

ABBREVIATIONS

3D	3 Dimensional
5R	Rethink, Refuse, Reduce, Reuse, and Recycle
ABB	ASEA Brown Boveri
ADIPEC	Abu Dhabi International Petroleum Exhibition and Conference
AGM	Annual General Meeting
AI	Artificial Intelligence
AIMA	All India Management Association
AI-ML	Artificial Intelligence- Machine Learning
API	American Petroleum Institute
APOEM	Authorised Pump-set Original Equipment Manufacturer
AR	Augmented Reality
AR/VR	Augmented Reality/Virtual Reality
ARAI	Automotive Research Association of India
ASRS	Automated Storage and Retrieval Systems
B&C	Buildings & Construction
BARC	Bhabha Atomic Research Centre
BEE	Bureau of Energy Efficiency
BF	Blast Furnace
BIS	Bureau of Indian Standards
BoD	Board of Directors
BPMA	British Pump Manufacturers Association
BRSR	Business Responsibility and Sustainability Report
BS	Bachelor of Science
CAPEX	Capital Expenditure
CBIP	Central Board of Irrigation & Power
CCTV	Closed Circuit Television
C-DoT	Center for Development of Telematics
CE	Conformité Européene
CED	Cathodic Electro Deposition
CEO	Chief Executive Officer
CESC	Calcutta Electric Supply Corporation
CESTAT	Customs, Excise and Service Tax Appellate Tribunal
CFL	Compact Fluorescent Lamp
CFO	Chief Financial Officer
CGU	Cash Generating Unit
CI	Cast Iron
CII	Confederation of Indian Industry
CIT	Commissioner of Income Tax
CMD	Chairman and Managing Director
CNC	Computerised Numerical Controlled
CNG	Compressed Natural Gas
CO₂eq	Carbon Dioxide Equivalent

CPBS	Consistent Pressure Boosting System
CPS	Customer Perception Survey
CRISIL	Credit Rating Information Services of India Limited
CRM	Customer Relationship Management
CSIR	Council of Scientific & Industrial Research
CSR	Corporate Social Responsibility
CSS	Customer Service and Spares
CST	Central Sales Tax
CVP	Concrete Volute Pump
DGGI	Directorate General of GST Intelligence
EBITDA	Earnings Before Interest, Taxes, Depreciation and Amortisation
EES	Employee Engagement Survey
EFQM	European Foundation for Quality Management
EHS	Environment, Health, and Safety
EMEA	Europe, the Middle East and Africa
EMS	Environmental Management System
ENCON	Energy Conservation Programme
EnMS	Energy Management System
EPC	Engineering, Procurement, and Construction
EPR	Extended Producer Responsibility
EPS	Earnings Per Share
ERP	Enterprise Resource Planning
ESD	Engineered Service Division
ESG	Environmental, Social and Governance
ETO	Engineered to Order
ETP	Effluent Treatment Plant
FEMA	Foreign Exchange Management Act
FGD	Flue Gas Desulphurisation
FICCI	Federation of Indian Chambers of Commerce & Industry
FM/UL	Factory Mutual/ Underwriters Laboratories
FTE	Fixed Term Employee
FOCUS	Future Opportunities Careers And Ultimate Success
FSIE	Fire Safety & Security India Expo
FY	Financial Year
GBP	Great British Pound
G20	Group of Twenty
GDP	Gross Domestic Product
GHG	Green House Gases
GJ	Gigajoules
GPC	Group Policy Container
GPM	Gallons Per Minute



GRI	Global Reporting Initiative
GreenCo	Green Company
GreenPro	Green Product
GST	Goods and Services Tax
GTM	Go-To Market
HCC	Hindustan Construction Company
HEG	Hindustan Electro-Graphites
HI	Hydraulic Institute
HIRA	Hazard Identification and Risk Assessment
HIV	Human Immunodeficiency Virus
HO	Head Office
HP	Horse Power
HPML	High-Pressure Molding Line
HVAC	Heat Ventilation, Air Conditioning
HPYN	Hydro-Pneumatic Pressure Boosting System
HR	Human Resource
IEEMA	Indian Electrical and Electronics Manufacturers' Association
IEI	Institution of Engineers
IEW	India Energy Week
IFC	Internal Financial Controls
IGBC	Indian Green Building Council
IGBT	Insulated-Gate Bipolar Transistor
IGCC	Indo-German Chamber of Commerce
IIOT	Industrial Internet of Things
IIM	Indian Institute of Management
IIRC	International Integrated Reporting Council
IIT	Indian Institute of Technology
IITB	Indian Institute of Technology Bombay
INR	Indian Rupee
INBA	Indian Naval Benevolent Association
IOCL	Indian Oil Corporation Limited
IoT	Internet of Things
IPMA	Indian Pump Manufacturers Association
IR	Industrial Relations
IR (in re- porting)	Integrated Report
ISHRAE	The Indian Society of Heating, Refrigerating and Air Conditioning Engineers
ISO	International Organisation for Standardisation
IS	Indian Standard
IT	Information Technology
ITSM	Information Technology Service Management
JH	Jishu Hozen
JIPM	Japan Institute of Plant Maintenance
JMD	Joint Managing Director
JV	Joint Venture

KBIBV	Kirloskar Brothers International B.V.
KBL	Kirloskar Brothers Limited
KBTL	Kirloskar Brothers (Thailand) Limited
KCPL	Kirloskar Corrocoat Private Limited
KEC	Kamani Engineering Corporation
KEPL	Kirloskar Ebara Pumps Limited
KIMA	Karad Industrial Manufactures Association
KOV	Kirloskarvadi
kL	Kilo Litre
KPL	Kirloskar Premier League
KPML	Karad Projects and Motors Limited
KPIs	Key Performance Indicators
kW	Kilowatt
LED	Light-Emitting Diode
LEED	Leadership in Energy and Environmental Design
LLC	Lowest Lifecycle Cost
LLC (Com- pany)	Limited Liability Company
LLP	Limited Liability Partnership
LPD	Large Pump Division
LPG	Liquefied Petroleum Gas
LPM	Liters Per Minute
M&A	Mergers and Acquisitions
m³/hr	Cubic Metres Per Hour
MBA	Master of Business Administration
MCCIA	Mahratta Chamber of Commerce, Industries and Agriculture
MD	Managing Director
MEI	Minimum Efficiency Index
MEL	Minimum Efficiency Level
MENA	Middle East & North Africa
MEP	Mechanical, Electrical & Plumbing
MES	Manufacturing Execution System
MIT	Massachusetts Institute of Technology
mm	millimeter
mn	million
MNC	Multinational Company
MSEE	Master of Science in Electrical Engineering
MT	Metric Tonne
MTO	Made to Order
MTS	Made to Stock
MVP	Metallic Volute Pump
MW	Megawatt
MWp	Megawatt peak
NAMC	National Award for Manufacturing Competitiveness
NCQC	National Council for Quality Circle
NDT	Non-Destructive Testing

NGO	Non-Government Organisation
NID	National Institute of Design
NITK	National Institute of Technology Karnataka
NOx	Nitrogen Oxides
NSTL	Naval Science & Technological Laboratory
NVDA	Narmada Valley Development Authority
OD	Outside Diameter
OECD	Organisation for Economic Co-operation and Development
OEE	Overall Equipment Effectiveness
OEM	Original Equipment Manufacturer
OH&S	Occupational Health And Safety
OHS	Occupational Safety and Health
OPEC+	Organisation of the Petroleum Exporting Countries
OTIF	On Time In Full
PAT (In Financials)	Profit After Tax
PAT (In Pumps)	Pump As Turbine
PBT	Profit Before Tax
PCP	Primary Coolant Pump
PF	Provident Fund
PFMEA	Process Failure Mode and Effects Analysis
pH	Potential of Hydrogen
PHWR	Pressurised Heavy Water Reactor
PKL	Pro Kabaddi League
PLC	Public Limited Company
PM	Particulate Matter
PO	Purchase Order
POSH	Policy on Prevention of Sexual Harassment
PPA	Power Purchase Agreement
PPP	Public-Private Partnership
PPE	Property, Plant and Equipment
PPM	Parts Per Million
PSU	Public Sector Undertaking
Psi	Pounds per Square Inch
Q2	Quarter 2
Q3	Quarter 3
Q4	Quarter 4
QCFI	Quality Circle Forum of India
QMS	Quality Management System
R&D	Research & Development
RBI	Reserve Bank of India
RE	Renewable Energy
RO	Regional Office
ROCE	Return on Capital Employed

ROE	Return on Equity
ROHS	Restriction of Hazardous Substances
RPA	Robotic Process Automation
ROI	Return on Investment
SAP	Systems, Applications & Products in Data Processing
SCADA	Supervisory Control and Data Acquisition
SCBA	Self-Contained Breathing Apparatus
SDGs	Sustainable Development Goal
SEBI	Securities and Exchange Board of India
SEP	School Empowerment Programme
SKUs	Stock Keeping Units
SMPD	Small and Medium Pump Division
SOx	Sulfur Oxides
SPB	Small Pump Business
SPP	Sigmund Pulsometer Pumps
SQIP	Supplier Quality Improvement Program
STP (in water treatment)	Sewage Treatment Plant
STP (in pumps)	Submersible Turbine Pump
SRC	S.Rudraradhya & Co
STP	Standard Temperature and Pressure
TAS	Tata Administrative Service
TBEM	Tata Business Excellence Model
TDS	Total Dissolved Solids
TERI	The Energy and Resources Institute
TKSL	The Kolhapur Steel Limited
TPM	Total Productive Maintenance
TPQM	Total Productivity and Quality Management.
UAE	United Arab Emirates
UK	United Kingdom
UNSDGs	United Nations Sustainable Development Goals
USA	United States of America
USD	United States Dollar
VC/OAVM	Video Conferencing / Other Audio Visual Means
VFD	Variable Frequency Drive
VNIT	Visvesvaraya National Institute of Technology
VOC	Volatile organic compounds
VR	Virtual Reality
VT	Vertical Turbine
VTL	Vertical Turning Lathes
WDO	World Design Organisation
YOY	Year on Year
YPL	Yamuna Premier League
ZAR	Zuid-Afrikaanse Rand



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