



Date:- 23/05/2024

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**

**Subject:-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 14<sup>th</sup> Patent for “**METHOD AND APPARATUS FOR SOFT START, SOFT STOP, PROTECTION & BROWN OUT OPERATION OF A GRIDCONNECTED MOTOR**” from the Patent Office, Government of India.

We hereby enclosed the Press Release in respect of receiving Patent for “**METHOD AND APPARATUS FOR SOFT START, SOFT STOP, PROTECTION & BROWN OUT OPERATION OF A GRIDCONNECTED MOTOR**”.

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.

Tel.: +91 7292 410500, Fax: +91 7292 410645 E-mail: info@shaktipumps.com, sales@shaktipumps.com, Web:- [www.shaktipumps.com](http://www.shaktipumps.com)



## **“Shakti Pumps Receives 14<sup>th</sup> Patent for Innovative Motor Technology”**

**Pithampur, Madhya Pradesh, 23 May 2024**, Shakti Pumps (India) Limited, India's leading manufacturer of solar pumps and motors has received a patent for inventing "**METHOD AND APPARATUS FOR SOFT START, SOFT STOP, PROTECTION & BROWN OUT OPERATION OF A GRIDCONNECTED MOTOR**" 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 14<sup>th</sup> Patent that the company has secured.

This patented technology offers several key benefits for both motor and grid electrical systems. By gradually ramping up the motor speed, the soft starter reduces mechanical stress on the motor and connected equipment, extending the motor's lifespan and reducing maintenance costs. It provides a smooth and controlled start, eliminating the sudden torque and mechanical shock associated with traditional starting methods, which is particularly beneficial for sensitive equipment.

It enhances the reliability of power electronic circuits by providing input boost, thereby eliminating the risk of surges caused by voltage swells. Additionally, in pump applications, it aids in preventing water hammer and mechanical shock in piping systems.

Dinesh Patidar, Chairman and Managing Director of Shakti Pumps, shared his excitement about this ground breaking achievement: "We are incredibly proud to receive our 14<sup>th</sup> patent, which marks a significant milestone in our on-going commitment to innovation and excellence. The soft start and stop features of Shakti Pumps' patented technology offer precise control over motor acceleration and deceleration, reducing mechanical stress and enhancing safety in applications like conveyor systems, pumps, HVAC systems, and precision machining. Additionally, by limiting inrush current during motor start, the technology mitigates voltage dips, reduces the need for oversized electrical infrastructure, and improves system efficiency, reliability, and longevity, while also being compatible with generator-fed AC motors, thereby affirming Shakti Pumps' commitment to innovation and sustainability in delivering superior solutions for global electrical system needs.

### **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

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has the distinction of being India's first 5-star rated pump manufacturer, supplying its products to more than 100 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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