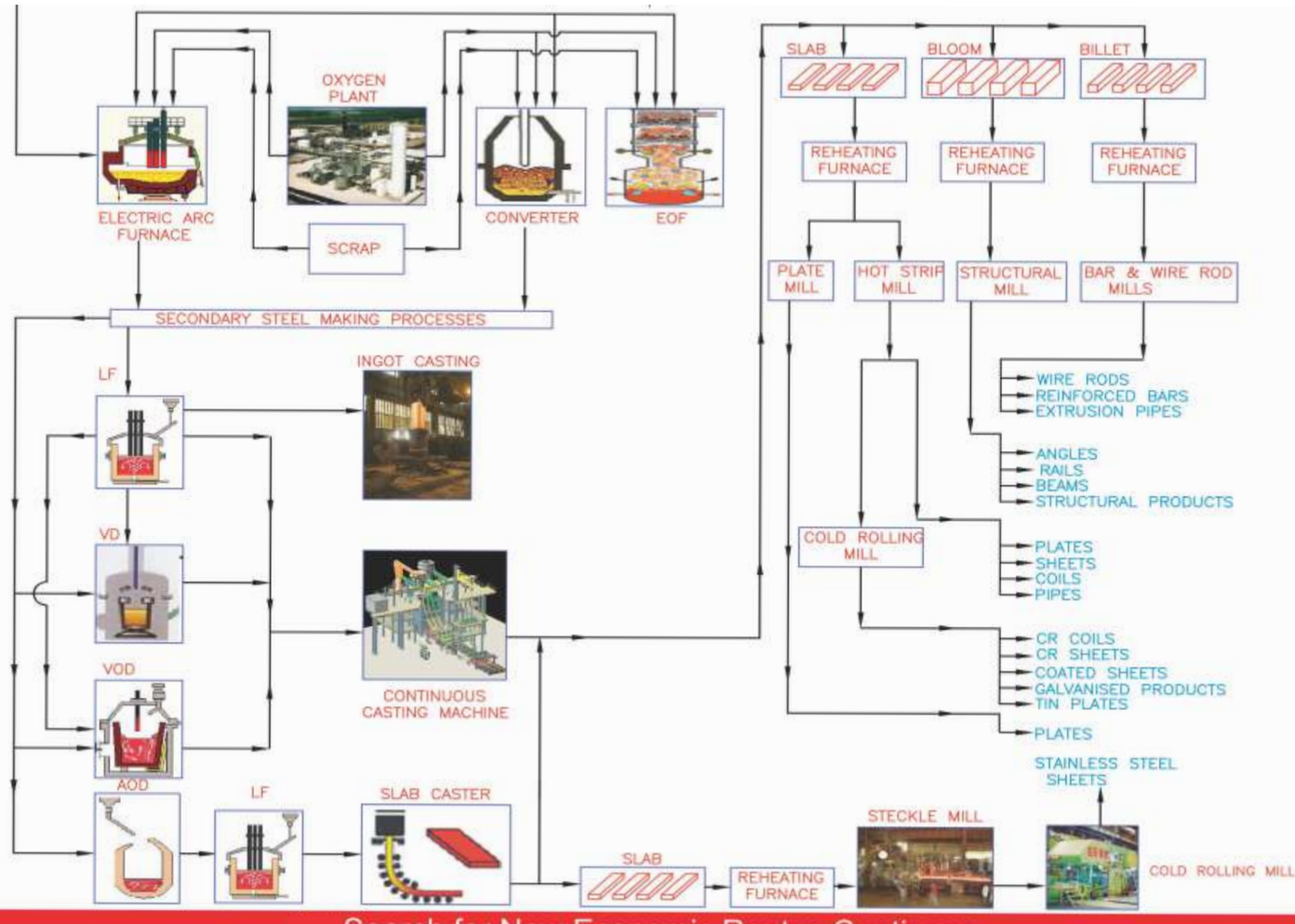

Search for New Economic Routes Continues