

Everest Group inhouse R&D facility recieved recognition from Department of Scientific & Industrial Research



Everest Group is proud to announce that the In-house Research & Development facility at its Bahadurgarh unit has received recognition from the Department of Scientific And Industrial Research, Ministry of Science And Technology, Government Of India. Everest is the first and only blower & vacuum systems manufacturer in the country to have received this recognition.

Everest Group has strongly realized and felt the shift of the industry towards energy efficient solutions. The Group stands today as one of the upcoming names in the vacuum industry, a fully integrated and diversified company involved in the Engineering, Evaluation, Designing, Manufacturing, Testing, Execution, Post Sales & Service of Pressure & Vacuum Systems. We aim to build the most cost-effective development firm, through the blending of our world-class 'best practices' with local experience and knowledge. We cater to the needs of local emerging economies.

Everest is the largest producer of Roots Blowers in South East Asia having effective presence in STP & ETP (Waste water treatment) industry, Pneumatic Conveying

systems, Aeration systems, Aquaculture etc, to name a few. The Group had diversified into design & installation of innovative systems for chemical & pharmaceutical industry based on technologies which have low impact on the environment, are energy efficient and have low operation & maintenance costs. The demand for such systems is growing exponentially due to increasing environmental awareness and corporate responsibility.

Everest Group has a lot of experience in sustainability chemistry or green chemistry, cleaner production, clean technologies, eco-efficiency, energy saving, resource saving, environment friendly techniques, etc., like:

- Design & manufacture of solvent recovery systems to curb pollution. These systems not only play an important role by making the process eco-friendly but also recover precious solvents for reuse. Most of the pharmaceutical processes have low boiler solvents which are undesirable if expelled into atmosphere. On installation of solvent recovery system, most of the solvent can be recovered back. The demand of such systems is growing exponentially due to increasing environmental awareness and corporate responsibility.
- Design & manufacture of CPCB approved vacuum systems for waste oil re-refining.
- Design & manufacture of mechanical vacuum boosters for replacement of steam jet ejectors.
- Design & manufacture of SUPER-VAC vacuum systems using me-

chanical vacuum boosters and dry screw vacuum pumps - Dry Pumping Technology.

- Design & manufacture of extended shaft Roots Blowers configuration for applications requiring 100% Oil Free Air like aeration in aquaculture farms, plating lines, STPs, etc.
- Design & manufacture of Low Temperature Thermal Desalination systems for producing potable water and many more.

Everest's core competency lies in custom manufacturing special air blowers and boosters by alloying and cross linking diverse designs to suit specific requirements and import substitutes. It has built an expert technical team that has years of application associated experience and has developed capability to help serve the customers with effective solutions. As the company ably serves the Original Equipment Manufacturers (OEM's), it has gained in-depth knowledge of the critical requirements of OEM applications, in terms of power, space, noise, air flow, vibration, cost and more.

With reference to standard models of air blowers and vacuum pumps, the company, through its unique design and engineering expertise, can develop a completely new model, or modify the existing design. The outcome is a custom air blower or vacuum pump that meets the exact requirements of OEM application at the lowest possible cost. Over the period of two decades, application engineering has been the cornerstone of Everest's success. Its


strength has been to work on new application areas and modify existing ones so as to reduce energy consumption, optimize performance and increase process efficiency. On account of many such new developments and applications, the company has carved a niche for itself in the equipment industry, offering customized solutions.

Some of the developments include:

- 100% Oil Free aqua series blowers for fish and prawn culture. Modifications have been made to ensure 100% oil free air supply even under worst condition of oil seal failure.
- Development of mechanical vacuum boosters with PTFE seals for nitrobenzene and ortho-nitro benzene vapor handling in solvent recovery application. The use of modified boosters has resulted in process time reduction by almost 50%.
- Development of Dry vane pumps for low capacity, medium pressure applications, which were a long time demand of the small ETP plants.
- Development of SS blowers with special sealing for mechanical vapor recompression for heat recovery resulting in substantial energy saving.
- Engine driven blower package units developed to meet the demand of Indian Railways, which are used for thermit welding of railway tracks.
- Menthol distillation process improved by installation of vacuum booster resulting in higher yield and product purity. The modification received an impressive response and today practically all menthol distillation units have Everest Boosters as an integral part of the plant.
- Use of Everest boosters for waste oil recovery using an environmentally safe technology duly approved by Central Pollution Control Board.

Design & Development is one thing which never stops at Everest. It is a continual process. Everest has been in an industrial segment with wide application areas. Our marketing team constantly works on identifying areas where our products can revolutionize process.

Having identified a niche, our technical team designs and develops products to suit the requirements. For example, our vacuum boosters have found a niche in vacuum distillation processes in menthol industry where it has provided huge improvements in processing efficiency. At Everest we believe in diversifying our application engineering and earning out of satisfied customers rather than diversifying the product mix itself. Excellence in application engineering has been a key component in the company's growth and profitability. A fixed percentage of revenue is dedicated for Research & Development and new product development. We provide customized quality products, maintaining highest level of design and manufacturing standards, sized appropriately to give the most competitive prices and high levels of energy saving to our customer.



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सूचना का अधिकार

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BY SPEED POST

F. No. TU/W-RD/3568/2013 Dated: 29.1.2013

To

M/s. Everest Blowers Pvt. Ltd.
 B-44, 1st Floor,
 Mayapuri Industrial Area,
 Phase -I
 New Delhi 110064

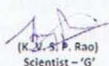
Subject: RECOGNITION OF YOUR IN-HOUSE R&D UNIT(s)

Dear Sirs,

This is reference to your application for recognition of your In-House R&D unit by Department of Scientific and Industrial Research.

2. This is to inform you that it has been decided to accord recognition to the In-House R&D unit of your firm at 424, Modern Industrial Estate, Phase I, Bahadurgarh, Haryana upto 31.03.2015. Terms and conditions pertaining to this recognition are given overleaf.

3. Kindly acknowledge the receipt of this letter.

Yours faithfully,

 (K.V.S. Rao)
 Scientist - 'G'

For more information
 Web: www.everestblowers.com