



IndianOil

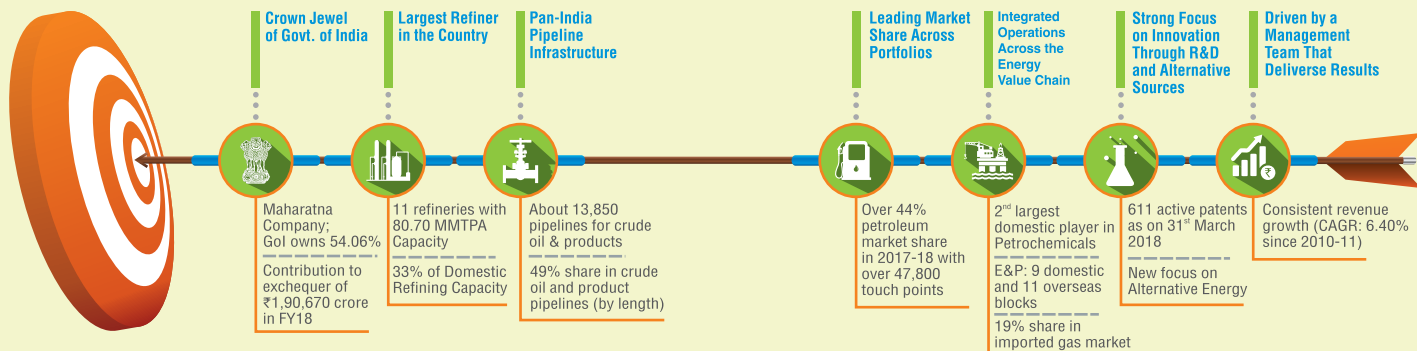
# Harnessing Energy to **Nurture Nature**

SUSTAINABILITY INITIATIVES

 **Future-Ready** *with*  
**Passion for Excellence**



# IndianOil– The Energy of India



“IndianOil has been fuelling the growth of the nation with quality fuels in a safe, affordable, reliable and sustainable manner. Our business strategy supports India's commitment towards Paris Agreement within UNFCCC. For this, we are focusing on climate-friendly green fuels, renewable energy options, operational excellence, energy efficiency and conservation measures, mitigation of greenhouse gas emissions, waste disposal, etc.”

- Sanjiv Singh  
Chairman, IndianOil

## Sustainable Development Initiatives



## Sustainability Performance 2017-18

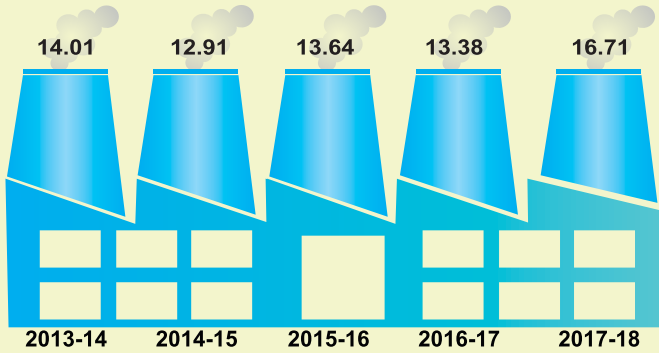
Achieved lowest ever Energy Intensity Index: 98.5	Commenced supply of BS-VI compliant in Delhi: 01 <sup>st</sup> April 2018	Achieved lowest ever Specific Energy Consumption (MBN): 72.61	Fuel savings through ENCON measures (SRFT): 63,093
Emission reduction through pipeline transportation (tCO2e): 7,85,080	CSR expenditure (₹ Crore): 331.05	Ethanol blending achieved(%): 2.80	Customer touch points added: 1,500+
Fuel Stations solarised (Nos.): 2,533	Renewable Energy generation (GWh): 337	LPG connections released under PMUY scheme (Lakh Nos.): 73.80	Patents filed: 82
			R&D expenditure (₹ Crore): 316.63



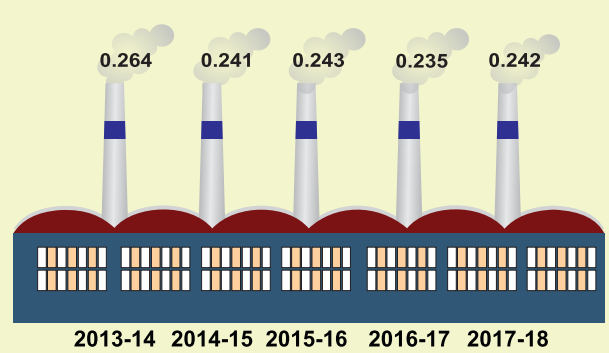
# Carbon Management

IndianOil carries out carbon footprinting across its installations every year through which it identifies the various measures to reduce carbon footprint. The Corporation has set a voluntary target to reduce its specific carbon footprint by 18% by 2020 compared to 2012-13 level and achieved a reduction of 7.45% by the end of 2017-18. Further, power generation from renewable energy projects has helped reduce carbon emissions by 277 TMTCO<sub>2</sub>e in 2017-18.

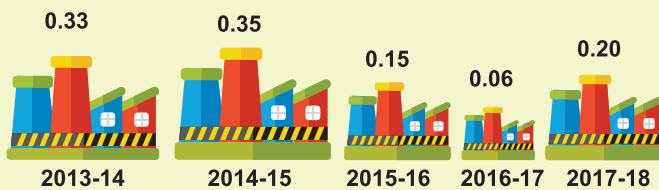
**Year-on-year Scope 1 & Scope 2 emissions (in million metric tonnes of CO<sub>2</sub>e)**



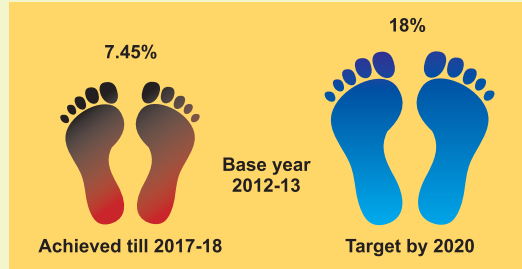
**Year-on-year Specific emissions (in tCO<sub>2</sub>e/MT of crude throughput)**



**Emission reduction due to ENCON projects (in million tCO<sub>2</sub>e)**



**Specific carbon footprint reduction**



**Emissions avoided through pipeline transportation (in tCO<sub>2</sub>e) in 2017-18**

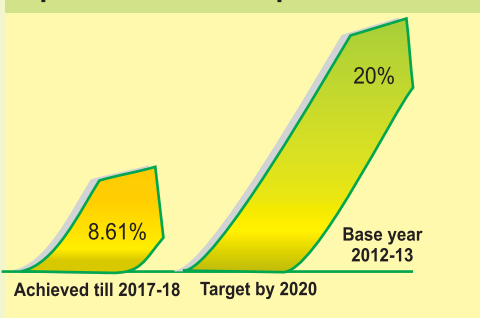


IndianOil has undertaken initiatives for organising carbon-neutral events by sequestering emissions generated from these events by way of three plantations. As on 31<sup>st</sup> March 2018, 107 events were made carbon neutral.

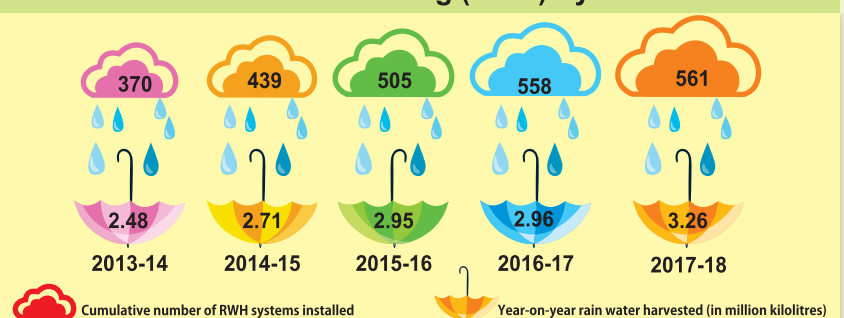
The Corporation intends to replace all the conventional lighting with LED lighting at our installations. As on 31<sup>st</sup> March 2018, 3.4 lakh LED lights were installed in various locations.

# Water Management

**Specific water footprint reduction**



**Rainwater Harvesting (RWH) Systems**



# Waste Management



Recycled around 130 tonnes of waste paper.



Commissioned two waste-to-energy plants of 5 tonnes per day capacity each, at Varanasi, under Swachh Bharat Abhiyan, taking the total number of waste-to-energy plants to three.



Exploring opportunities to market Bio-CNG produced from agriwaste, industrial waste, municipal solid waste through fuel stations.



Setting-up three 2nd Generation Ethanol production plants at Panipat (Haryana), Gorakhpur (UP) and Dahej (Gujarat) of 100 kl per day capacity each.

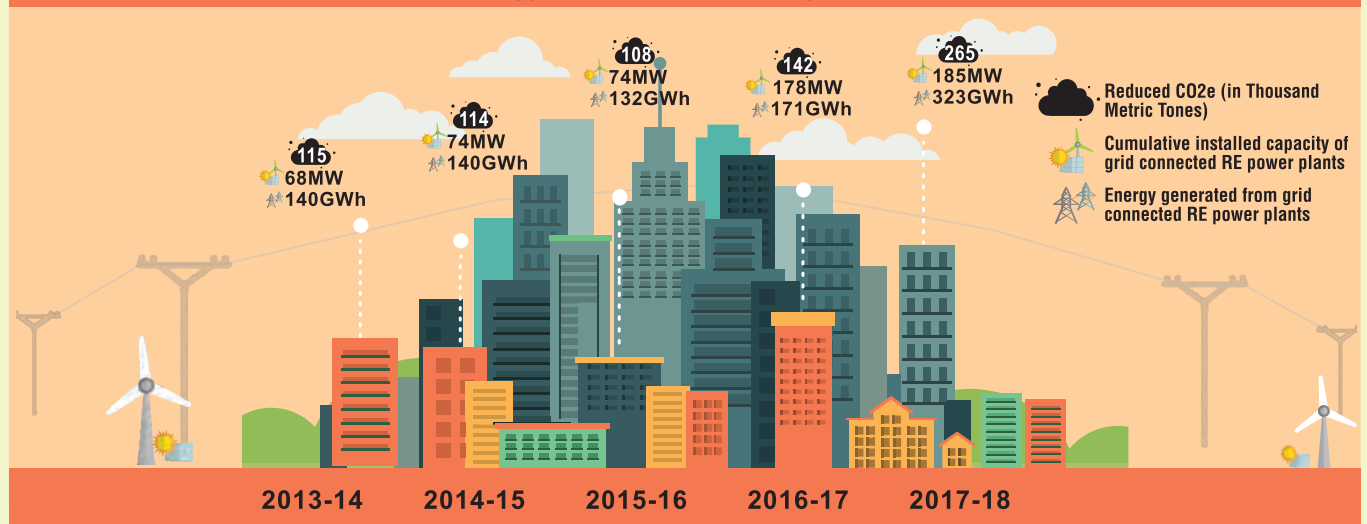


338 tonnes of organic waste was treated through biogas plants/OWCs installed at various units. Biogas generated used for cooking purpose.

## Alternative Energy

IndianOil has strong focus on the country's transition towards clean energy and is committed to increase its renewable energy capacity to 260 MW by 2020. The Corporation has cumulatively commissioned 185 MW of grid-connected renewable power as on 31<sup>st</sup> March 2018, which includes 168 MW of wind power and 17.5 MW of solar power. The Corporation generated 323 GWh of renewable energy which corresponds to reduction of GHG emissions by 265 TMTCO<sub>2</sub>e (thousand metric tonne carbon dioxide equivalent).

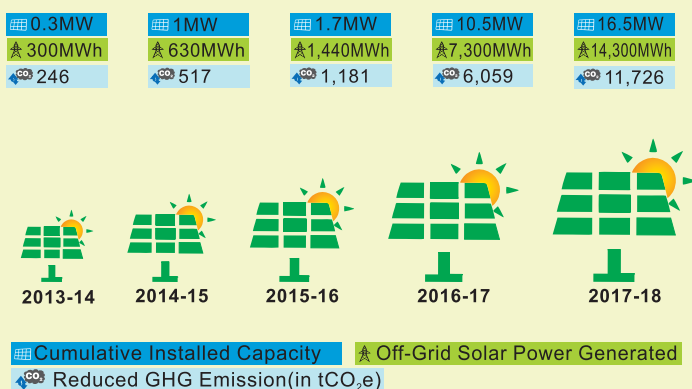
### Grid-connected Renewable Energy-Installed Capacity, Generation & Emission Reduction



## Off-Grid Solar Projects

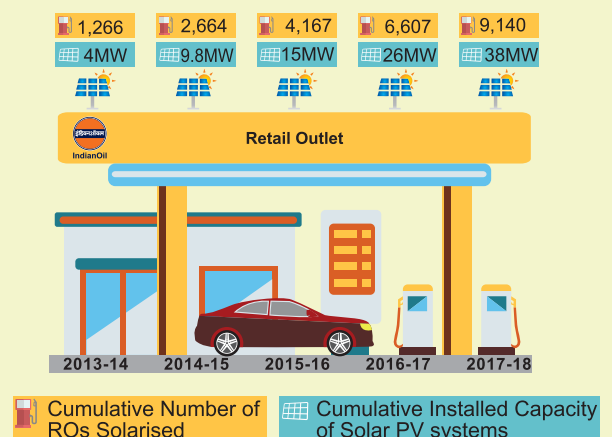
As on 31<sup>st</sup> March 2018, IndianOil has cumulatively installed 16.5 MW of off-grid solar power systems across its installations. The power generated from off-grid solar power is estimated to be 14 GWh during the year 2017-18, which corresponds to GHG emissions reductions by 12 TMTCO<sub>2</sub>e (thousand metric tonnes carbon dioxide equivalent).

### Off-Grid Solar Power



## Fuel Station Solarisation

Fuel Station solarisation is a flagship programme of the Corporation aimed at creating positive environmental impact by reducing the fuel stations dependence on diesel generators. As on 31<sup>st</sup> March 2018, 9,140 fuel stations have been solarised with a cumulative off-grid solar power installed capacity of 38 MW.



IndianOil

**Indian Oil Corporation Limited**  
**Corporate Office**

3079/3, Sadiq Nagar, J.B. Tito Marg,  
New Delhi-110049