

Key Performance Indicators



ECONOMIC INDICATORS

(GRI 201-1)

	UNITS OF MEASURE	FY18-19	FY19-20	FY20-21
Economic Value Generated (A)				
Revenue from Operation (including excise duty)	₹ crore	21,118	18,561	22,629
Other Income	₹ crore	1,782	1,934	1,819
Total (A)	₹ crore	22,900	20,494	24,448
Economic Value Distributed - Expenses (B)				
Employee Wages and Benefits	₹ crore	905	689	760
Operating Costs	₹ crore	6,786	6,541	7,224
Payment to Providers of Capital	₹ crore	8,564	112	386
Payment to Government (Income Tax)	₹ crore	6,585	3,781	4,586
Community Investments	₹ crore	130	132	214
Total (B)	₹ crore	22,970	11,253	13,170
Economic Value Retained (A-B)	₹ crore	-70	9,241	11,278
Profit before depreciation, interest and tax	₹ crore	12,452	10,781	13,491
Profit before tax	₹ crore	10,456	8,390	10,574
Net tax expense/(benefit)	₹ crore	2,500	1,584	2,594
Profit for the year	₹ crore	7,955	6,805	7,980
Earnings per equity share	₹ crore	18.83	16.11	18.89



ENVIRONMENT

MATERIALS USED

	UNITS OF MEASURE	FY18-19			FY19-20			FY20-21		
		MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL
Raw Material	Million MT	14.18	0.00	14.18	14.42	0.00	14.42	15.45	0.00	15.45
Semi-manufactured goods or parts	Million MT	0.00	2.44	2.44	0.00	2.36	2.36	0.00	2.54	2.54
Associated Process Materials	Million MT	0.60	0.51	1.11	0.48	0.52	1.00	0.48	0.49	0.97
Packing Material	MT	0.00	403	403	0.00	381	381	0.00	314	314

ENERGY CONSUMPTION

	UNITS OF MEASURE	FY18-19			FY19-20			FY20-21		
		MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL
Direct Energy	Million GJ	9.05	37.49	46.54	8.35	36.29	44.64	8.12	37.19	45.31
Indirect Energy	Million GJ	0.18	0.56	0.73	0.38	0.73	1.11	0.48	0.86	1.34
Renewal energy (Solar energy)	Million GJ	0.07	0.10	0.17	0.109	0.177	0.285	0.186	0.115	0.300
Renewal energy (WHRB)	Million GJ	0.00	0.58	0.58	0.00	0.52	0.52	0.00	0.73	0.73

TOTAL ENERGY CONSUMPTION

	UNITS OF MEASURE	FY18-19			FY19-20			FY20-21		
		MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL
Fossil fuels purchased and consumed	Million mwh			12.90			12.40			12.59
Electricity purchased	Million mwh			0.20			0.31			0.37
Total renewable energy purchased or generated	Million mwh			0.209			0.225			0.287
Total non-renewable energy sold	Million mwh			0.023			0.015			0.009
Total non-renewable energy consumption	Million mwh			13.08			12.71			12.96
Total costs of energy consumption	₹ crore			2,419			2,206			2082

WATER WITHDRAWAL

	UNITS OF MEASURE	FY18-19			FY19-20			FY20-21		
		MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL
Ground water	Million m3	3.13	0.08	3.21	3.05	0.06	3.11	3.32	0.05	3.37
Surface water	Million m3	5.58	14.10	19.68	4.47	12.28	16.75	4.86	12.63	17.49
Rainwater	Million m3	0.00	0.01	0.01	0.00	0.01	0.013	0.00	0.02	0.02
Waste water from another organization	Million m3	1.15	5.02	6.17	0.82	5.93	6.75	0.52	6.66	7.18
Municipal water supplies or other water utilities	Million m3	0.03	0.09	0.12	0.01	0.09	0.10	0.0002	0.00	0.0002
Total net fresh water consumption	Million m3			20.76			18.28			19.04
Water Recycled	Million m3	10.23	5.49	15.72	11.42	4.68	16.10	11.90	4.84	16.74

AIR EMISSIONS

	UNITS OF MEASURE	FY18-19			FY19-20			FY20-21		
		MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL
PM Emission from stacks	MT			1,155			1,027			1,097
SOx Emission from stacks	MT			30,235			23,069			19,600
Nox Emission from stacks	MT			8,642			8,913			8,098

GHG EMISSIONS*

	UNITS OF MEASURE	FY18-19			FY19-20			FY20-21		
		MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL
Scope I Emission	Million MTCO ₂ e			4.70			4.48			4.49
Furnace oil (FO)	Million MTCO ₂ e			0.00			0.00			0.000
High Speed Diesel (HSD)	Million MTCO ₂ e			0.20			0.188			0.160
Propane	Million MTCO ₂ e			0.01			0.01			0.00042
Liquified Petroleum Gas (LPG)	Million MTCO ₂ e			0.001			0.001			0.001
Coal	Million MTCO ₂ e			4.19			4.04			4.09
Coke	Million MTCO ₂ e			0.30			0.25			0.20
Pyrolysis Oil	Million MTCO ₂ e			0.00			0.00			0.00
LSHS	Million MTCO ₂ e			0.00			0.00			0.00
LDO	Million MTCO ₂ e			0.00			0.00			0.021
PNG	Million MTCO ₂ e									0.014
Scope II Emission	Million MTCO ₂ e			0.17			0.25			0.31
Scope III Emission	Million MTCO ₂ e			4.24			4.18			4.28

WASTE GENERATION

	UNITS OF MEASURE	FY18-19			FY19-20			FY20-21		
		MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL	MINES	SMELTERS	TOTAL
Hazardous Waste	Million MT	0.00	0.07	0.07	0.00	0.08	0.08	0.00	0.09	0.09
Non-Hazardous Waste	Million MT	0.04	1.07	1.11	0.05	1.12	1.17	0.06	1.116	1.18
Overburden/ Waste Rock	Million MT	3.18	0.00	3.18	3.20	0.00	3.20	3.38	0.00	3.38
Tailings	Million MT	12.37	0.00	12.37	12.62	0.00	12.62	13.41	0.00	13.41
Total waste disposed #	Million MT			11.50			11.82			12.30

* GHG emissions have been computed in line with the Greenhouse Gas Protocol: Corporate Accounting and Reporting Standard, evaluated by a third party as per the ISAE 3410 standard

Waste disposal quantity is provided for the Hazardous Waste given which is being disposed in the Secure Landfill (SLF) and the common Treatment, Storage and Disposal Facility (TSDF), tailing which is being disposed in tailings dam, Jarosite or Jarofix are disposed in Jarosite pond or yard and overburden at dump area. Our Non-hazardous Waste is being sold or stored in the store yard.



HEALTH AND SAFETY

HEALTH & SAFETY INDICATORS*

	UNITS OF MEASURE	FY18-19	FY19-20	FY20-21
FATALITIES				
Full-time Employees	Number	2	0	0
Contract Employees	Number	5	2	0
LOST TIME INJURY FREQUENCY RATE				
Full-time Employees	Numbers per million hours worked	0.64	0.68	0.25
Contract Employees	Numbers per million hours worked	0.64	1.50	1.10
Overall Hindustan Zinc	Numbers per million hours worked	0.63	1.38	0.97
TOTAL RECORDABLE INJURY FREQUENCY RATE				
Full-time Employees	Numbers per million hours worked	1.17	1.24	1.38
Contract Employees	Numbers per million hours worked	1.37	2.94	2.78
Overall Hindustan Zinc	Numbers per million hours worked	1.30	2.70	2.57
OCCUPATIONAL DISEASE RATE	Numbers per million hours worked	0.00	0.00	0.00
PROCESS INCIDENTS	Numbers	1,282	1,518	2,689

* As per ICMM Guidelines

LEADING INDICATORS

	UNITS OF MEASURE	FY18-19	FY19-20	FY20-21
Near Miss	Number	14,298	15,323	17,484
Unsafe Acts	Number	2,07,638	2,03,966	2,21,585
Unsafe Conditions	Number	62,123	55,739	51,724



HUMAN RESOURCE

HUMAN RESOURCE INDICATORS

WORKFORCE	UNITS OF MEASURE	FY 18-19			FY 19-20			FY 20-21		
		MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL	MALE	FEMALE	TOTAL
Full-time Employees*	Number	3,823	376	4,199	3,771	427	4,198	3,318	401	3,719
Contract Employees	Number	17,268	116	17,384	14,818	136	14,954	18,154	132	18,286
New Hires	Number	313	81	394	443	129	572	236	71	307
New Hire Rate	Percentage			9.38			13.63			8.52
New Hires (Age-wise split)										
Less than 20 years	Number	0	1		0	0	0	0	0	0
20-30 years	Number	284	75	359	404	127	531	143	57	200
31-45 years	Number	23	4	27	27	2	29	90	13	103
46-58 years	Number	6	1	7	12	0	12	3	1	4
Employee Turnover Rate	Percentage			16.72			13.41			19.30
Employee Trainings										
Full-time Employees*	Man hours	78,722	6,362	85,084	1,38,466	26,374	1,64,840	1,18,286	14,619	1,32,905
Contract Employees	Man hours			477,671			6,95,932			89,757

*including workman