



हिन्दुस्तान पेट्रोलियम कॉर्पोरेशन लिमिटेड  
Hindustan Petroleum Corporation Limited

## HP PMA

Propylene Maximization additive

### HPCL's Initiative towards indigenizing FCC catalyst additives

HP-Propylene Maximization additive (**HP-PMA**) is designed for enhanced propylene yield in FCCU. At present, HPCL is importing the additive for FCCU units. Additive was designed based on fine tuning acidity, accessibility and attrition of the raw materials. No raw materials were imported for the additive. Indigenous development made HPCL self-reliant and contributed towards GOI initiatives like Atma Nirbhar Bharat and Make in India. The developed additive is scaled up to 15 MT and demonstrated successfully at Visakh Refinery.

### Key Differentiators

- ☼ Fine-tuned Acidity for enhanced propylene yield
- ☼ Reduced hydrogen transfer reactions
- ☼ Attrition resistant
- ☼ No imported raw materials



### HP PMA Advantages

- ❖ Increased Propylene yield
- ❖ Improved RON
- ❖ Cost-effective than commercial PMA



Sprayer Dryer Unit

### Commercial Experience

- ☐ Completed field trials at VR-FCCU-1
- ☐ Propylene enhancement: ~0.5 - 1 %



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