



Press Release

BEML Ltd and NHPC Ltd Sign MoU to Jointly Develop Desilting and Dredging Solutions for Hydroelectric Power Plants

December 16, 2024 | Bengaluru : In a significant move to foster innovation and indigenization, BEML Ltd and NHPC Ltd, two leading Indian Public Sector Undertakings (PSUs), signed a Memorandum of Understanding (MoU) today at BEML Soudha, Bangalore. This partnership aims to establish strategic cooperation for the development of advanced desilting and dredging solutions tailored for hydroelectric power plants. The MoU was formally exchanged between Shri RGK Rao, Head SBU – Aerospace, BEML Ltd, and Shri Uday Shankar Sahi, Executive Director (R&D) of NHPC Ltd, in the presence of Shri Ajit Kumar Srivastav, Director – Defence business and senior officials from both organizations.

This collaboration highlights the commitment of both entities to addressing the critical issue of dam sedimentation by leveraging their combined expertise. The partnership is designed to deliver innovative, “**Make in India**” solutions that will restore power generation efficiency, extend the lifespan of water conductor systems and turbines, and generate significant savings for the national exchequer.

The solutions developed through this initiative will not only cater to hydroelectric power plants but also hold dual-use potential for addressing broader challenges. These products can help mitigate urban waterlogging during monsoons by swiftly clearing canals and culverts, support dredging and desilting operations in inland waterways, coastal areas, ponds, and lakes, and align with India’s ambitious Maritime Vision 2030 and Sagarmala programs.

Upon successful implementation in pilot projects, the solutions are expected to be replicated across other hydroelectric plants, further strengthening India’s renewable energy infrastructure. This collaborative effort is set to significantly enhance operational efficiency while contributing to sustainable urban planning by alleviating flooding risks and improving water management systems.

Shri Shantanu Roy, CMD, BEML Ltd, shared his views, saying, "We are pleased to partner with NHPC Ltd in this ground-breaking initiative aimed at addressing the critical issue of dam sedimentation. This strategic cooperation marks a significant milestone in our commitment to innovation, sustainability, and self-reliance. By leveraging our collective strengths, we aim to develop advanced desilting and dredging solutions that not only enhance the efficiency of hydroelectric power

plants but also contribute to the nation's broader goals of improving infrastructure and water management systems."

Shri R.K. Chaudhary, CMD, NHPC Ltd said, "We are delighted to partner with BEML Ltd to develop cutting-edge desilting and dredging solutions for the hydroelectric power sector. This collaboration is a testament to our commitment to innovation, sustainability, and 'Make in India' initiatives. Together, we aim to increase power generation efficiency, reduce maintenance costs, and contribute to India's ambitious renewable energy goals. This partnership will not only benefit the power sector but also have a positive impact on the environment and local communities. This partnership between BEML and NHPC marks a transformative step toward innovation, sustainability, and national progress. Both organizations reaffirm their commitment to deliver impactful solutions that address immediate challenges and pave the way for a self-reliant, efficient, and future-ready India.

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About BEML – BEML Limited, which is a leading multi-technology 'Schedule A' company under the Ministry of Defence, plays a pivotal role in serving India's core sectors like Defence, Rail, Power, Mining and Construction by offering world class products. BEML operates in three verticals viz. Defence & Aerospace, Mining & Construction and Rail & Metro and has state-of-the-art manufacturing facilities located at Bangalore, Kolar Gold Fields (KGF), Mysore, Palakkad, with having very strong R&D infrastructure and nationwide network of sales and services. BEML Limited, a committed player in the field of manufacturing earthmoving, transportation, and construction equipment, celebrates a rich legacy spanning six decades of relentless pursuit of excellence and innovation. www.bemlindia.in

About NHPC : NHPC Limited is the largest hydropower development organization in India and a Navratna enterprise of Govt. of India with capabilities to undertake all the activities from conceptualization to commissioning of hydro projects. NHPC has also diversified in the field of Solar & Wind energy development etc. NHPC Ltd. NHPC's total installed capacity is 7232.90 MW including 1681.70 MW in Joint Venture, comprising 6971.20 MW from 22 Hydro Power Stations, 211.70 MW from five Solar Power Project and 50 MW from a Wind Power Project. NHPC's hydro share of 6971.20 MW comes to about 14.85% of the country's total installed Hydro capacity of 46928.17 MW. NHPC has an authorized share capital of ₹ 15,000 crores, paid-up share capital of ₹ 10,045.03 crore and an investment base of ₹ 81658.07 crore as on September 30, 2024.

Media Contacts

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Event Pics



