



PROTECTING THE ENVIRONMENT



OVERVIEW

Enshrined in the set of 13 guiding principles that govern our operations at Edelweiss, are two tenets that show our commitment to 'focusing on the long term' and 'obeying and complying with the rules of the land'. They also form the mainstays of our drive towards protecting and nurturing the environment. Our very credo, 'Ideas Create, Values Protect', proclaims our intention to use our values as the bedrock of our stewardship of the environment, now and always.

Headquartered in financial capital of India, we are governed by the guidelines of the Maharashtra Pollution Control Board (MPCB), within the overall oversight of the Central Pollution Control Board (CPCB) at the national level, and have conscientiously endeavored to adhere to the requirements of both the entities. Edelweiss Group has been assiduously following all applicable rules, regulations, guidelines, and recommendations of both the MPCB as well as the CPCB, and there have been no cases of non-compliance in this financial year, nor in the preceding financial years.

WATER AND LIVELIHOODS

Through contextual and targeted interventions, EdelGive Foundation is working with NGO partners in remote parts of rural India to build resilience amongst communities and conserve water and other resources optimally. Through interventions with its NGO partners EdelGive has:

- Supported (construction or repairs) of 298 (82 in FY21) watershed structures for water conservation
- Brought under irrigation 1,553 hectares of land (342 in FY21), for enhanced agriculture yield
- Supported 13,442 families (2,914 in FY21) through sustainable livelihood programmes
- Supported 11,568 farmers (2,121 in FY21) for climate smart agriculture/organic farming

AFFORDABLE AND CLEAN ENERGY

We are committed to improving energy efficiency and increasing the proportion of renewable energy usage across our operations, through investments in sustainable energy solutions.

ENERGY CONSUMPTION

Over the past 3 years, we are steadily reducing our dependence on grid electricity and augmenting electricity generation at our premises wherever possible. Our total consumption shows a favourable trend for FY21 due to Covid and its impact on the consumption and generation/utilization on the solar & wind electricity front.

Table 1: Total electricity consumption ¹

Mwh	Total Electricity Consumption	Electricity Generated	Electricity Purchased
FY 20-21	7,456	833	6,623
FY 19-20	8,115	1,677	6,437
FY 18-19	8,819	1,665	7,154

¹Data is for Edelweiss House, Kohinoor House & Fountainhead (our leadership development centre) locations which account for ~33% of the total workforce



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Mwh	Total Electricity Consumption	Renewable Sources	Non- Renewable Sources
FY 20-21	7,456	1,084	6,371
FY 19-20	8,115	3,636	4,478
FY 18-19	8,819	4,387	4,432

Share of renewable sources in total electricity consumption has decreased. Cooling consumption for FY 21 was 872 Mwh.

During the last financial year due to COVID, we had negligible air fuel emissions as business travel got reduced drastically

Table 2: Air Fuel Emissions ¹

KiloTon	Air Fuel Emissions
FY 20-21	0.2
FY 19-20	7.9
FY 18-19	8.9

ENERGY INTENSITY ¹

In a pandemic driven environment, energy intensity reduced to 136 Kwh/sq. mt. p.a. which is 19% lower than BEE standards.

Table 3: Energy Intensity

	Total Energy Consumption (Mwh)	Area - Space (sq.mt.)	Energy Intensity (Kwh/sq.mt. p.a)
FY 20-21	7,456	54,797	136
FY 19-20	8,115	54,797	148
FY 18-19	8,819	53,805	164

ENERGY SAVING INITIATIVES

In FY 2020-21, we reduced our total electricity consumption by 8% from the previous year's consumption levels. This was achieved by implementing various energy consumption optimization initiatives.

- **Solar Power Captive Generation:** Solar Power Installation of 1.2 MW capacity at Solapur, Maharashtra for Edelweiss House. This plant generated electricity of 777 Mwh during the year which led to savings in carbon emission of 583 tonnes
- **Solar Roof-Top Generation:** Solar Power Installation of 0.06 MW capacity at Alibaug, Maharashtra for Fountainhead. This plant generated electricity of ~47 Mwh during the year which led to savings in carbon emission of 35 tonnes



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- **Wind Power Purchase Agreement:** Wind Power under purchase agreement for Edelweiss House is 2.8 MW capacity and generated 260 Mwh in FY21 and led to savings in carbon emission of 195 tonnes.

Other Measures:

- Across all offices and other sectors, Edelweiss has converted 85% of Fixtures from conventional lighting to LED
- Automatic switches and sensors have been installed in unmanned areas to reduce/optimize energy consumption
- Sleep mode and Night mode lighting automation has been enabled to conserve electricity
- Unit Power Factor is maintained through 600KVAR APFC panel in auto mode at Edelweiss House
- Default ambient temperature of all Public areas and Meeting Rooms has been set at 24°-26°C as per Bureau of Energy Efficiency (BEE) and government regulations
- HVAC schedule running operation has been modified, helping us reduce the unnecessary running of ACs
- In our Alibaug Leadership Centre - Fountainhead, the Swimming Pool pump operation has been revised as per chemical and load demand. A Stop Flooded conventional sediment filter process has been introduced to reduce the pump operation
- We have integrated Air Handling Unit (AHU) variable frequency drive with AHU room sensors, which modulates the Variable Frequency Drive (VFD) on sensing the return air temperature

WATER CONSUMPTION ¹

Total water consumption reduced by 76% in FY21 as most of our employees operated through their homes for the major part of the year.

Megalitres	Total Water withdrawal	Surface water	Ground Water	Third Party Water
FY 20-21	14.2	0	4.8	9.4
FY 19-20	59.9	0.3	8.2	51.4
FY 18-19	62.4	0.3	10.6	51.6

WATER CONSERVATION INITIATIVES

- Reduction of water consumption through use of Fine Aerator and regulating the flow
- Saving water by installing waterless pots at all urinals
- Recharging grid lines installed for water charging from canal during monsoon
- 1.4 Megalitres of waste and sewage water has been recycled through a sewage treatment plant and been supplied to the garden

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EMISSIONS ¹

On the Emissions front, Edelweiss achieved a reduction of over 64% in FY21. Direct Emissions include emissions on account of paper (across our three properties) and our owned car at Fountain Head Leadership Centre. Indirect Emissions include emissions through electricity consumed through non-renewable sources and Other Indirect Emissions include air travel of our employees for business purposes.

Direct and Indirect emissions:

Kilo Tonnes	Direct Emission (Scope 1)	Indirect Emission (Scope 2)	Other Indirect Emission (Scope 3)
FY 20-21	-	4.8	0.2
FY 19-20	2.5	3.4	7.9
FY 18-19	2.7	3.3	8.9

Scope 1 emissions was Nil during the year

GHG INTENSITY

Greenhouse Gases (GHG) are one of the key factors in environmental safety & planet-friendly practices. Edelweiss too recognizes the importance of reducing our GHG footprint in a phased & focused manner. In FY21, we have achieved a reduction of 64% in our GHG intensity.

Year	Total Emissions (Kilo Tonnes)	Area - Space (sq.ft.)	Total Emissions/area (Kg/sq.ft. p.a.)
FY 20-21	5.0	589,617	8.5
FY 19-20	13.9	589,617	23.5
FY 18-19	14.9	578,939	25.8

RESPONSIBLE CONSUMPTION AND PRODUCTION ¹

The tradition of adopting responsible waste management systems and practices is engrained in the Edelweiss DNA. The **3Rs of Waste Management**, viz. **Reduce, Reuse and Recycle** have been organically incorporated in our day-to-day routines.

As a financial services organisation, paper is one the primary resources consumed at Edelweiss. Whether Customer Application Forms, Marketing & Informational Literature, Transaction Slips, Receipts, Invoices, or Bills, paper is consumed across business groups.

By emphasising paperless transactions and providing adequate communication for the same, we constantly seek to **Reduce** the use of this valuable resource. Additionally, all accumulated wastepaper is handed over to associated partner NGOs, who then **Recycle** the same into 'Green' Edelweiss Writing Pads, which all Edelweiss employees **Reuse** in their office routines.

We also have a dedicated team for both Wet & Dry Waste Management - approximately 3.96 tonnes of food waste were annually converted into compost in our captive pits, which is then utilized by our



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Gardening team for the vegetation within our premises. We are also inching closer to reduce the use of Bottled Water by shifting to Jar Water Supply to employees and guests alike. This year, we have recycled 1.4 mega Litres of Sewage Water to reusable form by means of anaerobic digestion and delivered the same through optimal irrigation systems for our gardening purposes.

PAPER CONSERVATION AND WASTE MANAGEMENT INITIATIVES¹

Initiatives for Paper Conservation & Waste Management



Plastic Water Bottle Consumption reduced by 12K bottles



3.96 Tonnes of Food Waste Converted into Compost by Composting Machine



3.2 Tonnes of Paper Waste Converted into Green Edelweiss Writing Pads with the help of associated NGOs

Bottle Cans	Number of pcs (approx.)
FY 20-21	26,000
FY 19-20	38,000
FY 18-19	46,500

Food Waste converted into compost	In Tonnes
FY 20-21	3.96
FY 19-20	7.34
FY 18-19	4.85

Sewage Recycled	Mega Litres
FY 20-21	1.4
FY 19-20	8.8
FY 18-19	6.1

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