

## **RIL commissions the world's largest refinery off-gas cracker at Jamnagar**

- **RIL joins the distinguished league of top 5 petrochemical producers globally by doubling its ethylene capacity**
- **Jamnagar becomes home to world's largest operating refinery off-gas cracker**
- **Feedstock integration with Jamnagar refineries to provide sustainable cost advantage over global peers**

**Mumbai, 2<sup>nd</sup> January 2018:** Reliance Industries Limited (RIL) has successfully commissioned and achieved design throughput of the world's first ever and largest Refinery Off-Gas Cracker (ROGC) complex of 1.5 MMTPA capacity along with downstream plants and utilities. The ROGC complex is a core component of RIL's most innovative and world-scale J3 project at its integrated Refinery-Petrochemicals complex at Jamnagar.

With the commissioning of ROGC complex, the largest ever expansion of RIL's petrochemicals portfolio comes to a flawless completion. This is one of the largest capital expenditure programme globally in the sector in recent times. It epitomises RIL's core strategy of continuously pursuing opportunities for cost optimisation and efficiency enhancement through vertical integration across the value chain.

The ROGC complex has a unique configuration as it uses off-gases from RIL's two refineries at Jamnagar as feedstock. This innovative approach of integration with refineries provides a sustainable cost advantage, making ROGC competitive with respect to the crackers in Middle-East and North America which have feedstock cost advantage.

ROGC design is highly flexible and energy efficient. Given the complexities of such a plant, the start-up has been flawless adhering to the most stringent safety and technical integrity standards globally.

ROGC is the latest addition to RIL's existing cracker portfolio, consisting of cracker facilities at Nagothane in Maharashtra and Hazira, Dahej and Vadodara in Gujarat.

## Media Release

---

There are nearly 270 Ethylene plants globally with a combined capacity of over 170 MMTPA. RIL's combined ethylene capacity is now close to 4 MMTPA at five of its manufacturing sites. With ROGC and imported Ethane, RIL has one of the most competitive and flexible cracker portfolio.

Ethylene from ROGC is used in downstream plants to produce Mono-Ethylene Glycol (MEG) and Polyethylene (LLDPE and LDPE). Similarly, Propylene from ROGC has enhanced output of the existing Polypropylene (PP) plants at Jamnagar complex to produce high-value co-polymers.

The commissioning of MEG plant marks completion of all-round expansion of the polyester value chain post successful commissioning of Para-Xylene (PX), Purified Terephthalic Acid (PTA), Polyester filament and Poly Ethylene Terephthalate (PET) plants over last 3 years.

With the commissioning of LLDPE and LDPE plants at Jamnagar along with its existing PE plants at other manufacturing sites, RIL has capability to produce entire range of PE grades covering all end-uses in the Indian market.

The ROGC complex is built in a record time with approximately 40% lower capital cost compared to the similar projects globally. The unique configuration with sustainable cost advantage, competitive project schedule, lower capital cost and incident-free flawless start-up makes ROGC complex as one of the best executed project globally from concept to commissioning.

While commenting on this path breaking accomplishment, **Mr. Mukesh D. Ambani, Chairman and Managing Director, Reliance Industries Limited** said: "The world's first ROGC and downstream plants marks a paradigm shift in the profitability and sustainability of RIL's petrochemicals business. The ROGC complex is built on our core philosophy of deep feedstock integration to establish industry leading cost and efficiency benchmarks. This world scale petrochemicals expansion, once again showcases RIL's unique competitive advantage in efficient execution of complex projects and flawless commissioning capabilities, adding yet another jewel to its crown. This is a fitting tribute to RIL's visionary Founder Chairman Shri Dhirubhai H. Ambani".

---

**Registered Office:**  
Maker Chambers IV  
3rd Floor, 222, Nariman Point  
Mumbai 400 021, India  
CIN: L17110MH1973PLC019786

**Corporate Communications**  
Maker Chambers IV  
9<sup>th</sup> Floor, Nariman Point  
Mumbai 400 021, India

Telephone : (+91 22) 2278 5000  
Telefax : (+91 22) 2278 5185  
Internet : [www.ril.com](http://www.ril.com)

# Media Release

---

## **About Reliance Industries Limited**

RIL is India's largest private sector company, with a consolidated turnover of INR 330,180 crore (\$ 50.9 billion), cash profit of INR 42,800 crore (\$ 6.6 billion), and net profit of INR 29,901 crore (\$ 4.6 billion) for the year ended March 31, 2017.

RIL is the first private sector company from India to feature in Fortune's Global 500 list of 'World's Largest Corporations' – currently ranking 203rd in terms of revenues, and 110th in terms of profits. The company stands 106th in the 'Forbes Global 2000' rankings for 2017 – the top-most among Indian companies. It ranks 10th in LinkedIn's 'Top Companies Where India Wants to Work Now' (2017). RIL's activities span hydrocarbon exploration and production, petroleum refining and marketing, petrochemicals, retail and 4G digital services.

## **Key Contact:**

Tushar Pania

Reliance Industries Ltd.

+ 91 9820088536

tushar.pania@ril.com