

## LIST OF ABBREVIATIONS

Abbreviation	Expanded Form
AICTE	All India Council for Technical Education
AIOC	Azerbaijan International Oil Company
ANOVA	Analysis of Variance
ANP	National Petroleum Agency (Brazil)
ANPEI	National Association of R&D of Innovative Companies (Brazil)
APC	Advanced Process Control
API	American Petroleum Institute
ASCI	Administrative Staff College of India
ATA	Consortium of AMEX, TekFen and Azfen
B2B	Business to Business
B2C	Business to Customer
BAH	Booz Allen Hamilton
BARC	Baba Atomic Research Centre
Bcf	Billion Cubic Feet
BCG	Boston Consulting Group
BG	British Gas
BINR	Billion Indian Rupees
BOT	Build, Operate and Transfer
BP	British Petroleum
BPCL	Bharat Petroleum Corporation Limited
BPO	Business Process Outsourcing
BRASSCOM	Brazilian Association of Information Technology and Communication Companies
BRIC	Acronym for Brazil, Russia, India and China
BRL	Brazilian Real (1 BRL = 0.57 USD as on January 1, 2010)

<b>Abbreviation</b>	<b>Expanded Form</b>
BTX	Benzene Toluene Xylenes
BUSD	Billion United States Dollars
CAD	Computer Aided Design
CAS	Chinese Academy of Sciences
CDUT	Chengdu University of Technology
CEO	Chief Executive Officer
CIA	US Government Central Intelligence Agency
CII	Confederation of Indian Industry
CMC	Central Military Commission of China
CMMI	Capability Maturity Model
CMMI	Capability Maturity Model Integration
CNG	Compressed Natural Gas
CNOOC	China National Offshore Oil Corporation
CNPC	China National Petroleum Corporation
CPCL	Chennai Petroleum Corporation Limited
CSIA	China Software Industry Association
DHDS	Diesel Hydro De-Sulpherisation
DHDT	Diesel Hydro Treater
DPR	Detailed Project Report
DSL	Digital Subscriber Line
DTA	Domestic Tariff Area
E&P	Exploration and Production
EIA	Energy Information Administration (USA)
EIL	Engineers India Limited
ENR	Mc-Graw Gill Construction Engineering News Record
EOR	Enhanced Oil Recovery

<b>Abbreviation</b>	<b>Expanded Form</b>
EPC	Engineering, Procurement & Construction
EPCM	Engineering, Procurement, Construction Management
EPIC	Engineering Procurement Installation & Construction
EPZ	Export Processing Zone
ERP	Enterprise Resource Planning
ES	Engineering Services
ESO	Engineering Services Outsourcing
ETDZ	Economic and Technological Development Zone
EURO	Euro (1 EUR = 1.432 USD as on January 1, 2010)
FCC	Fluidized Catalytic Cracking
FCT	Formation Characteristic Tool
FDI	Foreign Direct Investment
FEED	Front-End Engineering Design
FERA	Fire, Explosion and Risk Analysis
FICCI	Federation of Indian Chambers of Commerce and Industry
FIE	Foreign Investment Enterprise
FPSO	Floating Production, Storage, and Offloading
FTZ	Free Trade Zone
G3	Collective term for USA, Japan and the economies of the Euro Zone
G6	Collective term for USA, UK, Germany, Japan, Italy and France
G7	Collective term for USA, UK, Germany, Japan, Italy, France and Canada
GAIL	Gas Authority of India Limited
GBP	Great Britain Pound (1 GBP = 1.61 USD as on January 1, 2010)
GDM	Global Delivery Model
GDP	Gross Domestic Product
GEOPIC	Geodata Processing and Interpretation Centre

<b>Abbreviation</b>	<b>Expanded Form</b>
HPCL	Hindustan Petroleum Corporation Ltd.
HRD	Human Resource Development
HTSL	Honeywell Technology Solutions Lab
IAM	Integrated Asset Management
ICT	Information and Communication Technology
ICWAI	Institute of Cost and Work Accountants of India
IDT	Institute of Drilling Technology
IEOT	Institute of Engineering and Ocean Technology
IIM	Indian Institute of Management
IISER	Indian Institute of Science, Education and Research
IIT	Indian Institute of Technology
IMD	Institute of Management Development
IMF	International Monetary Fund
IMS	Information Management System
INBIGS	Institute of Biotechnology & Geotectonics Studies
INR	Indian Rupee (1 INR = 0.0214 USD as on January 1, 2010)
IOC	International Oil Company
IOCL	Indian Oil Corporation Limited
IOGPT	Institute of O&G Production Technology
IP	Intellectual Property
IPR	Intellectual Property Rights
IPSHEM	Institute of Petroleum Safety, Health & Environment Management
IRS	Institute of Reservoir Studies
ISC	Integrated Service Companies
ISM	Indian School of Mines
ISO	International Organisation for Standardisation
IT	Information Technology

<b>Abbreviation</b>	<b>Expanded Form</b>
ITeS	Information Technology enabled Service
ITO	Information Technology Outsourcing
JCCT	Joint Commission on Commerce and Trade
JFWTC	John F. Welch Technology Centre
Kbps	Kilobits per second
KDMIPE	Keshav Deva Malaviya Institute of Petroleum Exploration
KPO	Knowledge Process Outsourcing
kWh	Kilowatt per hour
LNG	Liquefied Natural Gas
LPG	Liquefied Petroleum Gas
LSTK	Lump Sum Turn Key
MFD	Most Favoured Destination
MMTPA	Million Metric Tonne Per Annum
Mn	Million
MNC	Multinational Company
MOC	Major Oil Company
MOPNG	Ministry of Petroleum and Natural Gas
MoU	Memorandum of Understanding
Mbps	Megabits per second
MINR	Million Indian Rupees
MUSD	Million United States Dollars
MVA	Multi-Vari Analysis
NASSCOM	National Association of Software and Service Companies (India)
NELP	New Exploration License Policy
NGO	Non-Governmental Organisation
NIT	National Institute of Technology
NOC	National Oil Company

<b>Abbreviation</b>	<b>Expanded Form</b>
NOK	Norwegian Krone (1 NOK = 0.173 USD as on January 1, 2010)
NPC	National People's Congress (China)
NPE	National Policy on Education (India)
O&G	Oil and Gas
OECD	Organisation for Economic Co-operation and Development
OEM	Original Equipment Manufacturer
OFS	Oil Field Service
OGJ	Oil and Gas Journal
OIL	Oil India Limited
ONGC	Oil and Natural Gas Corporation (India)
OPEC	Organisation of the Petroleum Exporting Countries
PAH	Polycyclic Aromatic Hydrocarbon
PC	Personal Computer
PDS	Plant Design Solution
PLA	People's Liberation Army (China)
PMC	Project Management Consultancy
PPP	Purchasing Power Parity
PRTC	Polymer Research and Technology Centre
PSC	Production Sharing Contract
PSU	Public Sector Unit
R&D	Research and Development
RD&D	Research, Development & Deployment
REC	Regional Engineering College (India)
RFCC	Residue Fluidized Catalytic Cracking
RMB	Renminbi (1 RMB = 0.1464 USD as on January 1, 2010)
RUB	Russian Ruble (1 RUB = 0.03031 USD as on January 1, 2010)

<b>Abbreviation</b>	<b>Expanded Form</b>
SCADA	Supervisory Control And Data Acquisition'
SECCO	Shanghai Ethylene Chemical Company
SEZ	Special Economic Zone
SME	Small and Medium Enterprises
SPE	Society of Petroleum Engineers
SPV	Special Purpose Vehicle
STF	Supreme Federal Tribunal (Brazil)
STI	Shell Technology India
STPI	Software Technology Parks of India
SUDAM	Superintendence for the Development of the Amazon Region
SUDENE	Superintendence for the Development of the Northeast
SWOT	Acronym for Strengths, Weaknesses, Opportunities and Threats
SWRL	Shaw Rolta Limited
Tcf	Trillion Cubic Feet
TCS	Tata Consultancy Services
TERI	The Energy Research Institute (India)
TIFR	Tata Institute of Fundamental Research (TIFR)
TJ	Justice Tribunal (Brazil)
TOPS	Total Optimisation of Process Systems
TRIPS	Trade Related Aspects of Intellectual Property Rights
TUSD	Trillion US Dollar
UK	United Kingdom
UNCTAD	United Nations Conference on Trade and Development
UNESCO	United Nations Educational, Scientific and Cultural Organisation
UPES	University of Petroleum & Energy Studies
US/USA	United States of America

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USD	United States Dollar (Currency)
USPTO	United States Patents and Trademark Office
USSR	Union of Soviet Socialist Republics
USTR	United State Trade Representative
VAT	Value Added Tax
WECP	World Energy Cities Partnership
WIPO	World Intellectual Property Organisation
WTO	World Trade Organisation
Y2K	Acronym for Year 2000

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