

Grasim Industries Ltd.

Disclosure on Environmental Indicators Viscose Staple Fibre, Chemicals, Fertilizers & Insulators Businesses

Water:

We at Grasim Industries understands that water is a key resource and needs to be used responsibly with equitable sharing by end users, respecting the diversity of needs.

Protecting and conserving water resources through excellent water management practices and governance systems are a priority for us and is integral to our commitment towards water stewardship.

Indicator	UoM	FY'16	FY'17	FY'18	FY'19
Total municipal water supplies (or from other utilities)	Million cubic meters	5.79	7.10	7.19	8.27
Fresh surface water (lakes, rivers, etc.)	Million cubic meters	50.40	47.31	44.26	43.38
Fresh ground water	Million cubic meters	2.88	2.81	2.78	2.19
Water returned to the source of extraction	Million cubic meters	30.75	29.14	26.13	25.11
Total net fresh water consumption	Million cubic meters	28.32	28.08	28.10	28.74

Emissions:

We are committed to keeping our emissions within permissible limits, as well finding innovative solutions to reduce emissions.

We currently monitor Scope 1 and Scope 2 GHG emissions, emissions of SO_x, NO_x and PM (particulate matter) and other gases. Scope 1 GHG emissions includes emissions due to usage of primary fuels and Scope 2 GHG emissions are mainly from the purchased electricity.

Indicator	UoM	FY'16	FY'17	FY'18	FY'19
Scope 1 GHG Emissions	Metric tonnes (CO ₂ eq.)	37,39,504	36,91,464	38,96,241	38,49,654
Scope 2 GHG Emissions	Metric tonnes (CO ₂ eq.)	15,46,562	15,08,658	16,17,033	18,96,129
NO _x Emissions	Metric tonnes	220	4,046	2,585	2,394
SO _x Emissions	Metric tonnes	2,186	4,975	5,141	5,316
Dust Emissions	Metric tonnes	655	1,960	1,711	1,421

Energy:

Coal is the main energy source we use in our company and we purchase electricity from national grid.

Indicator	UoM	FY'16	FY'17	FY'18	FY'19
Fossil Fuels	MWh	1,66,10,412	1,65,37,793	1,72,68,385	1,70,80,452
Electricity (Non-renewable) purchased	MWh	14,42,512	14,34,170	15,16,548	17,74,204
Steam/Heating/Cooling and other energy (non-renewable) purchased	MWh	4,64,787	4,18,245	4,47,490	5,23,120
Total Renewable energy purchased/generated	MWh	7,16,865	6,17,702	5,15,862	6,85,960
Total non-renewable energy sold	MWh	2,35,307	1,79,315	2,23,488	3,88,694
Total Non-Renewable Energy Consumption	MWh	1,82,82,404	1,82,10,893	1,90,08,935	1,89,89,082
Total Cost of Non-Renewable Energy consumption	INR	14,03,75,00,000	14,90,26,00,000	22,89,71,00,000	30,11,71,00,000

Waste:

We ensure that waste generated from our operations is handled/ treated as per the regulatory requirements.

The hazardous waste generated at our units is either supplied to authorized recyclers, disposed through Treatment Storage and Disposal Facilities, or supplied to other industries as raw material.

Indicator	UoM	FY'16	FY'17	FY'18	FY'19
Total Waste Generated	Metric tonnes	18,27,246	6,58,534	6,80,733	6,86,487
Total Waste recycled/sold/reused	Metric tonnes	6,84,848	6,48,840	6,62,203	6,78,216
Total Waste Disposed	Metric tonnes	3,19,365	3,49,113	3,70,940	3,39,580