Date: - 04/09/2023

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.**

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 Shakti Pumps has received **"Patent for High Starting Torque Direct Line Operated Energy Efficient Motor (Shakti Slip Star Synchronous Run Motor - S4RM)" from the Government of India.**

We hereby enclosed the Press Release in respect of receiving Patent for High Starting Torque Direct Line Operated Energy Efficient Motor (S4RM).

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

Thanking You,

Yours faithfully,
For Shakti Pumps (India) Limited

Ravi Patidar

Digitally signed by Ravi Patidar
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Ravi Patidar
Company Secretary

Press Release

Shakti Pumps has been granted a Patent for their Innovation in Creating a "High Starting Torque Direct Line Operated Energy Efficient Motor (S4RM)"

Pithampur, Madhya Pradesh, 04 September 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 **"High Starting Torque Direct Line Operated Energy Efficient Motor (Shakti Slip Star Synchronous Run Motor - S4RM)**". 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 a duration of 20 years, commencing from the date of filing. Previously, the company was granted a comparable patent by the United States Patent and Trademark Office in August 2022. Thus far, the company has secured 4 Patents, while also having submitted 25 Patent applications, spanning both domestic and international jurisdictions.

The invention is a ground-breaking development in motor technology with a dual focus enhancing motor efficiency and reducing electric consumption while simultaneously increasing pump discharge rates. The key features of this motor are as follows:-

1. **Improved Motor Efficiency:-** This innovation is designed to substantially boost the efficiency of electric motors, Which are ubiquitous in various industries and applications, consuming significant amounts of electricity. Traditional motors suffer from energy losses, primarily in the form of heat and mechanical inefficiencies, that these motors will reduce.

2. **Innovative design**:- This invention introduces innovative design elements, materials, or control mechanisms to mitigate these losses. These improvements can include advanced design of motor components, resulting in a motor that converts a higher percentage of electrical energy into useful mechanical work. This effectively reduces wasted energy and, consequently, lowers electric consumption.

3. **Reduction in Electric Consumption:-** As motor efficiency increases, it draws less electrical power to achieve the same mechanical output or task performance. This reduction in electric consumption offers several advantages:-

   (a) Energy Savings: Businesses and individuals benefit from significantly reduced electricity bills, leading to cost savings and a more sustainable approach to energy consumption.

   (b) Environmental Impact: Lower electric consumption leads to reduced carbon emissions, contributing to a smaller carbon footprint and helping mitigate the environmental impact associated with energy generation.

   (c) Resource Conservation: In regions reliant on non-renewable energy sources like coal or natural gas, decreased electricity consumption conserves precious natural resources.

4. **Increased Pump Discharge:-** In addition to enhancing motor efficiency and reducing electric consumption, this invention has the added capability of increasing pump discharge rates. This improvement is significant for industries relying on fluid transfer systems, such as water supply, wastewater treatment, agriculture, and manufacturing.

   The invention optimizes the motor-pump interface. This translates into practical benefits:-

   (a) **Faster Fluid Transfer:** Industries can complete fluid transfer tasks more quickly, boosting overall productivity.

   (b) **Higher Water Supply Capacity:** Municipal water supply systems benefit from more reliable and consistent water flow to consumers.

   (c) **Improved Agricultural Irrigation:** Agriculture operations can optimize crop irrigation with enhanced performance.

5. **Power factor improvement** – This motor also bring power factor close to unity, which reduces full load current of motor and also help to reduce transmission line losses.

   (a) Reduction in line losses - When electrical power is transmitted over long distances through power lines, some of it is lost as heat due to resistance in the wires. A motor that improves power factor can help reduce these losses. This means that more of the electrical energy generated at the power source reaches its intended destination without being wasted as heat.
   (b) Enhancement in power transmission efficiency - By improving the power factor and reducing line losses, the motor contributes to overall power transmission efficiency. In simpler terms, it helps ensure that electricity is transmitted from the power source to its destination more effectively and with less waste

In summary, this innovative invention represents a major leap forward in motor technology. It not only significantly improves motor efficiency, leading to reduced electric consumption and associated cost savings, environmental benefits and resource conservation but also boosts pump discharge rates, making it a valuable asset across industries reliant on fluid transfer systems.

The motor described not only operates more efficiently itself (due to the improved power factor) but also helps make the entire electrical system more efficient by minimizing energy losses during transmission. This is beneficial for both energy conservation and cost savings in electricity distribution systems

Sharing his views on this vital development, Mr. Dinesh Patidar, Chairman, said: "We take immense pride and satisfaction in the favourable outcomes and recognition that have resulted from our dedicated efforts in technological advancements. Our unwavering commitment to achieving leadership status has driven us to create products that not only exhibit uniqueness but also deliver tangible benefits to our target customer base along with the environment.

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.