

LHP UPDATE

Newsletter

Issue 16 July 2014



Towards a greener planet

The first Indian company to offer a complete LT range of IE3 motors
Best for special motors in electric vehicles



Participation in ELECRAMA 2014 ◀ Development of motors up to Frame 450 ▶ Development of vibrator motors

Lhp
MOTORS DRIVES
Driven by Commitment

supremo
IE MOTORS



The Mentor Speaks

Dear friends,

The previous financial year was marked by several challenges for LHP. Like all other companies, due to recessionary environment, achieving growth was a big and tough challenge. However, the dedicated team at LHP left no stone unturned to retain the existing business and acquire new customers. With these efforts, we have successfully addressed replacement markets all over the world for our various products. Also, the new initiatives such as special motors for electric vehicles have helped us conquer new markets.

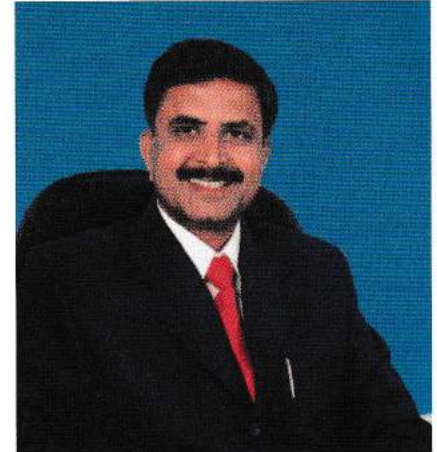
On the R & D front, we have been successful in developing the entire LT range of IE3 motors soon after their introduction in late 2012. With this step, LHP becomes the first Indian company to offer the complete LT range of IE3 motors. Plus, the wide range of special motors for electric vehicles is another achievement. These efforts are a true reflection of our commitment to conserve energy and protect environment. We were also able to introduce Shock-proof motors for the Indian Navy as per their stringent quality norms which will serve as an import substitute.

LHP made a substantial investment in its new plant which is spread over an area of 20000 sq.m. and houses sophisticated equipments. This state-of-the-art plant will cater to the increasing demand from Indian and foreign customers.

The ever increasing demand for the LHP range of motors from overseas clients is boosting our confidence in our capability and is a true reward for our demanding attitude for perfection. We are confident that the overall economy will revive in FY 2014-15 and we look forward to greater opportunities to serve our esteemed customers.

Sincerely Yours,

Sharadkrishna Thakre, Managing Director



Quality and performance approvals



LHP Flame-proof motors are approved by the Defence Research and Development Organisation (DRDO) for their use in cranes manufactured by them.



Received Certificate of Compliance to the low voltage directive - 2006/95/EC Machinery directive 2006/42/EC issued by Q Mart-Global, Bangalore, INDIA.



Capacity expansion : New plant becomes operational

Since the inception of LHP, our motors have been in great demand in India due to their precision performance, reliability and economy. With the rapidly growing number of customers, we felt the necessity to commission a new plant. A new plant has been constructed in a record time just opposite to the existing LHP plant. The new 20000 sq.m. plant became operational since January 2014 and houses all modern machines and equipments to facilitate the manufacturing of high quality products of international standards.

The new plant is characterised by a pollution-free work environment. Also day light of appropriate intensity is



used to a maximum extent, thereby reducing electricity consumption. All ergonomic requirements have been meticulously taken care of.

We welcome all our valued customers and patrons to visit this new plant.



Making sure that safety is never compromised

Approvals for LHP Flame-proof Motors for LPG bottling plants



In a significant development, LHP Flame-proof motors are now approved by **Indian Oil Corporation Limited (IOCL)** and **Bharat Petroleum Corporation Limited (BPCL)** for their all LPG bottling



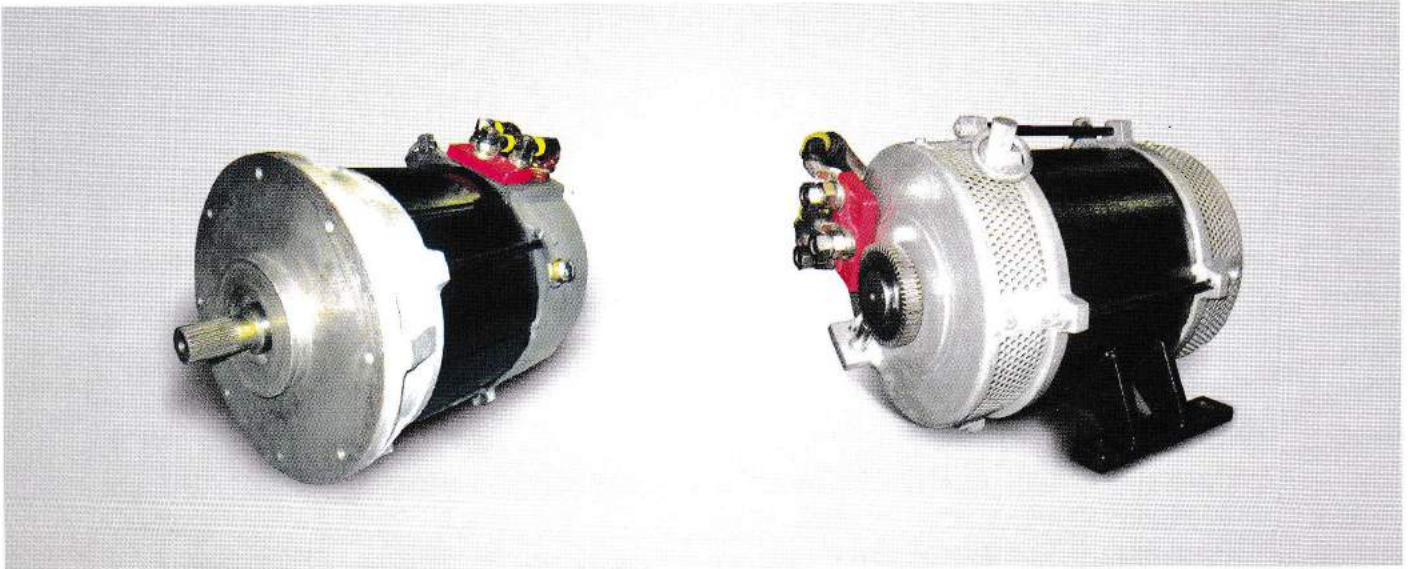
plants to be commissioned in India. This is a further proof of high safety standards and reliability offered by LHP Flame-proof motors.

Prior to this, LHP Flame-proof motors are approved by Engineers India Ltd. (EIL) and PDIL for use in hazardous areas. They have also been approved by Petroleum Explosives and Safety Organisation (PESO) of the Government of India for use in LPG bottling plants.



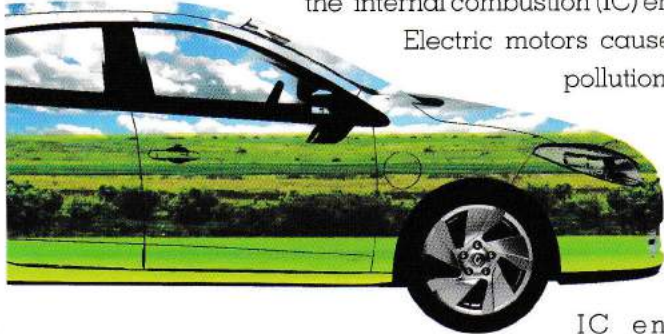
Our contribution towards a greener planet

Special motors for electric vehicles



An electric vehicle is an automobile that is propelled by an electric motor using electric energy stored in batteries. Electric motors give instant torque, creating strong and smooth acceleration of the vehicles. Electric motors provide a clean and safe alternative to the internal combustion (IC) engine.

Electric motors cause less pollution than



IC engine vehicles. Hence, they are environmentally friendly alternatives. Though the first electric cars appeared in the 1880s they started gaining popularity since early 2000. This was mainly because of the advances in internal combustion engine technology and mass production of cheaper petrol vehicles. After 2008, electric vehicles started gaining faster

acceptance mainly because of advancement in the battery and power management system, the growing concern about rising oil prices and a need to reduce greenhouse gas emission. Electric vehicles are gaining popularity for material handling as well as for passenger travel.

At LHP, we were quick to sense this emerging trend and focused our efforts on developing a range of motors which suit electric vehicles. We have successfully developed induction motors for a variety of applications such as passenger cars as well as material handling vehicles like fork-lifts, pallet-trucks, etc. The manufacturing range has a wide variety of options to suit particular applications. With this development, possibly LHP is the first Indian company to successfully accomplish this feat. We look forward to brighter prospects in this area and being a pace setter.

Range	From 2kW to 25kW
Voltage	18VAC to 90VAC (28VDC to 120VDC)
Speed range	Up to 10,000RPM
Suitability	Suitable for AC controller
Speed feedback	Hall effect sensor, sensor bearing or encoders



IE3 premium efficiency motors Full LT range developed

LHP always leads from the front in the new development scenario in the motor industry in India. During the year 2012, LHP launched the Supremo series of IE3 energy efficient motors. Within a short span after its introduction, the range is getting fast acceptance from the market and continuously recording a larger demand. In order to respond to the market needs, the R&D team of LHP, under the able leadership of Mr. Deepak Desai, has successfully developed an entire LT range within a very short span. Now this range is available up to 315kW (frame size up to 355) and conforms to IEC 60034-30:2008 and IS:12615-2011 standards. With this development in such a short span, LHP becomes the first Indian electric motor manufacturing company to offer a complete LT range of IE3 motors.

LHP IE3 motors conform to IEC 60034-30:2008 and IS:12615-2011

- Suitable for process industries where high energy saving is essential
- Short payback period for replacement
- Enhanced motor life
- Less maintenance



Specifications

Range	Up to 315kW
RPM	3000, 1500, 1000 (synchronous) at 50Hz
Mounting	Foot (B-3), Flange (B5), Face (B-14) & combinations
Frame	71 to 355L
Protection	IP : 55
Insulation	F class
Voltage	415V, 380V or as per requirement
Frequency	50 Hz / 60 Hz or as per requirement

Applicable standards

IS/IEC-60034-1	Specifications for rotating electrical machines
IEC/60034-30/IS 12615	Specifications for energy efficiency induction motors
IS/IEC:60034	Degree of protection provided by enclosure for rotating machines





LHP at exhibitions

Showcasing the range and strengths to the outside world

Exhibitions are our showcase to the outside world. Exhibitions provide us the platform to display our new development capabilities and an opportunity to meet our valued existing and potential customers.

With this approach, LHP regularly participates in domestic and international exhibitions. FY 2013-14 was marked with the prominent presence of LHP in three major exhibitions.

ELECHEMA-2014

Our participation in Elecrama 2014 at the Bangalore International Exhibition Centre proved to be a major boost to our domestic and global marketing efforts. We had showcased our entire range on a sprawling area of 63 sq.m. Several new products and special motors were launched at the show. We received an overwhelming response from several companies in India as well as companies and dealers from the Sultanate of Oman, Egypt, Qatar, Nepal, Jordan, Kingdom of Bahrain, Italy, Tanzania and Ethiopia.



Products on display included :

Energy efficient gearmotors, Encoder motors, Brake motors, Flame-proof motors with CE ATEX certification, Non-sparking motors, motors for fork-lifts, motors for electric vehicles, Flame-proof brake motors, Flame-proof motor in 315 frame, Shock grade motor 200 frame, IE3 motor in 200 frame and Roller table motor in 160 frame size.

AUTOMATION 2013

This 8th international exhibition and conference was held in September 2013 at the Bombay Exhibition Centre, Mumbai. LHP Eura drives and soft starters which provide one-stop-solution in the LT range of motors were prominently showcased in this exhibition. Since its inception in 2010, the LHP Eura range is gaining fast popularity in the Indian market as it is advanced yet economical, and comes with an LHP service assurance. This exhibition also attracted larger crowds and saw an overwhelming response to the LHP Eura range.



MSME EXPO 2013

LHP participated in the MSME EXPO 2013 held at New Delhi. This was held by National Small Industries Corporation and Engineers India Ltd. as a part of their national level Vendor Development Programme. The objective of this event was to create awareness among small and medium industries about the Public Procurement Policy of the Government of India and to bring PSUs, various government departments and MSMEs on one platform. PSUs like Engineers India Ltd., Indian Oil Corporation, Gas Authority of India, Bharat Heavy Electricals Ltd. and Central Electronics Ltd. showed great interest in LHP offerings and appreciated our development capability, thrust on quality and capacity to execute large orders in the shortest possible time span.



Welcome to the LHP family

Mr. Dinesh Nangia joins LHP as Country Head for Marketing



Mr. Dinesh Nangia, a veteran industry professional with 34 years' experience in the electric motor industry has recently joined LHP as the Country Head for Marketing operations.

LHP is enhancing its nationwide reach through a systematic development of its network of Sales Channel Partners and own offices. With these efforts, we are in a position to offer our products and services even in remotest parts of the country.

Now under the dynamic leadership of Mr. Dinesh Nangia, LHP will move aggressively in the market while addressing the requirements of new markets and will enhance LHP's market share considerably. With his experience, Mr. Nangia will be able to devise new marketing strategies for further enhancing our reach in various industry verticals and will ensure readiness of the marketing team to face new challenges successfully.

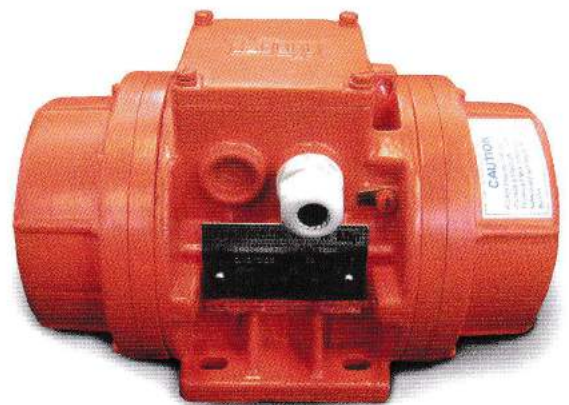
We heartily welcome Mr. Dinesh Nangia to the LHP family.

Introducing Vibrator Motors

With the ever-rising demand from food processing and pharmaceutical companies, LHP has developed a range of vibrator motors to suit different applications in these industries. These motors are of enclosed and encapsulated type to make them dust-proof and fluid-proof. They produce vibrations due to the off-centred weight mounted on the motor shaft. LHP vibrator motors are finding a wide acceptance and are being used in pharmaceutical industries, lab environments and food processing plants where vibratory motion is required during certain processes. Our range of vibrator motors is available in different vibration frequencies and amplitudes.

Functional areas where LHP vibrator motors find applications:

Conveying, compacting, emptying, cleaning, testing and feeding of all kinds of products. Loosening and separation of bulk material screening, de-watering, filtration and crushing.



Features:

- 0.17kW to 5.5kW, three phase supply in all poles and mountings
- 0.10HP to 1HP, single phase supply
- Supply from 12V to 690V, 50Hz or 60Hz
- Suitable for inverter applications
- Surface cooled type

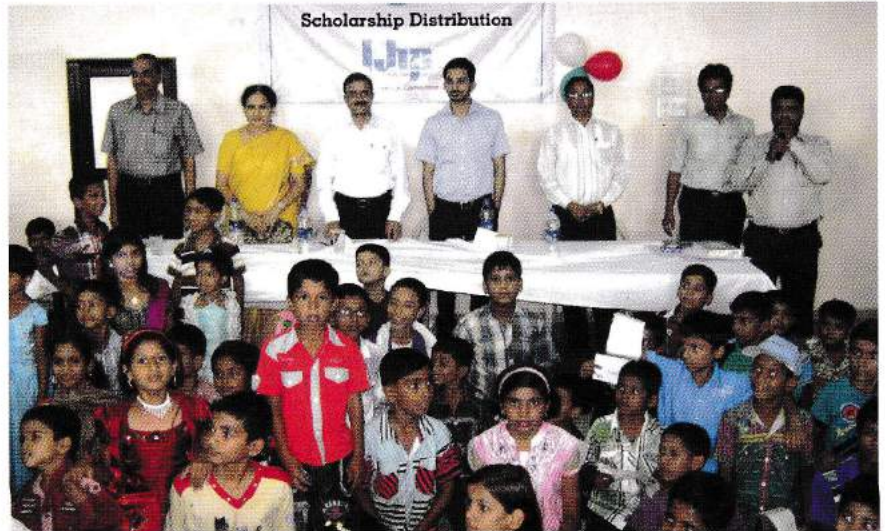
Custom-built vibrator motors can also be supplied based on customer specifications such as supply conditions, vibration magnitude required, centrifugal force required, etc.



Encouraging talent

Scholarships awarded to children of LHP employees

Every year, LHP awards scholarships to its employees' children who score more than 85% marks in annual examinations. The scholarships were disbursed by Mrs. Manali Thakre. This year, a total of 80 boys and girls received these scholarships. Mr. Aditya Thakre, Mr. Sanjiv Patil and other senior managers were also present for this function. The grand event was coordinated by Mr. Shakil Inamdar and Mr. Amit Dasur of the Personnel and Administration Department.



Who's who?



Shakil Inamdar

Name of team member	: Shakil Inamdar
Age	: 39 years
Family status (Married to)	: Married to Javeriya
Names of children	: Sufiyan, Raiyyan, Faizan
Experience	: 20 years
Date of joining LHP	: 15-10-1994
Responsibility shouldered in LHP	: Manager - Personnel & Administration
Special achievements	: Effective administration and maintaining most healthy labour relations for the past 20 years at LHP
Hobby	: Playing football
Favourite snack	: Chicken reshmi kabab
Favourite celebrity	: Juhi Chawla
Favourite holiday destination	: Goa
Strength	: Maintaining healthy human relations by inculcating esprit de corps in the company
Weakness	: Demanding work completion from subordinates as per our ODD culture
Message to colleagues	: Motivate others to use their positive skills to achieve the objectives of the company.

Corporate office & manufacturing plant

National sales & marketing office



Laxmi Hydraulics Pvt. Ltd.

B-11, MIDC, Chincholi, Solapur - 413 255 INDIA
 Tel.: +91-217-2357001 (5 Lines)
 Fax: +91-217-2357006
 E-mail: lhpindia@lhpmotor.com
www.lhp.co.in

Laxmi Hydraulics Pvt. Ltd.

A 502, G.O. Square,
 Wakad, Wakad Road
 Pune - 411 057
 Maharashtra - INDIA