



**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 216 (148 in FY20) watershed structures for water conservation
- Brought under irrigation 1,212 hectares of land (284 in FY20), for enhanced agriculture yield
- Supported 10,528 families (5,438 in FY20) through sustainable livelihood programs
- Supported 9,447 farmers (2,149 in FY20) 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 FY20 and we have also made good progress on the solar & wind electricity generation front.

**Table 1: Total electricity consumption <sup>1</sup>**

Mwh	Total Electricity Consumption	Electricity Generated	Electricity Purchased
FY 19-20	8,115	1,677	6,437
FY 18-19	8,819	1,665	7,154
FY 17-18	8,779	1,562	7,216

Mwh	Total Electricity Consumption	Renewable Sources	Non- Renewable Sources
FY 19-20	8,115	3,636	4,478
FY 18-19	8,819	4,387	4,432
FY 17-18	8,779	1,562	7,217

Share of renewable sources in total electricity consumption has increased by 2.3x since FY18. Cooling consumption for FY 20 was 3,072 Mwh.

During the last financial year, we have rationalized business travel requirements of all applicable Edelweiss employees, thereby reducing our Air Fuel Emissions by a healthy 11% in FY20.

**Table 2: Air Fuel Emissions <sup>1</sup>**

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

### ENERGY INTENSITY <sup>1</sup>

Despite the increase in business volume and emerging energy needs, over the last financial year we have managed to reduce our energy intensity to 148 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 19-20	8,115	54,797	148
FY 18-19	8,819	53,805	164
FY 17-18	8,779	53,359	165

### ENERGY SAVING INITIATIVES

In FY 2019-20, 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 1,687 Mwh during the year which led to savings in carbon emission of 1,265 tonnes

- **Solar Roof-Top Generation:** Solar Power Installation of 0.06 MW capacity at Alibaug, Maharashtra for Fountainhead. This plant generated electricity of ~54 Mwh during the year which led to savings in carbon emission of 41 tonnes
- **Wind Power Purchase Agreement:** Wind Power under purchase agreement for Edelweiss House is 2.8 MW capacity and generated 2,756 Mwh in FY20 and led to savings in carbon emission of 2,067 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 <sup>1</sup>

Total water consumption reduced by 4% in FY20.

Megalitres	Total Water withdrawal	Surface water	Ground Water	Third Party Water
FY 19-20	59.9	0.3	8.2	51.4
FY 18-19	62.4	0.3	10.6	51.6
FY 17-18	59.8	0.4	10.2	49.2

## 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
- Saving of 0.73 Megalitres of water through rainwater harvesting
- Borewell has been installed with tube settler mechanism which collects the water from canal flowing during monsoon and transports the collected volume to the bore casing through a sediment filter
- 8.8 Megalitres of waste and sewage water has been recycled through a sewage treatment plant and been supplied to the garden

## EMISSIONS <sup>1</sup>

On the Emissions front, Edelweiss achieved a reduction of over 7% in FY20. 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)
<b>FY 19-20</b>	2.5	3.4	7.9
<b>FY 18-19</b>	2.7	3.3	8.9

## 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 FY20, we have achieved a reduction of 9% in our GHG intensity.

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

## RESPONSIBLE CONSUMPTION AND PRODUCTION <sup>1</sup>

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.

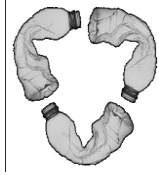
As a financial services organisation, paper is one the primary resources consumed at Edelweiss. Whether Customer Application Forms, Marketing & Informational Literature, Transaction Slips, Receipts, Invoices, or Bills, paper is consumed across business groups.

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 7.34 tonnes of food waste is annually converted into compost in our captive pits, which is then utilized by our 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 8.8 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 INITIATIVES<sup>1</sup>

### Initiatives for Paper Conservation & Waste Management



Plastic Water Bottle Consumption reduced by 8.5K bottles



32.4 Tonnes of E-Waste Recycled



7.34 Tonnes of Food Waste Converted into Compost by Composting Machine



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

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

Food Waste	In Kgs
FY 19-20	7,340
FY 18-19	4,852

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



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