# **BUSINESS MODEL**

## **INPUT**

Financial Capital	UOM	FY17
Capex	₹ Cr.	3,173
Revenue Spend	₹Cr.	44,074

Manufactured Capital	UOM	FY17
Crude Steel production capacity	MnTPA	12.7
Inbound raw materials	MnTPA	~40
Outbound finished goods	MnTPA	>11
Pan India Stockyards	Nos.	18
Fininshed Goods Inventory	Kt	226

Intellectual Capital	UOM	FY 17
Patents filed (Cumulative till FY2017)	Nos.	870
R&D spend (Cumulative since FY11)	₹ Cr.	681

Human Capital	UOM	FY17
Employees on roll	Nos.	34,989
Skilled Manpower	%	~100
Spend on training	₹Cr.	>50

Relationship Capital	UOM	FY17
Pan India dealers & distributors	Nos.	>12,000
Pan India Sales Offices	Nos.	>25
Application Engineers working jointly with customers	Nos.	~30
Customer facing processes	Nos.	8
Members in customer service teams	Nos.	>100
Supplier base	Nos.	>5,000
Suppliers trained through VCAP*	Nos.	204

Social Capital	UOM	FY17
CSR spend	₹ Cr.	194

Natural Capital	UOM	FY17
Captive Iron Ore	%	100
Captive Coal	%	36
Specific Water Consumption - TSJ	m³/tcs	3.83
Specific Water Consumption - TSK	m³/tcs	7.66
Energy Intensity - TSJ, TSK	GCal/tcs	5.67, 8.49
Tree plantation	Nos.	4,00,225
Capital Spend on environment	₹Cr.	605

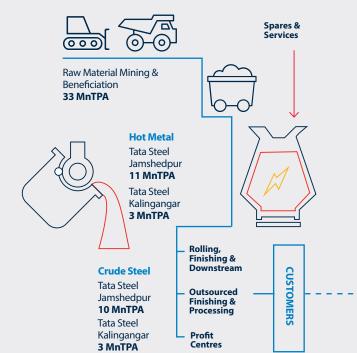
## **BUSINESS ACTIVITIES AND PROCESSES**

VISION, MISSION, VALUES, TATA CODE OF CONDUCT, POLICIES

STAKEHOLDER ENGAGEMENT RISKS AND OPPORTUNITIES

STRATEGY AND RESOURCE ALLOCATION





#### SUPPORT FUNCTIONS

SAFETY & ERGONOMICS | CORPORATE ETHICS | HUMAN RESOURCE MANAGEMENT |
CORPORATE STRATEGY & PLANNING | ENVIRONMENT MANAGEMENT | INDUSTRIAL
BY-PRODUCTS MANAGEMENT DIVISION | CORPORATE SOCIAL RESPONSIBILITY | FINANCE &
ACCOUNTS | SHARED SERVICES | INFORMATION TECHNOLOGY SERVICES | PROCUREMENT |
CUSTOMER SERVICES DEPARTMENT | RAW MATERIAL MANAGEMENT | CORPORATE
COMMUNICATION | CORPORATE SERVICES | ENGINEERING & PROJECTS |
RESEARCH & DEVELOPMENT | AUTOMATION | TECHNOLOGY GROUPS

UOM- Unit of Measurement

TSK under ramp-up

<sup>\*</sup> Vendor Capability Advancement Programme







# **ACTIONS TO ENHANCE/MITIGATE OUTCOMES**

## **OUTPUT**

HOT METAL PRODUCTION

14 MnTPA

CRUDE STEEL PRODUCTION

13 MnTPA

#### **KEY CUSTOMER SEGMENTS & PRODUCTS**

**AUTOMOTIVE SEGMENT (OEMs & Auto Ancillaries):** CR SHEETS, COILS, TUBES, SPRINGS, BEARINGS

#### **CONSTRUCTION SEGMENT:**

TMT REBARS, STEEL HOLLOW SECTIONS, GC ROOFING SHEETS

#### GENERAL ENGINEERING SEGMENT:

CR SHEETS AND COILS, HR SHEETS AND COILS, COATED PRODUCTS

#### **INDUSTRIAL SEGMENT:**

HOT ROLLED COILS, WIRE RODS

# **BY-PRODUCTS AND THEIR CONSUMERS**

#### **POWER PLANTS, COKE PLANTS, BRICK KILNS:**

COAL REJECTS, COAL MIDDLINGS

## CEMENT INDUSTRY:

BLAST FURNACE SLAG, LD SLAG

## **CONSTRUCTION SECTOR (ROAD):**

LD SLAG

## **OUTCOME**

Financial Capital	UOM	FY17
Turnover	₹ Cr.	53,261
EBITDA	%	22
PAT	₹ Cr.	3,445
Savings from improvement projects	₹ Cr.	3,400
Value from by-products	₹ Cr.	2,882
Revenue from new products	%	5
Revenue through services and solutions business	₹ Cr.	~750

Manufactured Capital	UOM	FY17
Coke Rate	Kg/tonne of hot metal	360
Availability of critical manufacturing units	%	>90

Intellectual Capital	UOM	FY16
Patents granted (Cumulative till FY2017)	Nos.	360
New products launched	Nos.	31

Human Capital	UOM	FY17
Safety - LTI	Nos.	80
Safety - Fatalities	Nos.	5
Health Index	Score out of 16	12.59/16
Employee Productivity (TSJ)	tcs/employee/year	720
Diversity - Gender and SC/ST	%	5.8 and 16.9
Attrition Rate	%	4.83
Employees trained	man-days	3,34,050

Relationship Capital	UOM	FY17
Customer satisfaction	%	81.3
Customer complaints	ppm	759
Brand Equity Index - Tata Shaktee	Score out of 10	7
Brand Equity Index - Tata Tiscon	Score out of 10	6.6
Continuing leadership position in chosen segments (Automotive and Construction)		
Loyal (repeat) customers	%	70
Loyal (repeat) customers		70

Timely environmental clearances without any major issues

Social Capital	UOM	FY17
Lives impacted through CSR - Health,	Nos.	1.1 Million
Education, Livelihood programmes		
Economic Value Distributed	%	95.34
Social licence to operate without any major iss	ues	

Natural Capital	UOM	FY17	
CO₂ emissions - TSJ, TSK	tCO₂e/tcs	2.29, 3.08	
Effluent discharge - TSJ	m³/tcs	1.01	
Solid Waste Utilisation - TSJ	%	82.4	
Dust emissions - TSJ, TSK	kg/tcs	0.44, 1.3	
Diadicavette In 2016 the Commence entered into whose II			

Biodiversity preservation at raw material locations In 2016, the Company entered into phase-II of engagement with IUCN, for mainstreaming biodiversity across all our raw material locations. IUCN is helping in roll-out of Biodiversity Management Plans (BMPs). Specific initiatives based on the BMPs have already been identified which are being implemented for enhancing biodiversity, for e.g. 'Bird Niche Nesting Project.'

TSK under ramp-up