



Date: - 23/10/2023

To, The Secretary, Listing Department National Stock Exchange of India Ltd. Exchange plaza, BKC, Bandra (E) Mumbai - MH 400051.	To, The Secretary, Corporate Relationship Department BSE Limited P. J. Towers, Dalal Street Mumbai- MH 400001.
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REF: -(ISIN- INE908D01010) SCRIP CODE BSE-531431, NSE Symbol -SHAKTIPUMP

Sub: - Announcement under Regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulation, 2015.

Dear Sir/Madam,

Pursuant to regulation 30 of SEBI (Listing Obligations and Disclosure Requirements) Regulations, 2015 read with Schedule III thereof, we would like to inform you that the Company has received 6th Patent for “**STACK ASSEMBLY FOR PERMANENT MAGNET ROTOR**” from the Government of India.

We hereby enclosed the Press Release in respect of receiving Patent for **STACK ASSEMBLY FOR PERMANENT MAGNET ROTOR**.

Kindly take the same on record and acknowledge the receipt of the same.

Thanking You,

Yours faithfully,
For Shakti Pumps (India) Limited

**Ravi Patidar
Company Secretary**

Enclosure: As above

SHAKTI PUMPS (INDIA) LIMITED

CIN: L29120MP1995PLC009327

Regd. Office:-Plot No. 401, 402 & 413, Industrial Area, Sector - 3, Pithampur - Dist. Dhar 454774 (M.P.) INDIA.

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Shakti Pumps receives 6th Patent

STACK ASSEMBLY FOR PERMANENT MAGNET ROTOR

Pithampur, Madhya Pradesh, 23 October 2023, Shakti Pumps (India) Limited (herein referred to as “Shakti Pumps”), India’s leading manufacturer of energy-efficient pumps and motors has received a patent for inventing a “**STACK ASSEMBLY FOR PERMANENT MAGNET ROTOR** ” The Patent Office, Government of India, has awarded Shakti Pumps this patent, fully adhering to the provisions set forth in the Patents Act of 1970. This patent is set to maintain its validity for duration of 20 years, commencing from the date of filing. This is the 6th Patent that the company has secured.

Shakti Pumps has recently been granted a patent for their ground-breaking innovation in the field of Electric Vehicle (EV) motor technology. This innovation is a significant advancement that promises to revolutionize the performance and efficiency of electric vehicles. Following are the key aspects of this technology and its potential implications.

Increased Motor Efficiency and Range: The patented technology developed by Shakti Pumps significantly enhances the efficiency of electric motors used in vehicles. This efficiency improvement translates into higher energy conversion rates, meaning more of the electrical energy stored in the battery is effectively converted into mechanical power to drive the vehicle. As a result, this innovation can provide EVs with an extended range on a single charge, addressing one of the common limitations of electric vehicles.

Reduced Losses and Improved Power Factor: The design of this technology aims to minimize energy losses within the electric motor. By doing so, it not only optimizes the utilization of electrical power but also improves the power factor. A higher power factor indicates that the motor is using power more efficiently, which results in reduced energy waste and an overall increase in energy efficiency. This is crucial for both the vehicle's performance and its energy consumption.

Temperature Reduction and Extended Motor Life: Another significant benefit of Shakti Pumps' innovation is its ability to lower the operating temperature of the electric motor. This reduction in motor temperature can have a substantial impact on the longevity and reliability of the motor. Lower temperatures help mitigate wear and tear, ultimately extending the motor's operational life. This is essential for reducing maintenance costs and increasing the overall durability of electric vehicles.

Enhanced Load Capacity and Torque: Shakti Pumps' technology also offers improvements in the load capacity of the motor, allowing it to handle more demanding tasks without sacrificing performance. Additionally, the innovation enhances the motor's torque characteristics, which means it can provide more power for accelerating and overcoming steep gradients. This results in improved vehicle performance, especially in challenging driving conditions, such as steep hills or heavy loads.

Shakti Pumps' patented EV motor technology represents a significant leap forward in electric vehicle technology. By increasing motor efficiency, reducing losses, improving

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power factor, extending motor life, and enhancing load capacity and torque, this innovation addresses many of the key challenges faced by the electric vehicle industry. It has the potential to make electric vehicles more practical, reliable, and versatile, ultimately contributing to the widespread adoption of sustainable transportation and reducing our reliance on fossil fuels.

About Shakti Pumps

Shakti Pumps is at the forefront of sustainable innovation and reliability in solar pumping solutions, while also being environmentally responsible. The company has been at the forefront of transforming the agriculture sector through solar pump technology. All Shakti submersible pumps are based on Stainless Steel (SS), which is a testimony to the latest technology and quality in manufacturing. Notably, Shakti Pumps has the distinction of being India's first 5-star rated pump manufacturer, supplying its products to over 120 countries across the globe and manufacturing its own solar pumps, motors, structures, controllers & VFDs. Shakti Pumps is committed to helping India meet its energy goals.

For more details, please visit: <https://www.shaktipumps.com/>

For further information, please contact:-

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Certain statements in this document that are not historical facts, are forward-looking statements. Such forward-looking statements are subject to certain risks and uncertainties like government actions, local, political, or economic developments, industry risks, and many other factors that could cause actual results to differ materially from those contemplated by the relevant forward-looking statements. Shakti Pumps (India) Limited will not be responsible for any action taken based on such statements and undertakes no obligation to publicly update these forward-looking statements to reflect subsequent events or circumstances.

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