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BHEL bags breakthrough orders in Transportation business for State-of-the-art propulsion equipment for 6000 HP Electric Locomotives and 1400 HP AC EMUs

Bharat Heavy Electricals Limited (**BHEL**) has achieved a major landmark by securing two breakthrough orders from Indian Railways for the development, manufacture and supply of 3-Phase IGBT-based propulsion systems for Electric Locomotives and AC EMUs, hitherto the domain of leading multinational corporations. Cumulatively valued Rs.3,000 Million, the orders for 40 sets for 1400 HP AC EMUs (Electric Multiple Units) and 30 sets for 6000 HP Electric Locomotives, have been bagged amidst stiff competition from leading international suppliers. In the recent past, across the world, the trend has been to switch over from conventional DC drives to 3-Phase AC drives based on Insulated Gate Bipolar Transistor (IGBT) technology which provides advantages like lesser power losses, better control ability, higher performance and reliability. These orders give **BHEL** an opportunity to supply the system within the shortest possible time to Indian Railways in order to become the established supplier for this technology. Both **BHEL** and Indian Railways will benefit from this as **BHEL** will be able to offer products, system and services indigenously eliminating dependence on costly imports and ensuring long term sustenance. In the area of transportation, **BHEL** is the leading supplier of traction equipment and electric locomotives to Indian Railways. Significantly, **BHEL** has partnered Indian Railways for over 40 years for the supply of DC Electric Propulsion Systems and Electric Locomotives. Today, more than two-thirds of the rolling stock of Indian Railways is powered by **BHEL** supplied propulsion equipment. The company is gearing up to meet the emerging demand in the transportation sector which is expected to grow exponentially with Indian Railways planning to enhance capacity in rolling stock. **BHEL** is already executing an order for 200 numbers of 5,000 HP 25 kV AC Mainline Electric Locomotives (Type WAG -7) for Indian Railways. With the present order, Indian Railways have reposed their confidence in **BHEL's** capabilities and technological excellence. **BHEL** has been committed to the nation's infrastructure development programme and has reaffirmed its commitment to the Indian infrastructure sector by equipping itself for the future, by way of technology, facilities and trained manpower. The company is one of the leading engineering and manufacturing organisations in the world, supplying products and systems to core sectors viz. power generation, transmission and distribution, transportation, defence and industries like metallurgical, petrochemicals, refineries, fertilisers, paper, cement, etc., besides oil exploration and production.

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