



ABBREVIATIONS

3D	3 Dimensional
3Rs	Reduce, Reuse & Recycle
AI	Artificial Intelligence
AIMA	All India Management Association
AMC	Annual Maintenance Contract
ANSI	American National Standards Institute
API	American Petroleum Institute
APOEM	Authorised Pump-set Original Equipment Manufacturer
AR	Augmented Reality
ARC	Authorised Refurbishment Centre
ASTM	American Society for Testing and Materials
ATDP	Advanced Technology Product Division
ATEX	ATmosphere EXplosible
AVP	Associate Vice President
B2B	Business-to-Business
B2C	Business-to-Consumer
BEE	Bureau of Energy Efficiency
BIS	Bureau of Indian Standards
BPCL	Bharat Petroleum Corporation Limited
BoD	Board of Directors
BRSR	Business Responsibility and Sustainability Report
BSE	Bombay Stock Exchange Limited
BN	Billion
CAPEX	Capital Expenditure
CBA	Collective Bargaining Agreement
CBIP	Central Board of Irrigation & Power
C-DoT	Centre for Development of Telematics
CE	Conformist Européenne
CED	Cathodic Electro Deposition
CEO	Chief Executive Officer
CFO	Chief Financial Officer
CII	Confederation of Indian Industry
CHRM&C	Corporate Human Resource Management and Communication
CMD	Chairman and Managing Director
CMERI	Central Mechanical Engineering Research Institute
CMO	Chief Marketing Officer
CNC	Computerised Numerical Control
CO	Carbon Monoxide

CPS	Customer Perception Survey
COD	Central Ordinance Depot
CPCB	Central Pollution Control Board
CRISIL	Credit Rating Information Services of India Limited
CRM	Complaint Relationship Management
CSR	Corporate Social Responsibility
CWPRS	Central Water and Power Research Station
CY	Calendar Year
DEI	Diversity, Equity, and Inclusion
EBITDA	Earnings Before Interest, Taxes, Depreciation and Amortization
EES	Employee Engagement Survey
EHS	Environment, Health, and Safety
ENCON	Energy Conservation
EPC	Engineering, Procurement and Construction
EPS	Earnings Per Share
EPR	Extended Producer Responsibility
ESD	Engineering Services Division
ERM	Enterprise Risk Management
ESG	Environmental Social and Governance
EU	European Union
ESIC	Employees State Insurance Corporation
ETP	Effluent Treatment Plant
FEMA	Foreign Exchange Management Act, 1999
FFT	Fast Fourier Transform
FGD	Flue Gas Desulphurisation
FICCI	Federation of Indian Chambers of Commerce and Industry
FIEO	Federation of Indian Export Organisations
FM/UL	Factory Mutual (FM) and/or Underwriting Laboratories (UL)
FY	Financial Year
GDP	Gross Domestic Product
GDPR	General Data Protection Regulation
GHG	Green House Gas
GI	Galvanised Iron
GJ	Giga Joule
GOI	Government of India
GPM	Gallons Per Minute
GRI	Global Reporting Initiative
GTM	Go To Market



HANA	High-performance Analytic Appliance
HDPE	High Density Polyethylene
HEG	Hindustan Electro-Graphites
HI	Hydraulic Institute
HP	Horsepower
HIRA	Hazard Identification & Risk Assessment
HO	Head Office
HOD	Head of Department
HPCL	Hindustan Petroleum Corporation Limited
HYPN	Hydropneumatic Pressure Boosting System
HPML	High Pressure Molding Line
HR	Human Resource
IATF	International Automotive Task Force
IBR	Indian Boiler Regulation
IDM	India Design Mark
ICC	Internal Complaint Committee
IEEMA	Indian Electric and Electronic Manufacturers' Association
IEX	Indian Energy Exchange
IFA	Indian Foundry Association
IGAAP	Indian Generally Accepted Accounting Principles
IIRC	International Integrated Reporting Council
IIS	Indian Institute of Science
IMD	International Institute for Management Development
IMS	Integrated Management System
Ind AS	Indian Accounting Standards
INR	Indian Rupees
IOCL	Indian Oil Corporation Ltd
IOM	Installation and Operation Manual
IoT	Internet of Things
IPMA	Indian Pump Manufacturers' Association
IR	Integrated Report
IRS	Indian Register of Shipping
ISO	International Organization for Standardization
IT	Information Technology
JMAC	Japan Management Association Consultants Inc.
JMD	Joint Managing Director
KBL	Kirloskar Brothers Limited
KCPL	Kirloskar Corrocoat Private Limited
KEPL	Kirloskar Ebara Pumps Limited
kL	Kilo Litre

KMP	Key Managerial Personnel
KOV	Kirloskarvadi
KPIs	Key Performance Indicators
KPML	Karad Projects & Motors Limited
KVM	Kernel-based Virtual Machine
KW	Kilowatt
kWh	Kilowatt Hours
LCA	Life Cycle Analysis
LEED	Leadership in Energy and Environmental Design
LLC	Lowest Life-cycle Cost
LLC	Limited Liability Company
LOTO	Lock-Out Tag-Out
LMS	Learning Management System
LPG	Liquefied Petroleum Gas
LTIFR	Lost Time Injury Frequency Rate
MCCIA	Mahratta Chamber of Commerce, Industries and Agriculture
MD	Managing Director
MEI	Minimum Efficiency Index
MIT	Massachusetts Institute of Technology
ML	Machine Learning
mn	Million
MNC	Multinational Corporation
MSEE	Master of Science in Environmental Engineering
MSMEs	Ministry of Micro, Small & Medium Enterprises
MT	Metric Tonnes
MW	Megawatt
NA	Not Applicable
NABL	National Accreditation Board for Testing and Calibration Laboratories
NDT	Non-Destructive Testing
NGO	Non-governmental Organization
NGRBC	National Guidelines on Responsible Business Conduct
NH4	National Highway-4/Mumbai Bangalore Highway
NORSOK	Norsk Sokkels Konkurransesisjon (the competitive position of the Norwegian continental shelf)
NOx	Nitrogen Oxides
NPHSR	Net Positive Suction Head Required
NPS	National Pension Scheme
NSC	National Safety Council



NSF	National Sanitation Foundation
NSFMFP	National Society of Fluid Mechanics and Fluid Power
NTPC	National Thermal Power Corporation
OAVM	Other Audio-Visual Means
OEE	Overall Equipment Effectiveness
OEM	Original Equipment Manufacturer
OHSAS	Occupational Health and Safety Assessment Series
OTIF	On Time In Full
PAT	Profit After Tax
PAT	Pump As Turbine
PED	Pressure Equipment Directive
PF	Provident Fund
PLC	Programmable Logic Controller
PM-STIAC	Prime Minister's Science Technology and Innovation Advisory Council
PNG	Piped Natural Gas
POSH	Prevention of Sexual Harassment Committee
PPE	Personal Protective Equipment
PSB	Pump Shaft Break
PSI	Pounds per Square Inch
R&D	Research & Development
RAPP	Rajasthan Atomic Power Station
R&R	Rehabilitation and Resettlement
RBI	Reserve Bank of India
RE	Renewable Energy
RO	Reverse Osmosis
ROCE	Return on Capital Employed
SAIF	Sophisticated Analytical Instrument Facilities
SATHI	Sophisticated Analytical & Technical Help Institutes
SCADA	Supervisory Control and Data Acquisition

SCM	Supply Chain Management
SEBI	Securities and Exchange Board of India
SCORES	SEBI Complaints Redress System
SHL/SHM	Series solid handling pumps
SIDBI	Small Industries Development Bank of India
SIEMA	The Southern India Engineering Manufacturers' Association
SKU	Stock Keeping Unit
SLDP	Support Level Development Program
SOx	Sulphur Oxides
SMEs	Small and Medium-sized Enterprises
SP	Self- priming
SPM	Suspended Particulate Matter
SPCB	State Pollution Control Board
SQIP	Supplier Quality Improvement Program
TERI	The Energy and Resources Institute
STP	Sewage Treatment Plant
TIFAC	Technology Information, Forecasting and Assessment Council
TKSL	The Kolhapur Steel Limited
TPQM	Total Productivity and Quality Management
UAE	United Arab Emirates
UK	United Kingdom
UN SDGs	United Nations Sustainable Development Goals
USA	United States of America
USD	U.S. Dollar
VA/VE	Value Analysis and Value Engineering
VFD	Variable Frequency Drive
VNIT	Visvesvaraya National Institute of Technology
VR/AR	Virtual Reality and Augmented Reality
VSD	Variable Speed Drive
ZAR	South African Rand