



मंगलूर रिफाइनरी एण्ड पेट्रोकेमिकल्स लिमिटेड
MANGALORE REFINERY AND PETROCHEMICALS LIMITED

अनुसूची 'अ' के अंतर्गत भारत सरकार का उद्यम, SCHEDULE 'A' GOVT. OF INDIA ENTERPRISE.
(ऑयल एण्ड नेचुरल गैस कॉर्पोरेशन लिमिटेड की सहायक कंपनी, A SUBSIDIARY OF OIL AND NATURAL GAS CORPORATION LIMITED)
आई.एस.ओ. 9001, 14001 एवं 50001 प्रमाणित कंपनी, AN ISO 9001, 14001 AND 50001 CERTIFIED COMPANY.
सीआईएन /CIN : L23209KA1988GOI008959 / वेबसाइट Website :www.mrpl.co.in

30/05/2025

The Assistant General Manager, Listing Compliance BSE Limited Scrip Code: 500109, ISIN: INE103A01014 Scrip Code (Debenture): 959162, 959250, 960362, 973692	The Compliance & Listing Department National Stock Exchange of India Limited Symbol: MRPL, ISIN: INE103A01014 Debt Security: INE103A08019, INE103A08035, INE103A08043, 1NE103A08050
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Dear Sir/Madam,

Subject: Disclosure under Regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 – Intimation of grant of US Patent.

Pursuant to Regulation 30 of SEBI (Listing Obligations and Disclosures Requirements) Regulations, 2015, we wish to inform that MRPL has received a communication on 29.05.2025 granting US Patents titled, “Isobutyl Benzene and a Process for Synthesis of Isobutyl Benzene by using a Catalyst”. US Patent no. 12,312,290 dated 27.05.2025. PCT application IB2020/055067.


A brief description is enclosed as an attachment herewith.

The above information is also available on the Company's Website at www.mrpl.co.in

You are requested to take this information on record.

Thanking you.

Yours faithfully,
For Mangalore Refinery and Petrochemicals Limited


Premachandra Rao G
Company Secretary

Encl : A/a

PREPARATION OF ISOBUTYL BENZENE AT MRPL

MRPL has recently been granted a US patent for the method of preparation of iso-Butyl Benzene (i-BB), recognizing the novelty and technical excellence of the in-house developed process. This marks a major step forward in establishing MRPL's global footprint in pharmaceutical technology innovation, complementing the previously granted Indian patent. Through this, MRPL achieved a significant breakthrough in pharmaceutical ingredient synthesis by successfully developing an innovative technology for i-BB production. This pioneering process involves the side-chain alkylation of an aromatic moiety from a low-value captive stream, facilitated by a newly engineered catalyst developed at MRPL's Innovation Centre. The catalyst is meticulously designed for high conversion rates and outstanding selectivity towards the desired i-BB product. Iso-Butyl Benzene is a critical intermediate in the synthesis of Brufen, a widely used analgesic drug. By developing this technology indigenously, MRPL reduces dependence on imported materials and strengthens its contribution to the domestic pharmaceutical sector. This advancement underscores MRPL's ongoing commitment to research, innovation, and the development of cutting-edge technologies, enhancing India's pharmaceutical manufacturing capabilities. Currently, MRPL is setting up a pilot plant for i-BB production, a key step towards commercial-scale production.

Patents grant details

US Patent: Patent titled, "Isobutyl Benzene and a Process for Synthesis of Isobutyl Benzene by using a Catalyst". US Patent no. 12,312,290 dated 27.05.2025. PCT application IB2020/055067.