TATA

ESG INDICATORS FACTSHEET

Tata Steel ESG Indicators Factsheet FY 2021-22

Tata Steel Standalone, Tata Steel Long Products, Tata Steel United Kingdom (UK), Tata Stee Netherlands and Tata Steel Thailand account for ~ 90% of our global group turnover. This Factsheet represents our ESG performance for these entities.

Note: In FY 2021-22 Standalone figures include performance of the newly amalgamated erstwhile business of Tata Steel BSL Limited.

	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
Basic information						
Crude Steel Production						
Tata Steel Standalone	MnT	12.48	13.23	13.16	12.19	18.38
Tata Steel Long Products Limited - Gamharia	MnT	-	-	0.59	0.65	0.68
Tata Steel UK	MnT	3.51	3.13	3.38	3.27	3.40
Tata Steel Netherlands	MnT	6.90	6.90	6.62	6.07	6.45
Tata Steel Thailand	MnT	1.20	1.03	0.99	1.09	1.31
Environmental						
CO ₂ emissions (based on worldsteel user guide V9.5)					
Tata Steel Standalone - Jamshedpur, Kalinganagar, Meramandali						
Absolute emissions -Scope 1+1.1	MnT	30.5	31.7	31.1	29.4	46.2
Absolute emissions - Scope 2	MnT	1.2	1.2	1.1	1.0	1.7
Absolute emissions - Scope 3	MnT	-2.0	-1.8	-1.8	-2.0	-3.2
Total absolute emissions (Scope 1+1.1+2 + 3)	MnT	29.7	31	30.4	28.3	44.7
CO ₂ emissions intensity	tCO ₂ /tcs	2.37	2.35	2.31	2.32	2.43
Tata Steel Long Products Limited - Gamharia						
Absolute emissions - Scope 1	MnT	-	-	3.0	3.1	3.2
Absolute emissions - Scope 2	MnT	-	-	0.0	0.0	0.0
Absolute emissions - Scope 3	MnT	-	-	-0.3	-0.4	-0.3
Total absolute emissions (Scope 1 +2 + 3)	MnT	-	-	2.7	2.8	3.0
CO ₂ emissions intensity	tCO ₂ /tcs	-	-	4.52	4.29	4.39
Tata Steel UK						
Absolute emissions - Scope 1	MnT	7.0	6.4	7.1	6.5	6.9
Absolute emissions - Scope 2	MnT	0.5	0.4	0.4	0.3	0.4
Absolute emissions - Scope 3	MnT	0.6	0.5	0.5	0.5	0.4
Total absolute emissions (Scope 1 +2 + 3)	MnT	8.1	7.4	8.0	7.3	7.7
CO ₂ emissions intensity (Port Talbot)	tCO ₂ /tcs	2.18	2.21	2.22	2.14	2.16
Tata Steel Netherlands						
Absolute emissions - Scope 1+1.1	MnT	13	12	12	11	12
Absolute emissions - Scope 2	MnT	(0.15)	(0.18)	(0.13)	(0.06)	(0.10)
Absolute emissions - Scope 3	MnT	0.08	0.15	0.16	0.17	0.27
Total absolute emissions (Scope 1+1.1+2 + 3)	MnT	13	12	12	11	12
CO ₂ emissions intensity (IJmuiden)	tCO ₂ /tcs	1.79	1.77	1.76	1.77	1.78
Tata Steel Thailand						
Absolute emissions - Scope 1	MnT	0.2	0.2	0.2	0.2	0.2
Absolute emissions - Scope 2	MnT	0.4	0.4	0.4	0.4	0.5
Absolute emissions - Scope 3	MnT	0.1	0.1	0.1	0.1	0.1
Total absolute emissions (Scope 1 +2 + 3)	MnT	0.7	0.7	0.7	0.7	0.8
CO ₂ emissions intensity	tCO ₂ /tcs	0.62	0.64	0.67	0.64	0.61

Calculations of Scope 1, 2, 3 emissions are as per worldsteel methodology

	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
GHG emissions (based on GHG Protocol)						
Tata Steel Standalone						
Absolute emissions -Scope 1	MnT	-	-	-	32.5	49.7
Absolute emissions - Scope 2	MnT	-	-	-	3.9	5.1
Absolute emissions - Scope 3	MnT	-	-	-	5.2	6.4
Total absolute emissions (Scope 1 +2 + 3)	MnT	-	-	-	41.5	61.2
Tata Steel Long Products Limited						
Absolute emissions - Scope 1	MnT	-	-	-	3.9	4.1
Absolute emissions - Scope 2	MnT	-	-	-	0.0	0.0
Absolute emissions - Scope 3	MnT	-	-	-	0.6	0.6
Total absolute emissions (Scope 1 +2 + 3)	MnT	-	-	-	4.5	4.7
Tata Steel UK						
Absolute emissions - Scope 1	MnT	-	-	-	6.6	7.0
Absolute emissions - Scope 2	MnT	-	-	-	0.2	0.2
Absolute emissions - Scope 3	MnT	-	-	-	1.0	1.0
Total absolute emissions (Scope 1 +2 + 3)	MnT	-	-	-	7.7	8.3
Tata Steel Netherlands						
Absolute emissions - Scope 1	MnT	-	-	-	11.0	11.7
Absolute emissions - Scope 2	MnT	-	-	-	0.7	0.8
Absolute emissions - Scope 3	MnT	-	-	-	1.8	1.8
Total absolute emissions (Scope 1 +2 + 3)	MnT	-	-	-	13.6	14.2
Tata Steel Thailand						
Absolute emissions - Scope 1	MnT	-	-	-	0.2	0.2
Absolute emissions - Scope 2	MnT	-	-	-	0.4	0.5
Absolute emissions - Scope 3	MnT	-	-	-	0.2	0.2
Total absolute emissions (Scope 1 +2 + 3)	MnT	-	-	-	0.8	0.9
Tata Steel Consolidated (including other TSL entities	es)*					
Absolute emissions - Scope 1	MnT	-	-	-	66.0	75.7
Absolute emissions - Scope 2	MnT	-	-	-	4.8	5.6
Absolute emissions - Scope 3	MnT	-	-	-	12.6	11.9
Total absolute emissions (Scope 1 +2 + 3)	MnT	-	-	-	83.4	93.2

^{*}worldsteel methodology allows credits due to export to various co-products / byproducts (incl. gases). No such credits are included in GHG Protocol estimation. Scope 1.1 emissions under worldsteel scope considered direct emissions under scope 1 for steelmaking sites.

Consolidated emissions of Tata Steel has been arrived at by using equity based approach

For TSJ, TSK and TSM, Absolute Scope 1 emissions are 46.7 MntCO2e, Absolute Scope 2 emissions are 4.4 MntCO2e, Absolute Scope 3 emissions are 1.5 MntCO2e.

Air emissions						
Tata Steel Standalone						
Stack dust emissions	Kilo tonnes	5.75	5.59	5.04	4.10	7.22
Dust emission intensity	kg/tcs	0.46	0.42	0.38	0.34	0.39
SOx emissions	Kilo tonnes	12.50	7.37	8.57	7.83	30.40
SOx emission intensity	kg/tcs	1.00	0.56	0.65	0.64	1.65
NOx emissions	Kilo tonnes	12.81	8.89	8.70	7.53	16.01
NOx emission intensity	kg/tcs	1.03	0.67	0.66	0.62	0.87
Tata Steel Long Products Limited - Gamharia						
Dust emissions	Kilo tonnes	-	-	1.69	1.17	1.03
Dust emission intensity	kg/tcs	-	-	2.86	1.81	1.50
SOx emissions	Kilo tonnes	-	-	5.11	4.88	6.01
SOx emission intensity	kg/tcs	-	-	8.66	7.53	8.79
NOx emissions	Kilo tonnes	-	-	0.97	1.08	1.21
NOx emission intensity	kg/tcs	-	-	1.64	1.67	1.77

Integrated Report & Annual Accounts 2021-22 | 115th Year

	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-2
Tata Steel UK (CY*)						
Dust emissions	Kilo tonnes	2.05	1.96	1.94	2.23	1.96
Dust emission intensity	kg/tcs	0.57	0.64	0.57	0.69	0.5
SOx emissions	Kilo tonnes	7.19	7.07	7.09	6.61	4.96
SOx emission intensity	kg/tcs	2.02	2.29	2.10	2.04	1.40
NOx emissions	Kilo tonnes	4.97	3.84	4.83	5.14	5.0
NOx emission intensity	kg/tcs	1.39	1.24	1.43	1.58	1.43
Tata Steel Netherlands® (CY*)						
Dust emissions	Kilo tonnes	1.91	1.80	1.88	1.80	1.5
Dust emission intensity	kg/tcs	0.28	0.26	0.28	0.30	0.24
SOx emissions	Kilo tonnes	3.23	3.13	3.16	3.04	2.7
SOx emission intensity	kg/tcs	0.47	0.46	0.48	0.50	0.42
NOx emissions	Kilo tonnes	5.78	5.73	6.03	5.13	5.3
NOx emission intensity	kg/tcs	0.85	0.84	0.91	0.85	0.8
*Calendar year reporting (1 January - 31 December)						
Water						
Tata Steel Standalone						
Fresh water consumption	Million m ³	48.7	46.3	40.8	32.9	5
Specific fresh water consumption	m³/tcs	3.90	3.50	3.10	2.7	2.7
Effluent discharge volume	Million m ³	11.5	10.3	9.5	8.3	
Effluent discharge intensity	m³/tcs	0.92	0.78	0.72	0.68	0.5
Tata Steel Long Products Limited - Gamharia						
Fresh water consumption	Million m ³	-	-	6.79	6.78	6.9
Specific fresh water consumption	m³/tcs	-	-	7.71	7.53	6.2
Effluent discharge volume	Million m ³	-	-	_		
Effluent discharge intensity	m³/tcs	-	-	Zero pro	ocess water disc	harge
Tata Steel UK (CY*)						
Fresh water consumption	Million m ³	17	19	22	28	3
Specific fresh water consumption	m³/tcs	4.83	6.01	6.51	8.73	8.7
Effluent discharge volume	Million m ³	17	33	20	18	2
Effluent discharge intensity	m³/tcs	4.71	10.79	5.76	5.40	6.0
Tata Steel Netherlands® (CY*)						
Fresh water consumption	Million m ³	34	34	33	32	3
Specific fresh water consumption	m³/tcs	4.95	4.96	4.93	5.20	4.7
Effluent discharge volume#	Million m ³	179	182	194	185	20
Effluent discharge intensity	m³/tcs	26.3	26.6	29.0	30.4	30.
Tata Steel Thailand						
Fresh water consumption	Million m ³	-	1.85	1.95	1.72	1.7
Specific fresh water consumption	m³/tcs	-	1.80	1.59	1.28	1.2
Effluent discharge volume	Million m ³		_			
Effluent discharge intensity	m³/tcs		Zero pro	ocess water disc	harge	

[@] All figures for primary steelmaking, IJmuiden production site



Performance

Tata Steel

About

Stakeholders and Materiality

Value Creation

Financial Statutory Reports



		EV 2245 42	EV 2010 10	EV 2010 20	FV 2022 24	EV 2004 20
Wests	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
Waste Tata Steel Standalone						
	Vila tanna			0.067	0.427	15.041
Solid waste generated	Kilo tonnes		-	9,967	9,427	15,041
Solid waste utilised Solid waste sent to landfill / incineration	Kilo tonnes Kilo tonnes		-	9,967	9,417	14,815
Solid waste utilisation	%	<u> </u>	-	100	99.9	98.5
Tata Steel Long Products Limited - Gamharia	70	<u>-</u>		100	99.9	96.5
Solid waste generated	Kilo tonnes		_		947.2	1023.4
Solid waste utilised	Kilo tonnes				1,057.1	851.2
Solid waste utilised Solid waste utilisation	%				1,037.1	87
Tata Steel UK (CY*)	70				100	67
Solid waste generated	Kilo tonnes		_	230.8	186.3	111.4
Solid waste utilised	Kilo tonnes			230.8	112.7	84.8
Solid waste utilised Solid waste sent to landfill / incineration	Kilo tonnes			4.27	3.62	6.58
Solid waste utilisation	%			95.9	60.5	76.1
Tata Steel Netherlands® (CY*)	70			93.9	00.5	70.1
	Kilo tonnes	220	102	218	201	170
Solid waste generated Solid waste utilised	Kilo tonnes	228	193 143	170	159	
Solid waste utilised Solid waste sent to landfill	Kilo tonnes	187 35	48	42	36	127 38
Solid waste utilisation	%	82.0	74.1	78.3	79.1	74.7
Tata Steel Thailand	90	82.0	74.1	76.3	79.1	/4./
	Vila tannas	100.7	211.1	200.7	221.6	265.0
Solid waste generated Solid waste utilised	Kilo tonnes Kilo tonnes	199.7 199.3	211.1	200.7	221.6	265.9
			210.4	200.3	221.1	265.2
Solid waste sent to landfill / incineration	Kilo tonnes	0.35	0.70	0.36	0.46	0.69
Solid waste utilisation	%	99.9	99.7	99.8	99.8	99.7
*Calendar year reporting (1 January - 31 December)						
Energy						
Tata Steel Standalone						
Specific energy consumption	GJ/tcs	25.11	24.35	24.17	24.11	23.62
Tata Steel Long Products Limited - Gamharia						
Specific energy consumption	GJ/tcs	-	-	29.16	29.25	32.47
Tata Steel UK						
Specific energy consumption	GJ/tcs	23.60	24.20	23.80	22.80	23.10
Tata Steel Netherlands®						
Specific energy consumption	GJ/tcs	20.06	19.99	19.79	20.22	20.38
Tata Steel Thailand						
Specific energy consumption	GJ/tcs	9.50	9.90	10.00	9.86	9.30
Biodiversity						
Tata Steel Standalone						
Total sites covered under Biodiversity Management Plans (BMPs)	%	-	-	-	52.3	61.9
Tata Steel Long Products Limited - Gamharia						
Total sites covered under Biodiversity Management Plans (BMPs)	Nos.	-	-	-	-	Initiated at 3 sites
Tata Steel UK						
Discrete sites under biodiversity management	Nos.	-	-	-	-	7

based on crude steel production volumes

EMS - Environment Management System [®] primary steelmaking, IJmuiden production site

130 Integrated Report & Annual Accounts 2021-22 | 115th Year 131

[@] Total (scope 1+2+3): based on methodology of worldsteel, including credits for slag delivery to cement industry., Primary Steelmaking, IJmuiden production site

[#] sea water intake and return to sea ~161 million m3/year as for cooling Calculations of Scope 1, 2, 3 emissions are as per worldsteel V9.5 methodology

Sites with Safety Management System (ISO 45001/OHSAS 18001)

Organisational Health Index

	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
Management						
Tata Steel Standalone						
Workforce (permanent+contract) working in EMS (ISO 14001) certified steel production facilities	%	-	-	100	100	100
Tata Steel Long Products Limited - Gamharia						
Workforce (permanent+contract) working in EMS (ISO 14001) certified steel production facilities	%	-	-	100	100	100
Tata Steel UK						
Workforce (permanent+contract) working in EMS (ISO 14001) certified steel production facilities	%	-	-	100	100	100
Tata Steel Netherlands						
Workforce (permanent+contract) working in EMS (ISO 14001) certified steel production facilities	%	-	-	100	100	100
Tata Steel Thailand						
Workforce (permanent+contract) working in EMS (ISO 14001) certified steel production facilities	%	-	-	100	100	100
Scrap recycling						
Tata Steel Standalone						
Steel scrap recycled (internal & external)	Kilo tonnes	-	-	-	598	1,252
Steel scrap recycled (internal & external)	%	-	-	-	4.9	6.8
Tata Steel Long Products Limited - Gamharia						
Steel scrap recycled (internal & external)	Kilo tonnes	-	-	21.9	20.4	29.7
Steel scrap recycled (internal & external)	%	-	-	3.7	3.2	4.3
Tata Steel UK						
Steel scrap recycled (internal & external)	Kilo tonnes	559	531	497	554	596
Steel scrap recycled (internal & external)	%	16.0	17.1	14.7	16.9	17.5
Tata Steel Netherlands						
Steel scrap recycled (internal & external)@	Kilo tonnes	1,095	1,140	1,150	1,019	1,137
Steel scrap recycled# (internal & external)	%	15.9	16.5	17.4	16.8	17.6
Tata Steel Thailand		Primary rav	w material used	is steel scrap w	hich is 100% re	cyclable
Spend on Climate Change and Environment						
Tata Steel Standalone						
Spend on Climate Change and Environment (Capex)	₹ crore	544	286	283	139	554
Tata Steel Long Products Limited - Gamharia						
Spend on Climate Change and Environment (Capex)	₹ crore	-	-	-	7.9	8.7
Tata Steel Netherlands						
Spend on Climate Change and Environment (Capex)	Million Euros	6.9	16.9	48.3	51.0	33.5
Standalone figures of FY 2021-22 includes performance of the horizontally deploying best practices of our Jamshedpur and possible level in due course of time.	, ,					
Social						
Health & Safety						
Tata Steel Standalone						
Fatalities	Nos.	3	2	3	3	3
Lost-time Injury (LTI) - employee	Nos.	42	38	58	48	58
Lost-time Injury (LTI) – contractor	Nos.	22	30	69	47	107
Lost-time Injury (LTI) – Total	Nos.	64	68	127	95	165
Lost-time Injury Frequency Rate (LTIFR) - employee	Index	0.50	0.47	0.78	0.63	0.67
Lost-timeInjury Frequency Rate (LTIFR) – contractor	Index	0.16	0.19	0.4	0.49	0.55
Lost-time Injury Frequency Rate (LTIFR) – Total	Index	0.29	0.29	0.52	0.55	0.59

%

Score out of 16

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Performance

About Tata Steel

nip Strat

Stakeholders and Materiality

Value Statutory
Creation Reports

Financial Statements



	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
Tata Steel Long Products Limited						
Fatalities	Nos.	-	-	0	1	0
Lost-time Injury (LTI) – employee	Nos.	-	-	-	3	7
Lost-time Injury (LTI) – contractor	Nos.	-	-	-	21	7
Lost-time Injury (LTI) – Total	Nos.	-	-	15	24	14
Lost-time Injury Frequency Rate (LTIFR) – Total	Index	-	-	1.07	1.38	0.66
Sites with Safety Management System (ISO 45001/ OHSAS 18001)	%	-	-	100	100	100
Tata Steel UK						
Fatalities	Nos.	0	0	2	0	0
Lost-time Injury (LTI) – employee	Nos.	25	19	36	30	33
Lost-time Injury (LTI) – contractor	Nos.	7	8	7	9	15
Lost-time Injury (LTI) – Total	Nos.	32	27	43	39	48
Lost-time Injury Frequency Rate (LTIFR) - employee	Index	1.47	1.13	2.25	1.93	2.1
Lost-time Injury Frequency Rate (LTIFR) – contractor	Index	1.42	1.61	1.43	2.1	3.17
Lost-time Injury Frequency Rate (LTIFR) – Total	Index	1.46	1.24	2.06	1.97	2.35
Sites with Safety Management System (ISO 45001/ OHSAS 18001)	%	-	-	4.76	15	16.66
Tata Steel Netherlands						
Fatalities	Nos.	1	0	0	0	0
Lost-time Injury (LTI) – employee	Nos.	19	19	18	17	19
Lost-time Injury (LTI) – employee Lost-time Injury (LTI) – contractor					9	
	Nos.	11	20	13		8
Lost-time Injury (LTI) – Total	Nos.	30	39	31	26	27
Lost-time Injury Frequency Rate (LTIFR) - employee	Index	1.02	1.03	0.99	0.93	1.01
Lost-time Injury Frequency Rate (LTIFR) – contractor	Index	2.24	3.71	3.31	2.81	2.36
Lost-time Injury Frequency Rate (LTIFR) – Total	Index	1.27	1.63	1.40	1.21	1.21
Sites with Safety Management System (ISO 45001/ OHSAS 18001)	%	0	0	24	28	36
Tata Steel Thailand						
Fatalities	Nos.	0	0	0	0	1
Lost-time Injury (LTI) – employee	Nos.	1	4	0	0	0
Lost-time Injury (LTI) – contractor	Nos.	0	3	0	1	3
Lost-time Injury (LTI) – Total	Nos.	1	7	0	1	3
Lost-timeInjury Frequency Rate (LTIFR) - employee	Index	0.35	1.5	0	0	0
Lost-time Injury Frequency Rate (LTIFR) – contractor	Index	0	1.07	0	0.42	1.34
Lost-time Injury Frequency Rate (LTIFR) – Total	Index	0.17	1.28	0	0.21	0.63
Sites with Safety Management System (ISO 45001/ OHSAS 18001)	%	100	100	100	100	100
Standalone figures of FY 2021-22 includes performance of	of the recently merged	business of erstv	while TSBSL now	renamed as Tat	a Steel Merama	ndali (TSM).
Human Resource Management						
Tata Steel Standalone						
Nos. of employees*	Nos.	34,072	32,984	32,364	31,189	35,927
New employee hires	Nos.	-	1,977	1,820	2,129	1,704
Employee productivity (steel volume)	tcs/employee/ year	768	800	803	745	854
Female employees in workforce	%	6.1	6.5	6.9	7.4	6.9
Female employees in						
management positions in workforce	%	11.1	11.6	12.0	12.6	11.7
Age break-up of the workforce (<30 years)	%	-	15.1	15.5	18	23
Age break-up of the workforce (30 - 50 years)	%	_	54.8	55.3	57	59
Age break-up of the workforce (>50 years)	%	_	30.1	29.2	25	17
Employee turnover rate	%	6.1	6.4	6.8	7.5	6.9
Employee turnover rate	/0	0.1	٠.٦	0.0	7.5	0.9

132 Integrated Report & Annual Accounts 2021-22 | 115th Year

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	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
Workforce covered through formal trade unions	%	89.3	88.9	87.4	86.1	79.6
Diversity Mix (% of employees who belong to categories of - Affirmative Action/Women/ PWD/LGBTQ+)	%	-	-	19	20	18
Investment in employee training and development	₹ crore	-	-	133	152	159
Employee training	Thousand person days	194	248	253	199	413
Employee training	person-days/ employee/year	5.62	7.52	7.81	6.38	11.51
Tata Steel Long Products Limited						
Nos. of employees	Nos.	-	-	2,496	2,395	2,357
New employee hires	Nos.	-	-	51	19	106
Employee productivity (steel volume)	tcs/employee/ year	-	-	456	548	665
Female employees in workforce	%	-	-	2.2	2.4	2.8
Female employees in management positions in workforce	%	-	-	0.6	0.7	1.2
Age break-up of the workforce (<30 years)	%	-	-	9.9	8.0	6.0
Age break-up of the workforce (30 - 50 years)	%	-	-	67.7	69.6	70.
Age break-up of the workforce (>50 years)	%	-	-	22.5	22.5	22.
Employee turnover rate	%	-	-	1.2	1.2	2.
Employee training	Thousand person days	-	-	10.2	30.46	43.0
Employee training	person-days/ employee/year	-	-	4.09	12.72	18.2
Tata Steel Europe (UK + Netherlands business)						
Nos. of employees	Nos.	21,247	21,454	20,379	20,047	20,16
New employee hires	Nos.	1,855	1,881	1,077	923	1,70
Female employees in workforce	%	11.1	11.1	11.2	11	10.
Female employees in management positions in workforce	%	16.9	18.1	18.2	18	18.
Age break-up of the workforce (<30 years)	%	13.9	15.1	14.2	13.7	14.
Age break-up of the workforce (30 - 50 years)	%	43	42.2	41.5	41.5	41.
Age break-up of the workforce (>50 years)	%	43.1	42.7	44.3	44.8	44.
Employee turnover rate	%	14.4	7.2	9.3	5.5	7.
Employee productivity (steel volume)®	tcs/employee/ year	490	467	491	466	48
Tata Steel Thailand						
Nos. of employees	Nos.	1,236	1,187	1,151	1,101	1,09
New employee hires	Nos.	91	60	35	2	2
Employee productivity (steel volume)	tcs/employee/ year	985	972	1,043	1,184	1,22
Female employees in workforce	%	16.7	17.4	17.4	17.3	17.
Female employees in management positions in workforce	%	19.8	19.2	18.4	16.4	15.
Age break-up of the workforce (<30 years)	%	24.3	22.8	23.5	17.4	14.
Age break-up of the workforce (30 - 50 years)	%	65.8	66.0	63.3	67.9	68.
Age break-up of the workforce (>50 years)	%	9.90	11.10	12.90	14.60	16.7
Employee turnover rate	%	4.40	6.50	4.40	2.00	1.6
Employee training	thousand person-days	7.6	7.3	4.5	6.6	7.
Employee training	person-days/ employee/year	6.2	6.2	4.3	6	6.

 $^{\tiny{\textcircled{\tiny @}}}$ Definition includes all employees at TSE which is different from India definition.



Performance

About Tata Steel

Stakeholders and Materiality

Value Statutory Creation Reports

Financial



	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
Economic & Governance						
Ethics						
Tata Steel Standalone						
Whistleblower cases*- Received	Nos.	-	436	881	777	845
Whistleblower cases* - Closed	Nos.	-	334	602	541	601
Whistleblower cases* - Open	Nos.	-	102	279	236	244
Sexual harassment cases - Received	Nos.	16	20	34	21	22
Sexual harassment cases - Closed	Nos.	8	19	26	15	18
Sexual harassment cases - Open	Nos.	24	1	8	6	4
Training on Tata Code of Conduct - officers	person-hours	-	4,003	17,064	26,458	31,142
Training on Tata Code of Conduct - frontline employees	person-hours	-	7,080	2,763	5,086	14,630
Training on Tata Code of Conduct - contract employees	person-hours	-	23,798	24,307	15,380	60,898
Business associates** trained on Tata Code of Conduct	Nos.	-	-	-	1,747	2,114
Tata Steel Long Products Limited						
Whistleblower cases*- Received	Nos.	6	5	19	31	34
Whistleblower cases* - Closed	Nos.	6	5	19	31	30
Whistleblower cases* - Open	Nos.	0	0	0	0	4
Sexual harassment cases - Received	Nos.	1	0	2	1	0
Sexual harassment cases - Closed	Nos.	1	0	1	2	0
Sexual harassment cases - Open	Nos.	0	0	1	0	0
Training on Tata Code of Conduct - officers	person-hours	0	0	1,209	1,142	541
Training on Tata Code of Conduct - frontline employees	person-hours	-	-	1,060	636	828
Training on Tata Code of Conduct - contract employees	person-hours	-	-	896	454	9,092
Business associates** trained on Tata Code of Conduct	Nos.	-	-	-	35	235
Tata Steel Europe (UK + Netherlands business)						
Whistleblower cases - Received	Nos.	40	33	51	48	34
Whistleblower cases - Closed	Nos.	40	33	51	48	34
Training on Tata Code of Conduct	No. of persons	-	75	180	135	105
Tata Steel Thailand						
Training on Tata Code of Conduct	No. of persons	91	60	35	2	26
*avelusive of savual harassment cases					,	

*exclusive of sexual harassment cases

^{**}Business Associate means suppliers, customers, vendors, dealers, distributors, franchisees, lessors, lessees or such other persons with whom Tata Steel has any business or transactional dealings including the Business Associate's employees, agents and other representatives.

Supply Chain						
Tata Steel Standalone						
Active supplier base	Nos.	-	>5,000	5,132	5,071	6,264
Local suppliers	Nos.	-	1,316	1,806	1,671	1,944
Critical suppliers	Nos.	-	-	-	-	450
Business volume of local suppliers	₹ crore	-	-	-	2,397	4,587
Number of Affirmative Action (AA) suppliers	Nos.	-	70	70	71	71
Business volume of Affirmative Action (AA) suppliers	₹ crore	-	75	61	53.5	70
Suppliers assessed based on safety	Nos.	-	1,035	850	745	1,022
Suppliers trained through Vendor Capability Advancement Program (VCAP)	Nos.	-	1,426	1,330	844	450
Critical suppliers made aware on Responsible Supply Chain Policy	Nos.	-	-	-	223	327
Critical suppliers assessed on Responsible Supply Chain Policy	Nos.	-	-	-	200	258
Steel Processing Centers (SPC) assessed on Responsible Supply Chain Policy	Nos.	-	-	-	-	31
Distributors assessed on Responsible Supply Chain Policy	Nos.	-	-	-	-	106

	UOM	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22
Tata Steel UK						
Active suppliers	Nos.	3,735	3,584	3,354	2,808	2,851
Tata Steel Netherlands						
Active suppliers	Nos.	3,914	3,901	3,462	3,129	3,329
Tata Steel Europe (UK + Netherlands business)						
Active suppliers	Nos.	7,649	7,485	6,816	5,937	6,180
Active suppliers made aware on Responsible Procurement Policy (RPP)*	%	83	86	88	90	91
*The percentage of active suppliers made aware on the RPF	is the same across UK	and Netherlands				
Intellectual Capital						
Tata Steel Standalone						
Collaborations/memberships of academia and	Naa	34	40	50	20	35
technical institutes	Nos.	34	40	50	20	33
Patents filed	Nos.	-	-	119	119	125
Patents granted	Nos.	-	-	58	109	121
New products developed	Nos.	-	114	155	79	62
R&D employees*	Nos.	-	-	-	246	270
R&D Spend	₹ crore	182	216	259	231	213
R&D Spend	% of revenue	0.30	0.31	0.43	0.36	0.17
Investment in new processes and products (Capex + R&D)	₹ crore	2,709	3,893	5,008	2,353	6,501
Investment in new processes and products (Capex + R&D)**	% of revenue	4.6	5.65	8.52	3.71	5.1
Tata Steel UK						
Collaborations/memberships of academia and technical institutes	Nos.	-	-	-	-	7
New products developed	Nos.	8	5	2	4	3
R&D employees	Nos.	64	76	75	70	65
R&D Spend	Million Euros	9	11	9	7	10.5
R&D Spend	% of revenue	0.38	0.46	0.42	0.35	0.34
Investment in new processes and products						
(Capex + R&D)	Million Euros	159	148	264	211	93.5
Investment in new processes and products (Capex + R&D)**	% of revenue	6.67	6.15	12.32	10.68	2.99
Tata Steel Netherlands						
Collaborations/memberships of academia and technical institutes	Nos.	-	-	-	-	158
Patents granted	Nos.	155	137	133	142	202
Patents filed***	Nos.	32	32	36	19	15
New products developed	Nos.	15	17	20	12	10
R&D employees	Nos.	311	316	311	300	299
R&D Spend	Million Euros	63	63	57	54	62
R&D Spend	% of revenue	1.23	1.16	1.20	1.24	0.90
Investment in new processes and products (Capex + R&D)	Million Euros	160	129	111	64	73
Investment in new processes and products (Capex + R&D)**	% of revenue	3.10	2.40	2.36	1.47	1.06

Standalone figures of FY 2021-22 includes performance of the recently merged business of erstwhile TSBSL now renamed as Tata Steel Meramandali (TSM). *includes contract employees

Statutory Reports

Board's R	leport en la company de la	138
Annexure 1	- Management Discussion and Analysis	158
Annexure 2	- Annual Report on CSR Activities	200
Annexure 3	- Corporate Governance Report	213
Annexure 4	- Particulars of Remuneration	239
Annexure 5	- Financial Information of Subsidiary Companies	246
Annexure 6	- Information on Subsidiaries or Associates (including Joint Ventures)	255
Annexure 7	- Secretarial Audit Report	257
Annexure 8	- Particulars of Loans, Guarantees or Investments	261
Annexure 9	- Particulars of Energy Conservation, Technology Absorption and	
	Foreign Exchange Earnings and Outgo	262

^{**}based on worldsteel assocation methodology

^{***}The patents filed refer to priority (i.e. first) filings.