

Enriching Lives

Fluid Management for a Better Tomorrow

KIRLOSKAR BROTHERS LIMITED

Established 1888 A Kirloskar Group Company

About KBL

Kirloskar Brothers Limited (KBL) is a world-class pump manufacturing company with expertise in the engineering and manufacturing of fluid management systems. Established in 1888 and incorporated in 1920, KBL is the mother company of the Kirloskar Group. KBL provides complete fluid management solutions for large infrastructure projects in the areas of water supply, power plants, irrigation, building & construction, oil & gas industry and marine & defence. KBL manufactures industrial, agriculture and domestic pumps, valves and hydro-turbines.

Enriching Lives

3



Shaping a Sustainable Future Through Smart Fluid Management

At KBL, we are dedicated to empowering progress by fostering economic independence and propelling industrial growth, all while shaping a sustainable future through smart fluid management solutions.

Our expertise spans the entire spectrum of fluid management, encompassing:

- Large-scale infrastructure projects: water supply, irrigation, power generation, oil & gas and building & construction
- Industrial applications across various sectors and segments
- Retail pumps for residential and agricultural needs

We are committed to responsible innovation, delivering cutting-edge solutions that harmonise industry with the environment. Our unwavering commitment to business ethics, quality and social responsibility has fuelled our global expansion to over 120 countries.

Our Companies











Indian subsidiaries and joint ventures

- Kirloskar Ebara Pumps Limited (KEPL) manufactures API, Non-API pumps and steam turbines.
- **The Kolhapur Steel Limited (TKSL)** is a notable foundry facility with an inhouse pattern shop.
- **Kirloskar Corrocoat Private Limited (KCPL)** is the leading solution provider in long-term corrosion protection and energy conversion.
- Karad Projects and Motors Limited (KPML) specialises in electric component manufacturing, particularly in the production of stampings, stators, rotors, AC rotating machines and aluminium diecast connecting rods.

International subsidiaries and joint ventures

- **SPP Pumps Limited**, United Kingdom is a 140-year-old leading pumps manufacturer of centrifugal pumps and associated systems, a global principal in the design, supply and servicing of pumps, renowned fire pump packages and high-quality equipment for a wide range of applications and industry sectors. It is the largest pump manufacturer in the United Kingdom.
- **SyncroFlo Inc.**, United States of America manufactures pre-assembled pumping systems and provides solutions for HVAC systems, fire protection and turf irrigation.
- **Rodelta Pumps International** is a Dutch pump manufacturing company that offers products for flood control, irrigation, drinking water, wastewater, pulp & paper, power, chemical, oil & gas and general industries.
- **Kirloskar Brothers Thailand Limited (KBTL)**, Bangkok is the Thailand Board of Investment (BOI) promoted headquarters and assembly plant of the KBL Group companies for the ASEAN and East Asia regions.
- **Braybar Pumps (Pty) Limited**, Republic of South Africa is engaged in the manufacturing and sales of high-head multi-stage pumps, rubber-lined slurry pumps and metal-lined bearings.

Our Capabilities

Expertise in engineering and manufacturing of systems

- Making in India since 1901
- One of Asia's largest hydraulic research centres for testing pumps at duty conditions up to 5,000 kW and with up to 50,000 m³/hr discharge
- One of the pump manufacturing companies in the world to have a dedicated 3D printing machine
- 16,000 channel partners in India and 250 overseas
- 650+ authorised service centres



Our Diversified Product Portfolio

100+ Product Offerings



20+ Diversified Sectors

A Differentiated Product Line

Pumps	75+ Types of Pumps	120,000 m³/hr Flow Capacity (528,000 US GPM)	3200 m Head (4,539 psi)	30 MW Catering to diversified application
Valves	30 + Types of Valves	25 - 5,000 mm Diameter Range		
Hydro Turbines	Up to 20 MW Francis/Pelton/Kaplan			
PAT/PICO	0.25 kW - 1 MW PICO and Mini Hydel Turbines			

Kirloskar Brothers Limited in Every Landmark

Our strength lies in our extensive experience in designing, manufacturing, installation and commissioning a variety of tailor-made pumping systems. By prioritising innovation, quality and continuous technological advancement, we are a one-stop solution for all pumping applications.



Building & Construction

Oil & Gas





Industry

Power



Irrigation

Retail Pumps

Marine & Defence





Building & Construction

KBL offers innovative and smart fluid management solutions for the modern building and construction industry, serving diverse projects like commercial complexes, metro stations, hospitals, schools and airports. Our comprehensive pumping systems adapt to the evolving needs of infrastructure, ensuring efficiency.



Supply of more than 100 pumps to the Shri Ram Janmabhoomi Teerth Kshetra in Ayodhya to provide water supply and ensure the fire safety of devotees.

Our Solutions



Chhatrapati Shivaji Maharaj Airport Mumbai, India

Our HVAC systems provide cooling comfort in Mumbai Airport's T2 Terminal.



Over 10,000 Kirloskar pumps are operating in Metros across India, ensuring the safety and comfort of the passengers.



Our Firefighting MSMO pumps safeguard the UK's most iconic building, The Shard.

Firefighting System

KBL's comprehensive firefighting pump solutions encompass a range of offerings, including FM/UL approved and listed pumps (for industries), Multi-stage Multi-outlet (MSMO) fire pumps (for high rise buildings), Kirloskar fire engine pump-sets (KFE), Fire Sprinkler pump-sets (FLD) (residential and domestic purpose) and containerised firefighting pump sets (plug and play pump house).

Hydropneumatic Pressure Boosting System (HYPN)

An intelligent water pressure boosting solution, adjusting flow based on demand, ideal for maintaining consistent pressure in high-rise buildings and commercial complexes.

Heating Ventilation Air Conditioning & Refrigeration (HVAC & R)

We provide a diverse selection of pumps for HVAC applications, including end suction pumps, horizontal split case pumps, vertical inline pumps, high-energy efficiency pumps and more.

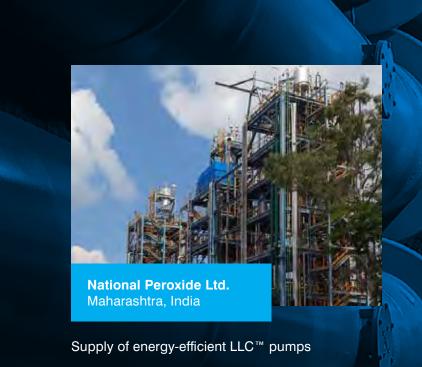
Dewatering and Sewage Handling Pumps

The Autoprime pump set, an ideal and swift dewatering solution, efficiently clears waterlogged areas. This portable and robust flood control pump unit is a reliable choice. KBL's sewage pumps include nonclog submersible sewage pumps, solid handling pumps, self-priming pump-sets, etc.

Industry

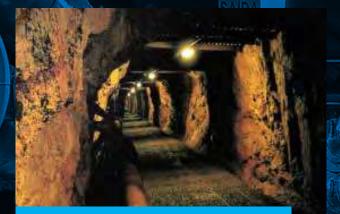
Industries thrive on the essential power of process fluids such as acids, alkalis, monomers and solvents. KBL specialises in crafting process pumps that skillfully manage these critical chemicals, empowering various sectors to attain their objectives.

These pumps are the result of extensive research and are meticulously engineered to combat pervasive corrosion challenges within the industry. KBL offers customised solutions tailored to a diverse array of sectors, including Chemicals, Pharmaceuticals, Sugar, Textile, Food & Beverages, Steel, Coal and Pulp & Paper, ensuring steadfast process reliability.



Our Solutions





Sonshi Mines Goa, India

Supply of pontoon-mounted Autoprime Pumping System for pit dewatering



Majis International Services Co. Sohar, Oman

Supply of Vertical Turbine Pumps and Butterfly Valves

KIRLOSKAR BROTHERS LIMITED Established 1888 A Kirloskar Group Company



Supply of Vertical Turbine and Horizontal Split-case Pumps for cooling water application

Plant	Applications		
Chemical & Process	Corrosive liquid, acids, alkalis, amines, thermic fluid, various types of chemicals.		
Distillery	Juice, weighed juice, sulphited juice, injection water & boiler feed pump, spent wash, alcohol.		
Effluent & Sewage	Sludge, contaminated industrial liquid.		
Food & Beverage	Edible oil, miscella, hexane.		
Paint	Various solvents, resins.		
Paper	Paper pulp — low & high consistency, black liquor, green liquor, stock.		
Steel	Hpala, condensate extraction, descaling, boiler feed.		
Sugar	Unstrained juice, imbibition juice, weighed juice, sulphited juice, injection water & boiler feed pump.		
Tyre	Stock preparation, extruder, curing area, HSD pumps, naptha pumps.		
Coal & Mine	Raw Water Intake, Mine Dewatering, Captive Power Plant and WTP.		

Marine & Defence

KBL's dedicated Marine & Defence division exclusively serves Indian PSU shipyards, the Navy, Coastguard, Army, Air Force, ordnance factories, civil & marine ships, Military Engineer Services and all Defence establishments. Our solutions are in adherence to the global standards such as Directorate General of Quality Assurance, Indian Register of Shipping, Lloyd's Register of Shipping, American Bureau of Shipping and Bureau Veritas standards, with a proven track record spanning decade.

Approved by Indian Register of Shipping for marine-grade product manufacturing, we are the registered vendors for Directorate General of Quality Assurance, the Indian Army, Indian Navy, and Directorate General of Supplies and Disposals. KBL's fluid management solutions are integral to the frontline warships, including aircraft carriers and submarines.



Supply of Multi-stage Multi-outlet (MSMO) – RKB pumps for the world's third-largest hypersonic wind tunnel commissioned by ISRO at Vikram Sarabhai Space Centre, Thiruvananthapuram

Our Applications



Supply of conventional and canned motor pumps for firefighting, salvage and freshwater applications for Indian naval and coast guard ships



Supply of Mixed Flow Non-clog Pumps for impounding pumping system at Mazagaon Dockyard Ltd., Mumbai



Commissioning of Magazine Fire Fighting System (MFFS) for fire protection of ammunition storage in naval warships

- Water mist firefighting system
- Axial flow pumps, containerised pumps
- Jet propulsion pumps for the coast guard
- High head pumps
- Special purpose pumps

Oil & Gas

KBL, along with its subsidiaries SPP Pumps, Rodelta Pumps and KEPL, is a leading manufacturer of highly engineered pumps specifically designed for the oil and gas industry. Our API process pumps cover a wide range of applications, including critical areas and cryogenic environments. These pumps strictly adhere to API 610 and API 682 standards, ensuring world-class quality and compliance with international safety regulations in the oil and gas sector. From efficiently processing crude oil to powering reliable firefighting systems, KBL's pumps and valves are trusted across the globe in diverse applications, including refineries, petroleum and petrochemical facilities, gas and LNG terminals and offshore rigs.

Our group company, KEPL is a proud manufacturer of reliable Steam Turbines and Turbo Generator sets, expertly designed and delivered to process and energy industries all over the world.



Bharat Petroleum Corporation Ltd. Mumbai, India

Supply of API pumps for critical process application

Our Solutions



Rajasthan Atomic Power Station Rajasthan, India

Supply of first Indigenously designed and manufactured boiler feed water pump



Paradip-Numaligarh Crude Oil Pipeline Project West Bengal, India

Supply and installation of 16 high-performance crude handling pumps to one of the longest crude oil pipeline projects in India **KIRLOSKAR BROTHERS LIMITED** Established 1888 A Kirloskar Group Company



Saudi Aramco Base Oil Company Luberef, Saudi Arabia

Supply of BB5 pumps for critical process application

Offshore fire water applications

- Upstream application for exploration and production
- Midstream application for crude oil transportation
- Downstream application for petrochemical and chemical

Gas, Oil & Defence applications

Turnkey projects & firefighting solutions for offshore platforms

Water Resource Management

KBL excels in the comprehensive water resource management of projects, encompassing the design, supply, testing, erection and commissioning phases. Our expertise spans raw water intake, water treatment, desalination and Sewage Treatment Plants (STP) utilising cutting-edge technologies. With a remarkable track record, KBL proudly boasts over 100,000 operational Kirloskar pumps worldwide, strategically placed in more than 100 water bodies. These pumps play a crucial role in diverse government, public and private projects. Notably, KBL stands as India's premier exporter of pumps, catering to the needs of over 80 countries.



Minor Lift Canal Division Mirzapur, India

Supply of the largest Horizontal Split Case Pump

Our Applications



Bang Sue Drainage Project Bangkok, Thailand

Supply of Concrete Volute Pumps providing protection to six districts against floods



Supply of VT Pumps to Thames Water — the UK's largest water and wastewater services company



Supply of pumps for water treatment of the world's second-largest water utility provider in the UK

- Water intake
- Water treatment
- Water supply and distribution
- Storm water & flood control
- Sewage treatment / Wastewater treatment
- Effluent treatment

Irrigation

KBL's prowess in executing some of the world's largest irrigation projects, stems from our ability to manufacture large-sized pumps and oversee end-to-end project management.

Our pumping solutions play a vital role in over 500 large-scale government irrigation projects globally, spanning countries like Laos, Cambodia, Senegal, Vietnam, Egypt, Suriname and Portugal. These irrigation projects, managed by KBL, contribute significantly to enhancing agricultural output, achieving food sufficiency, and fostering economic and social growth in the respective countries.

Beyond providing pumps and valves for large-scale irrigation projects, our diverse product range caters to micro-irrigation and medium to small-sized agricultural schemes. Our capability to tailor pumps to project requirements, from concept to commissioning, coupled with our dedicated team of experts, positions us as a comprehensive solution provider for government, public and private entities worldwide. KBL's philosophy of triple A (AAA), i.e. Adaptable, Affordable and Appropriate solutions, is the essential basis of our partnership that extends across various continents, organisations and customers.



KBL pumps are used in one of the world's largest pumping schemes for irrigating 5,40,000 hectares of land and supplying drinking water to over 30 million people.

Our **end-to-end** Processes



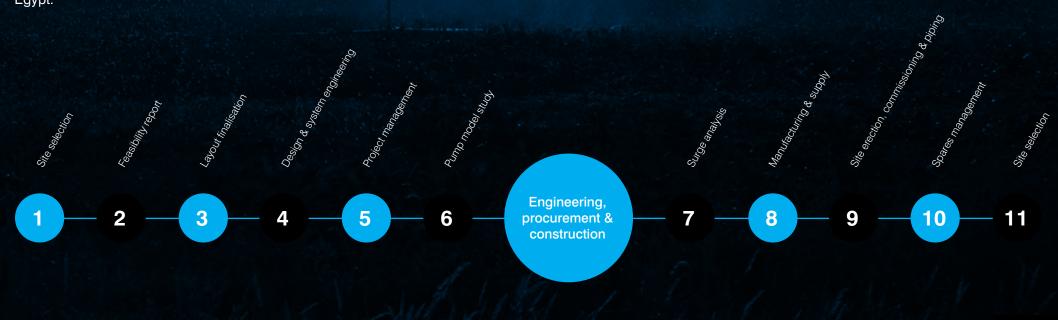
Thousands of Kirloskar Pumps have transformed 200,000 hectares of Egyptian desert into a green belt; no wonder, pumps are called 'Kirloskar' in Egypt.



KBL pump sets have transformed these countries from Rice Importers to Rice Exporters.



KBL has transformed the landscape by irrigating 115,000 hectares of land by supplying pumps for various irrigation schemes in Portugal.



Power

KBL provides reliable, high-performance pumping solutions for thermal, hydro and nuclear power plants worldwide.

For over decades, KBL has been the trusted partner for power plant projects, offering comprehensive solutions encompassing design, manufacturing, supply, erection, testing and commissioning of pump systems. This commitment to end-to-end support ensures optimal power generation efficiency, contributing to a more sustainable future.

KBL is India's largest manufacturer of centrifugal pumps exporting to 80 countries across 6 continents. We offer unique energy-efficient turnkey solutions right from conceptualising to commissioning. We are the only turbine manufacturer providing a one-roof manufacturing solution for electro-mechanical systems, supported by Asia's largest hydraulic research center with state-of-the-art testing facilities. Our product range includes Francis, Pelton and Kaplan turbines along with Pump As Turbine (PAT). We excel in providing reliable, innovative, and energy-efficient water handling solutions across power plants, water supply, irrigation, industrial, defense, marine, commercial building services and hydropower sectors, backed by decades of expertise both in India and internationally.



BHAVINI Nuclear Power Plant Kokilamedu, Tamil Nadu, India

Supply of primary and secondary coolant pumps for 500 MW fast breeder nuclear reactor

Our Solutions



Supply of Concrete Volute Pumps to the world's largest circulating system for seawater application



KBL is the only supplier of cooling water pumps for the world's largest fusion project



Supply of Vertical Turbine Pumps for cooling water application

Thermal Power Applications

- Circulating water
- Condensate water extraction
- Boiler feedwater
- Auxiliary cooling
- Firefighting
- Ash water

Nuclear Power

- Primary heat transfer pump (PCP)
- High temperature high pressure canned motor pump
- Boiler / Auxiliary feed pump
- Main circulating cooling water pumps
- Shut-down cooling pumps (SDCP)
- Emergency core cooling pumps (ECCS)
- Condensate extraction pumps (CEP)

Hydro Power

Turnkey Hydro-turbine solutions

Valves

KBL specialises in manufacturing valves of all sizes, from a compact 25 mm to customised large sized 5000 mm valves. Over the last six decades, Kirloskar valves have been among the most trusted and widely preferred fluid control solutions in industries like water, oil & gas, process liquids and slurries in industries. Kirloskar valves, which are available in a wide range of material of construction as well as temperature and pressure ratings, are manufactured in accordance with national and international standards confirming to IS, BS, EN, API, AWWA.



Supply of 3800 mm Butterfly Valve for cooling water system





Kshipra Multipurpose Lift Irrigation Project

Supply of 3000 mm Butterfly Valve to Narmada Valley Development Corporation



WSP Mohali

Supply of 2000 mm MDNRV to Greater Mohali Area **Development Authority**



Industrial Project

Supply of 700 mm, 1400 mm and 2200 mm Butterfly Valves to Majis Industrial Services

Retail Pumps

KBL's renowned retail pumps deliver unmatched versatility, efficiency and low energy consumption, making them the preferred choice for diverse water needs in homes, agriculture and small-scale industries. Their ease of maintenance and minimal energy footprint make them ideal for various applications, from domestic use (homes, apartments, hotels and hospitals) to irrigation (lawns and gardens) and boosting applications (overhead tanks). Billions of Kirloskar pumps are utilised worldwide for farmland irrigation and household water supply, playing a crucial role in sustaining agricultural productivity and daily living needs. These pumps are designed to minimise energy consumption while maximising performance making them an eco-friendly and cost-effective choice for various applications.









For residential and agricultural use



Manufacturing Facilities

Our state-of-the-art manufacturing facilities are comprehensively outfitted with modern foundries, advanced machinery, assembly and integration facilities. Additionally, we boast specialised coating capabilities and well-equipped material and product performance testing labs. These facilities are supported by a robust supply chain and dedicated teams in Research, Engineering and Quality Assurance.

Within our manufacturing facilities, dedicated units focus on the development of futuristic and technologically advanced products. We prioritise energy efficiency, upholding our commitment to green production, a clean environment and high-quality standards. Adhering strictly to industry regulations and safety standards, we have specialised teams overseeing compliance with applicable laws and regulations. These teams also conduct rigorous safety assessments and implement thorough risk management procedures.

Key Highlights

10

State-of-the-art manufacturing facilities in India

09

Plants certified for ISO 9001 & ISO 14001

80

Plants certified for ISO 9001, ISO 14001 & ISO 45001



GLOBAL PRESENCE

Registered Office and Global Headquarter

1 Pune, India

Overseas Presence

2 Atlanta, US (Manufacturing)

3 Coleford, UK (Manufacturing)

- 4 Almelo, The Netherlands (Manufacturing)
- 5 Johannesburg, South Africa (Manufacturing)
- 6 Jebel Ali, UAE (Assembly and warehousing)
- **7** Cairo, Egypt (Assembly, testing and services)
- 8 Bangkok, Thailand (Assembly, testing and services)
- 9 Aberdeen (Service centre)
- **10** Hyde, Manchester (Service centre)
- 11 Theale, Reading (Office)

Manufacturing Plants in India

12 Kirloskarvadi

- Maharashtra
- Various types of pumps ranging from 5 kW to 30 MW and valves ranging from 25 mm – 5 m
- 13 Shirwal
 - Maharashtra
 - O Hydro-pneumatic Systems and IOT Panels

14 Sanand

- Gujarat
- Submersible pumps ranging from 0.37 kW to 44 kW

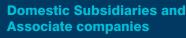
15 Kaniyur

- 📀 Tamil Nadu
- Domestic mini pumps ranging from 0.37 kW to 1.1 kW

16 Dewas

- 📀 Madhya Pradesh
- Industry and domestic pumps ranging from 0.37 kW to 22 kW

Location O Products manufactured



- 17 Karad Projects and Motors Limited, Karad
- **18** The Kolhapur Steel Limited, Kolhapur
- 19 Kirloskar Corrocoat Private Limited, Kirloskarvadi
- 20 Kirloskar Ebara Pumps Limited, Kirloskarvadi

Regional Offices

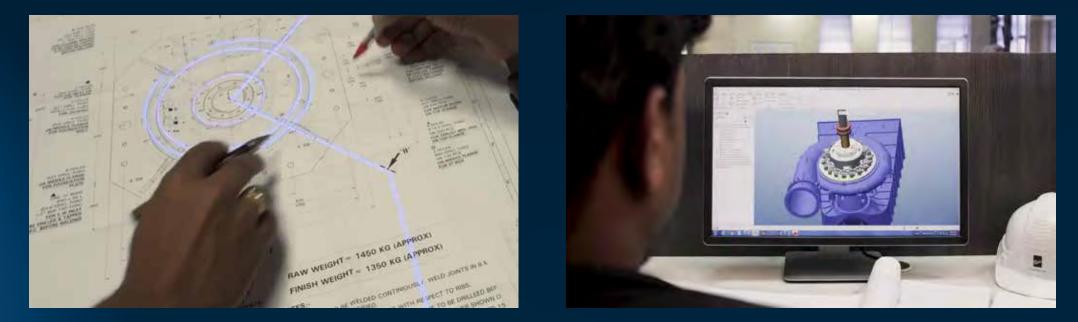
- 21 New Delhi
- 22 Chennai
- 23 Kolkata
- 24 Mumbai
- 25 Ahmedabad
- 26 Bengaluru
- 27 Hyderabad



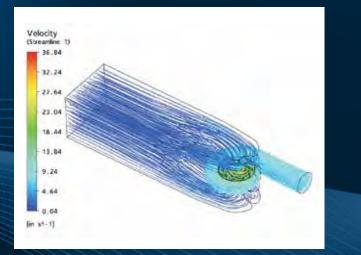
Research & Development

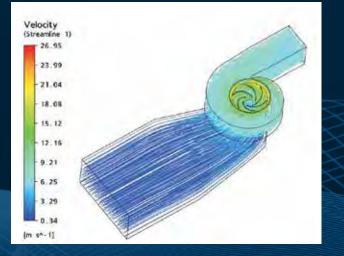
We cultivate a culture of continuous innovation driven by our commitment to "Fluid Management for a Better Tomorrow". Our dedicated Research and Development (R&D) team actively explores and implements groundbreaking technologies to enhance pump efficiency, reliability and sustainability. This relentless pursuit of innovation has led to the development of cutting-edge solutions addressing challenges like reducing energy consumption, minimising environmental impact and extending pump lifespans. By constantly pushing the boundaries of fluid management technology, KBL is shaping a future where efficient and responsible fluid management empowers a sustainable world.

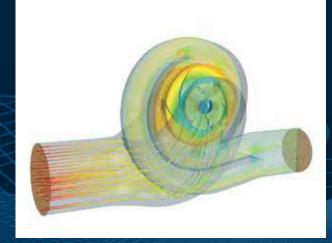




Computational Fluid Dynamics (CFD) / Structural Analysis







Digital Solutions

Augmented Reality (AR) plays an integral role in our business operations as it helps us integrate and manage all our service knowledge on one platform thus enabling quicker problem resolutions through diagnostics based on the cumulative experience of the service engineers around the world.







Advanced Technology Product Division (ATPD)

ATPD is a new manufacturing division at the company's mother plant in Kirloskarvadi, for high-end technology products, especially for nuclear applications. It has a stateof-the-art facility spread across a 6000 sq. m area and is fully equipped with modern machines and testing facilities, including special measuring instruments.

3D Printing

The only pump company in India to use 3D printer for pump casting

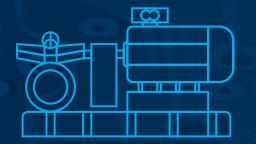
Advantages

- Reduces the process cycle (manufacturing) time
- Improves quality of the product
- Aids in designing products with improved efficiency
- Reduces the defects

- Helps validate new development concepts and accelerates the introduction of innovations to the market
- Reduces wastage of material and person-hours

Our Innovative Solutions

LLC[™] Pumps, PICO/PAT & KirloSmart[™]



Kirloskar Brothers Ltd. was the first company in the world to design the **Lowest Lifecycle Cost (LLC™)** Pumps based on the recommendations of Hydraulic Institute and Euro Pump.

Lowest Lifecycle Cost (LLC[™]) Pump series focuses on the energy consumption and maintenance cost of the pumps. It is beneficial to evaluate the life cycle cost of a pump to compare the available pumping system while making buying decisions



KirloSmart[™] is an IoT-based remote pump monitoring solution that allows users to view pump parameters online and aids in diagnostics.

KirloSmart[™] captures data from pressure transmitters, flow meters, vibration sensors, bearing RTD and energy meters. It can monitor parameters like flow, pressure, vibration, bearing temperature, voltage, current, energy consumption, etc.



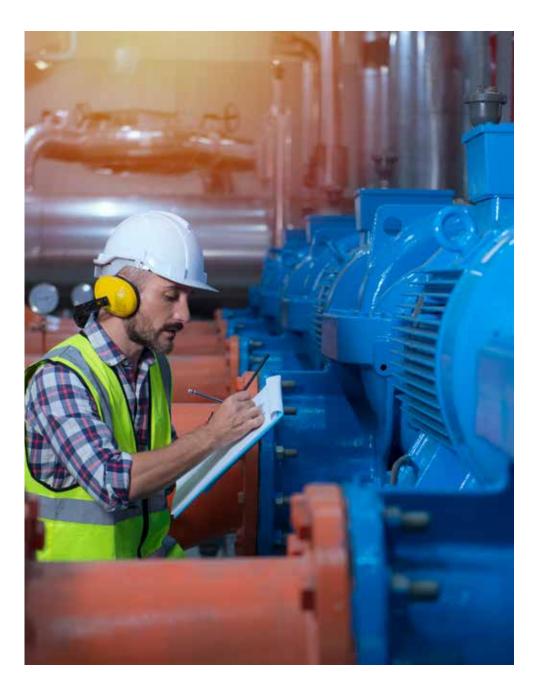
The **PICO Pump turbine system** is an eco-friendly energy alternative that generates electricity. It boasts cost-efficiency, portability and low maintenance, rendering it an ideal choice for rural areas, hilly regions with water streams, high-rise structures and even power plants.

PICO is generally used for meeting smaller energy requirements (up to 10 kW) while Pumps as Turbines (PAT) can be used for meeting comparatively higher energy (up to 400 kW) requirements. Beyond its attractive investment aspect, it also significantly contributes to environmental preservation and is a driving force towards a greener future.



At KBL, we are committed to the entire life cycle of our engineering products and services, from specification and design to installation, repair and replacement. Our team of experienced and trained pump maintenance specialists assure timely and expert after-sales service for optimal customer satisfaction.

KBL has a dedicated and extensive service network of more than 650 authorised service centres and 143 spare parts authorised dealers.



Steps for E-Warranty Registration



- Log on to the web site www.kirloskarpumps.com
- Scroll down and go to the option of E-Warranty Registration
- Enter the pump serial number and other necessary details as requested
- Register for E-Warranty



- For your newly purchased pumps, keep the pump invoice ready with you
- Send a message on KBL's WhatsApp number 9922710710 & provide requested details for registration of E-Warranty
- You can also email us the necessary details for registration of E-Warranty on: kblcare@kbl.co.in

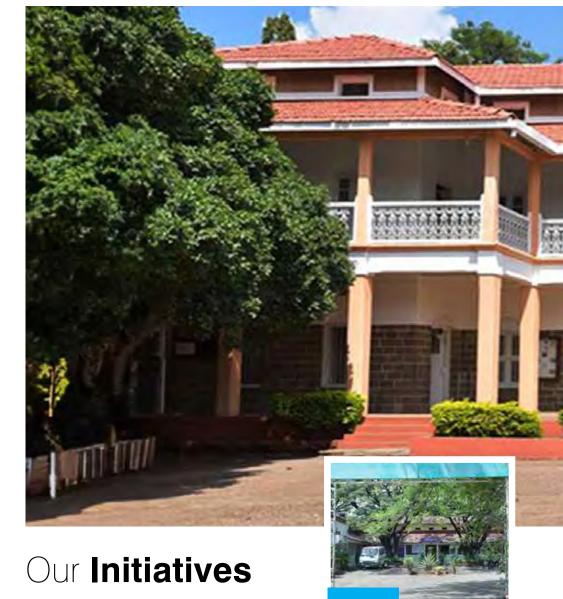


- Download the KBLOne4All App from Google Play Store and iOS App Store
- Select the user category and login with the help of mobile number by filling up the necessary details as requested
- System has 2 options regarding the capture of pump serial number: through QR Code scanning available on the pump or through manual entry of the pump serial number
- Register for E-Warranty

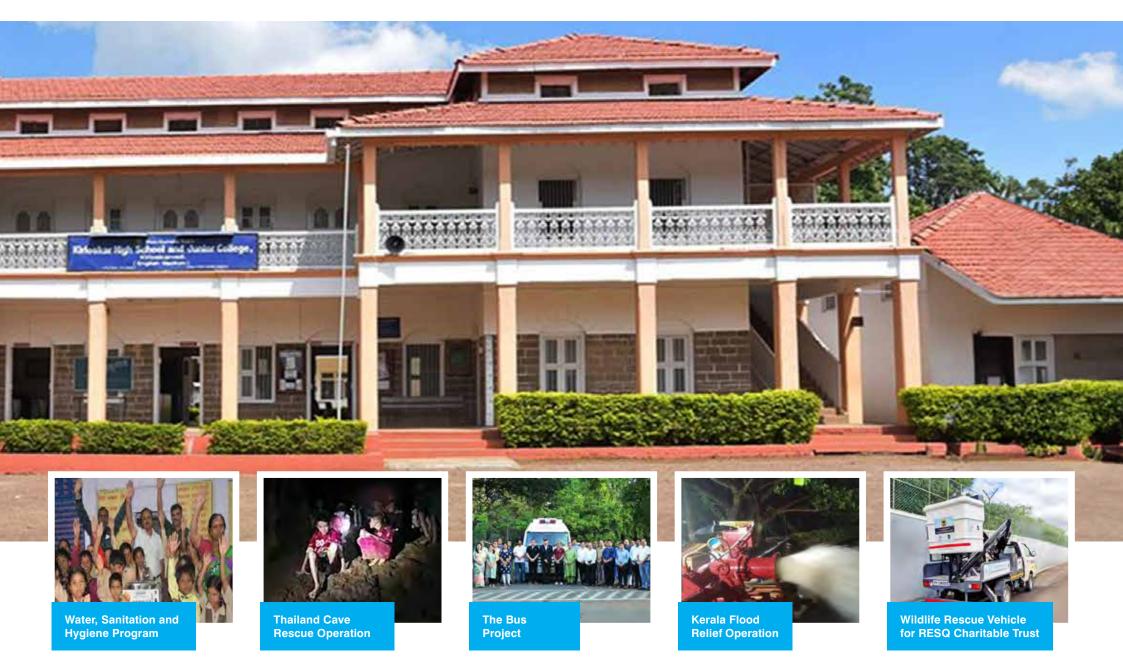
Corporate Social Responsibility



KBL conducts an array of activities and campaigns throughout the year. Primarily, the company focuses on three areas for its CSR contributions: Education, Healthcare and Environment, through Vikas Charitable Trust and Sou. Radhabai Trust.



Hospital





Enriching Lives

KIRLOSKAR BROTHERS LIMITED

Established 1888 A Kirloskar Group Company

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