

# مخفف های متداول در پروژه های نفت، گاز و پتروشیمی



تهیه و تدوین: سایت صنعت نفت

Oilindustry.ir

# A

A	Area
A/D	Analog/Digital
AA	Abandonment Allowance
AARH	Arithmetic Average Roughness Height
AB	Anchor Bolt
ABDC	After Bottom Dead Center
ABS	Acrylonitrile-Butadiene-Styrene
ABS	Acrylonitrielle-Butadiens-Styrene
ABU	Asphalt Blowing Unit
AC	Actual Cost
AC	Heating, Ventilation, Air Conditioning Cooling And Refrigeration
AC	Accounting
AC	Air Conditioner
AC	Actual Cost
AC	Alternating Current
ACE	Acetylene

## Acronym & Abbreviation

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ACFTD	AC Fine Test Dust
ACG	Acid Gas
ACI	American Concrete Institute
ACWP	Actual Cost of Work Performed
AD	Activity Description
AD	Area Drain
ADM	Arrow Diagramming Method
AE	Apportioned Effort
AF	Actual Finish Date
AF	Air Lift
AFC	Approved For Construction
AFE	Authorization For Expenditure
AFS	Air Foam Chambers
AFT	Approved For Tender
AFW	Air Foam Water Solution
AG	Agitator
AIR	Air(Drying Service)
AISC	American Institue Of Steel Construction
AIT	Auto Ignition Temperatur

## Acronym & Abbreviation

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AL	Aluminum
AL	Air Lock
ALC	Alcohol
AM	Ammoniator
AMDEA	Active Mono De Ethanol Amin
AMER. STD	American Standard
AMN	Amine
AMN/SWS	Amin Treating And Sour Water Stripping Unit
AMO	Ammonia
AMR	Automatic Meter Reading
AN	Annunciator Panel
ANCILLARY	Ancillary Facilities (Including All Ancillary Refinery Building,Civil Works And All General Items)
ANSI	AMERICAN NATIANAL STANDARD INSTITUTE
ANSI	American National Standards Institue
AOA	Activity – On – Arrow
AOF	Absolute Open Flow
AON	Activity On Node
AP	Aeration Pad

## Acronym & Abbreviation

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AP	Amplifier Panel
APC	Advanced Process Control
APD	Abnrmal Peak Day
API	American Petroleum Standard
API	American Petroleum Institue
APP	Approve
APPD	Approved
APPL	Approval
APPROX	Approximate
AR	Heating, Ventilation, Air Conditioning Cooling And Refrigeration
ARCH	Architectural
ARR	Arrangement
AS	Actual Start Date
ASCE	American Society Of Civil Engineering
ASLE	American Society of Lubrication Engineers
ASME	American Society Of Mechanical Engineering
ASP	Asphalt
ASPH	Asphalt

## Acronym & Abbreviation

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ASSEM	Assembly
ASSN	Association
ASSOC	Associate
ASST	Assistant
ASTM	American Standard Of Testing Materials
ASTM	American Society For Testing And Materials
AT	Antenna Tower
ATDC	After Top Dead Center
ATF	Automatic Transmission Fluid
ATM	Atmospheric
ATS	Automatic Transfer Switch
AU	Autoclave
AUTO	Automatic
AUX	Auxiliary
AVG	Average
AVL	approved vendor list
AWG	American Wire Gauge
AWS	American Welding Society

## Acronym & Abbreviation

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# B

B	Boiler,Steam
B TO B	Back To Back
B X T	Beveled By Threaded (Pipe Nipple)
B/L	Base Line
B/M	Bill Of Material
BA	Bin Activator
BAC	Budget At Completion
BAR	Barometric
BAT	Battery
BB	Bolted Bonnet
BB	Bar Bending
BBDC	Before Bottom Dead Center
BBE	Bevel Both Ends (Pipe Nipple)
bbl/sd	Barrels Per Stream Day
BC	Bolt Circle
BCF	Bilion Cubic Feet
BCWP	Budgeted Cost of Work Performed
BCWS	Budgeted Cost Of Work Scheduled

## Acronym & Abbreviation

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BD	Blow Down
BD	Building,Shelter
BD	Building
BD	Board
BDC	Bottom Dead Center
BDN	Blowdown
BE	Beveled End
BE	Bucket Elevator
BE X TE	Beveled End By Threaded End (Pipe Nipple)
BEDD	Basic Engineering Design Data
BEP	Basic Engineering(Design) Package
BET	Between
BF	Blind Flange
BFD	Block Flow Diagram
BFW	Boiler Feed Water
BG	Breacker Gyrotory
BH	Bag House
BHCT	Bottomhole Circulating Temperatur
BHHP	Bit Hydraulic Horsepower



## Acronym & Abbreviation

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BHIP	Bottomhole Circulating Temperatur
BHN	Brinell Hardness Number
BHP	Brake Horse Power
BK	Bricketing Machin
BL	Building Line
BL	Blower
BL	Battery Limit
BLD	Blind (Flange)
BLDG	Building
BLK	Block
BLPD	Barrels of Liquid Per Day
BLR	Boiler
BM	Bench Mark
BM	Beam
BMEP	Brake Mean Effective Pressure
BN	Bin
BOD	Biological Oxygen Demand
BOE	Bevel One End (Pipe Nipple)
BOE	Barrels of oil Equivalent

## Acronym & Abbreviation

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BOI	Bottom Of Insulation
BOM	Bill Of Materials
BOO	Build , Operation & Own
BOOT	Build , Operation , Own & Transfer
BOP	Bottom Of Pipe
BOP	Blow Out Preventer
BOQ	Bill Of Quantity
BOS	Bottom Of Steel
BOT	Build Operation & Transfer
BOT	Bottom
BP	Base Plate
BP	Boildig Point
BPD	Barrel Per Day
BR	Blender
BRG	Bearing
BRKT	Bracket
BS	Radio Base Station
BS	BRITISH STANDARD
BS&W	Basic Sediment And Water

## Acronym & Abbreviation

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BSFC	Brake Specific Fuel Consumption
BTDC	Before Top Dead Center
BTU	British Thermal Unit
BU	Back-Up (Flange)
BUT	Butane
BUT	British thermal unit
BW	Butt Weld
BZN	Benzene

# C

C	Construction
C	Construction And Installation
C	Compressor
C	Power Factor Correction Capacitor Bank
C TO C	Center To Center
C&T	Conveying & Treating
CA	Control Account
CA	Calculations
CA	Calender Roll
CAB	Cellulose Acetate-Butyrate
CAB	Cabinet
CAC	Criteria Air Contaminants
CAD	Computer Aided Design
CAES	Compressed Air Energy Strong
CALC	Calculate
CALCS	Calculations
CAM	Computer Aided Manufacturing
CAP	Control Account Plan

## Acronym & Abbreviation

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Cap	capacity
CAT	Catalyst
Cat	Catalog
CATI	Computer Assisted Telephone Interviewing
CAU	Caustic Soda
CB	Catch Basin
CBD	Continuous Blowdown
CBE	Commercial Bid Evaluation
CBU	Complrtly Built Unit
CC	Cost Control
CC	Cubic Centimeter
CCB	Change Control Board
CCR	Continuous Catalyst Regeneration
CCTV	Closed Circuit Television
CCW	Counter Clockwise
CDH	Closed Drain Header
CDL	Coustomer Document List

## Acronym & Abbreviation

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CDU/VDU	Crude And Vacuum Distillation Unit (Including Atmospheric And Vacuum Distillation, Desalter And Gasoline Stabilizer And Stabilizer And Splitter Sections)
CDU/VDU	Car Dumpier
CE	Civil Engineering
CE	Certificates
CE	Centrifuge
CEM	Cement
CERT	Certified Mail
CF OR CU3	Cubic Feet
CFE	Core-Flow Efficiency
CFM	Cubic Feet Per Minute
CFR	cost and fright
CFS	Cubic Feet Per Second
CGS	City Gas Station
CH	Chlorinator
CHEM	Chemical
CHG	Change
CHK	Check

## Acronym & Abbreviation

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CHL	Chlorine
CHM	Chemicals
CHU	Chute
CI	Cast Iron
CI	Civil Engineering(General) Including Architectural
CID	Cubic Inch Displacement
Cif	Cost, Insurance And Fright
CIP	Clean In Place
CIP	Carriage And Insurance Paid to
CIRC	Circle, Circulate, Circulation, Circumference
Ckd	Completely Knock Down
CL	Centerline
CL	Classifier
CL	Cleanliness Level
CLG	Ceiling
CLKG	Caulking
CLR	Clear, Clearance
CLW	Chlorinated Water
Cm	Construction Management

## Acronym & Abbreviation

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CM	Continous Mixer,Plastics
CMTR	Certified Mill Test Report
CMTR	Certified Matrial Test Report
CN	Change Notice
CN	Construction
CN	Crane
CNG	Compressed Natural Gas
CO	Coupling,Hydraulic Or Fluid
CO	Company
CO2	Carbon Dioxide
COC	Cold Condensate
COC	Cleveland Open Cup
COD	Chemical Oxygen Demand
COEF	Coefficient
COL	Column
COLL	Collector
COM	Comminutor
COM	Common
COMB	Combination, Combine



## Acronym & Abbreviation

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COMM	Communication
COMMON	Common Subjects(Or Related To All Units)
COMP	Complete
COMPR	Compressor
CONC	Concentric
CONC	Concrete
CONC. RED	Concentric Reducer
COND	Condenser, Condensate
CONN	Connection, Connect
CONST	Construction
CONT	Continue, Continuation
CONTR	Contractor
CONTR	Control
CONV	Conveyor
COP	Center Of Pipe
COQ	Cost Of Quality
CORP	Corporation
CORR	Corrugated
CP	Chlorinated Polyether

## Acronym & Abbreviation

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CP	Car Puller
CP	Chemical Oxygen Demand
CPF	Cost-Plus-Fee
CPFF	Cost-Plus-Fixed-Fee
CPI	Cost Performance Index
CPIF	Cost-Plus-Incentive-Fee
CPL	Control Panel
CPLG	Coupling
CPM	Critical Path Method
CPPC	Cost-Plus-Percentage of Cost
CPS	Concrete Pipe Sleeper
CPT	carriage paid to
CPVC	Chlorinated Poly (Vinyl Chloride)
CR	Crusher
CRD	Crude
CRG	Cracked Gas
CRT	Cloud Point
CS	Carbon Steel
CS	Compressor Station

## Acronym & Abbreviation

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CS	Cristallizer
CSL	Cold Slop
CSRV	Cathode Ray Tube
CSST	Convenntional Safety Relief Valve
CSW	Chemical Sewer
CT	Cooling Tower
CT	Current Transformer
CTC	Competition Transition Charge
CTR	Center
CU	Cubic
CU	Cutter
CU	Coeficient Of Utilization
Cv	Control Valves
CV	Cost Variance
CV	Conveyor,Mechanical Or Pneumatic
CV OR CONT. VA	Control Valve
CW	City Water, Cold Water
CW	Clockwise
CW	Cooling Water, Chilled Water

## Acronym & Abbreviation

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CWBS	Contract Work Breakdown Structure
CWP	Cold Working Pressure
CWR	Cooling Water Return
CWS	Cooling Water Supply
CWT	Cold-Water Temperature
CY	Cyclone And Hydrocyclone
CYL	Cylinder

## Acronym & Abbreviation

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# D

D	Drawing
D.M	Demineralized
DA	Deaerator
DAF	Dissolved Air Flotation
DAP	Diallyl Phthalate
DB	Design And Build
DB	Distributor
DBL	Double
DC	Document Center
DC	Dust Collector
DC	Dirrect Current Panel
DCC	Document Control Center
DCI	Document Control Index
DCN	Design Change Notice
DCR	Design Change Request
DCS	Distributed Control System
DD	Data Date

## Acronym & Abbreviation

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Ddp	Delivered Duty Paid
DDU	Delivered Duty Unpaid
DE	Diesel Engine
DE	Desalter
DEA	De Ethanol Amin
DEG	Degree
DEMIN. WATER	Demineralized Water
DEPT	Department
Deq	Delivered Ex Quay
Des	Delivered Ex Ship
DES	Design
DET	Detail
DGA	Di-Glycole Amine
DHW	Data High Way(Sectional Indication)
DIA	Diameter
DIAG	Diagonal
DIL	Dual Induction Log
DIM	Dimension
DIR	Direction

## Acronym & Abbreviation

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DISC	Disconnect, Discontinue
DISCH	Discharge
DIV	Divisio
DIW	Distilled Water
DKS	Decoking Steam
DLS	Dilution Steam
DME	Dimethyl Ether
DMR	Document Modification Request
DMW	Demineralized Water
DN	Diameter Nominal
DN	Down
DN	Nominal Diameter
DO	Drying Oven
DO	Dissolved Oxygen
DO	Division Order
DOC	Diesel Oxidation Catalyst
DOZ	Dozen
DP	Drilling Platform
DP	Damper

## Acronym & Abbreviation

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DP	Distribution Panel Board
DP	Ac/Dc Distribution Panel
DP	DRILLING PLATFORM
DPB	Distribution Panel Board
DPF	Diesel Particulate Filter
DPM	Diesel Particulate Matter
DPP	Peak-To-Peak Displacement
DR	Dryer
DR	Door
DR	Drain
DRL	Double Random Length
DS	Downspout
DS	Data Sheets
DS	Desuperheater
DSM	Demand-Side Management
DST	Drill-Stem Test
DU	Duration
DU	Drum Machinery
DUR	Duration



## Acronym & Abbreviation

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DV	Divertor Valve
DW	Drawings
DWA	Drinking Water
DWG	Drawing

# E

E	Engineering
E	Exchanger, Shell & Tube , Double Pipe , Plate , Coils , Air Cooled , Reboilers,Box Cooler , Cascade Cooler,Surface Condenser, Baromatic Condenser , Waste-Heat Boiler
EA	Each
EAC	Estimate At Completion
EC	Electrolytic Cell
EC	Elemental Carbon
ECA	Exhaust Center Angle/Centerline
ECC	Eccentric
ECC. RED	Eccentric Reducer
ECM	Electronic Control Moduel
ECTFE	Ethylene Chloro Tetra Fluoro Ethylene
ED	Eductor
EDI	Electronic Data Interchange
EE	Electrical Equipment
EER	Energy Efficientcy Ratio

## Acronym & Abbreviation

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EF	Early Finish Date
EF	Equalizing Feature
EFD	Engineering Flow Diagram
EFG	Edge-Defined Film-Fed Growth
EFT	Electronic Funds Transfer
EGM	Electronic Gas Measurement
EGR	Exhaust Gas Recirculation
EHD or EHI	Elastohydrodynamic Lubrication
EIA	Environmental Impact Assessment
EJ	Ejector
EL	Electrical Engineering
EL	Elevator, Passenger Or Freight
ELEC	Electric
ELEV	Elevation
ELL	Elbow
EM	Embossing Unit
EM	Electromagnet
EMF	Electromotive Force
EMS	Energy Management System

## Acronym & Abbreviation

---

EMS	Environmental Management Systems
EMV	Expected Monetary Value
EN	Engineering And Design
ENDORSE	Endorsement
ENGR	Engineer
EOL	Elbolet
EOP	End Of Pipe
EOR	Enhanced Oil Ratio
EP	Electrostatic Precipitator
EP	Emergency Panel
EP	Exchanger Panel
EP	End Point
EP	Extreme Pressure
EPC	Engineering&Procurement& Construction
EPCF	Engineering&Procurement & Construction&Finance
EPCI	Engineering&Procurement &Installation Construction&Installation
EPCM	Engineering&Procurement&Management Construction&Mangement
EPDM	Ethylene Propylene Diene Monomer
EPM	Ethylene Propylene

## Acronym & Abbreviation

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EPR	Ethylene Propylene
EPS	ENTERPRISE PROJECT STRUCTURE
Eq	Equation
EQ	Equal
EQUIP OR EQ	Equipment
ES	Early Start Date
ESC	Environmental Stress Cracking
ESD	Emergency Shut Down Panel
ESD	Emergency Shut-Down
ET	Electrical Traced
ET	Electrical Traced And Insulated
ETA	Ethane
ETA	Estimated Time Of Arrival
ETBE	Ethyl Tertiary Butyl Ether
ETC	Estimate To Complete
ETFE	Ethylene Tetrafluoroethylene
ETN	Ethylene
ETT	Electrical Traced With Heat Transfer Cement And Insulated

## Acronym & Abbreviation

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EV	Earned Value
EV	Evaporator
EVC	Exhaust Valve Closing
EVM	Earned Valued Management
EVT	Earned Valued Technique
EX	Extruder
EX	Automatic Telephone Exchanger
EX.P	Explosion Proof
EXC	Excavate
EXH	Exhaust
EXP	Expansion
EXP. JT	Expansion Joint
EXT	Exterior
Exw	Ex Work

## Acronym & Abbreviation

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# F

F	Fahrenheit
F	Filter
F TO F	Face To Face
F&D	Faced & Drilled
F/F	Face Of Flange
FAB	Fabricate
FAC	Final Acceptance Certificate
FAP	Fire Alarm Panels(Or Fire Alarm & Control Panel)
FAS	Free Alongside Ship
FAT	Filed(factory) Acceptance Test
FBL	fiata combined transport bill of lading
FBP	Final Boiling Point
FC	Flow Controlling
FC	Flotation Cell
Fca	Free Career
FCA	free carrier
FCAW	Flux-Cored Arc Welding
FD	Feed

## Acronym & Abbreviation

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FD	Floor Drain
FDCC	Field Document Control Center
FDI	Foreign Direct Investment
FDN	Foundation
FDS	Field Control System
FE	Flow Element
FE	Feeder
FEED	Front End Engineering
FEMA	Federation of Emergency Management Agency
FEP	Perfluoro (Ethylene-Propylene) Copolymer
FEP	Fluorinated Ethylene Propylene
FERC	Federal Energy Regulatory Commission
FF	Flat Face (Flange)
FF	Finish-to-Finish
FF	Free Float
FFI	Free Fluid Index
FFP	Firm-Fixed-Price
FFV	Felexible-Fuel Vehicles
FG	Foam Generator



## Acronym & Abbreviation

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FG	Flop Gate
FGO	Flushing Oil
FH	Telephone Hand-Set For Fire Alarm System
FHF	Full Hard Surface
FI	Flow Indicator
FIC	Flow Indicator Controller
FIN	Finish
FIN. FL	Finished Floor
FIN. GR	Finished Grade
FIX	Fixture
FK	Flakiers
FL	Fork Lift
FL	Flare(Normal)
FL	Floor
FLARE	Flare Unit(Including Distribution)
FLB	Float over launch barg
FLEX	Flexible
FLG	Fuel Gas
FLG	Flange

## Acronym & Abbreviation

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FLO	Fuel Oil
FMCS	field material control services
FMEA	Failure Mode And Effect Analysis
FN	Finance
FOB	Flat On Bottom (Eccentric Reducer)
FOB	Freight On Board
FOB	Free On Board
FOP	Fuel Oil Product
FOT	Flat On Top (Eccentric Reducer)
FOU/FGU	Fuel Oil And Fuel Gas Unit(Including Distribution) ( To Be Continued)
FP	flash point
FP	Proportional Limit Stress
FPIF	Fixed-Price-Incentive-Fee
FPM	Feet Per Minute
FPS	Feet Per Second
FPSO	Floating Production And System Offloader
FR	Flow Recorder
FR	Frame

## Acronym & Abbreviation

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FR	Fatality Rate
FRC	Flow Ratio Controlling
FRC	Flow Rate Control
FREQ	Frequency
FS	Far Side
FS	Finished Surface
FS	Forged Steel
FS	Fabrication Schedule
FS	Festoon,Calender Product
FS	Fire Loudspeaker
FS	Flushing Solvent
FS	Finish-to-Start
FSL	Fluid Seal
FSQ	Field Site Query
FST	Flare Stack
FSV	Fire Safety Valve
FT	Flow Transmitter
FT	Fire Telephone System
FT	Field Type

## Acronym & Abbreviation

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FTG	Fitting
FTG	Footing
FTL	Fluid Travel Log
FURN	Furnished
FWA	Fire Water
FWH	Fire Water Hydrants
FWM	Fire Water Monitors
FX	Telephone Exchange

## Acronym & Abbreviation

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# G

G	General (Standards Containing More/Than One Type
G	Generator,Electric
G	Generator
G.G	Gas Generator
GA	Gage Or Gauge
GALV	Galvanized
GAS	Gas
GB	Gear Box
GE	Gas Engine
GE	Gear,Reducer Or Increaser
GEN	General
GG	Gas Generator
GH	Gs Holder
GHS	Natural Gas With Hydrogen And Steam
GIP	Gas In Place
GL	Girt Line
GL	Ground Level
GM	General Machinerics

## Acronym & Abbreviation

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GMAW	Gas Metal Arc Welding
GN	General
GN	Granular,Nodulizer(Drum Or Pan)
GOR	Gas Oil Ratio
GOVT	Government
GPH	Gallons Per Hour
GPM	Gallons Per Minute
GR	Grinder
GR	Grounding Resistor
GR	Grade
GRL	Gamma-Ray Index
GRND	Ground
GRNDG	Grounding
GRTG	Grating
GSA	Geometric Surface Area
GSKT	Gasket
GSL	Gasoline
GSO	Gas Oil
GT	Gas Turbin

## Acronym & Abbreviation

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GTAB	Gasoline Treated As Blend Stock
GTAW	Gas Tungstaen Arc Welding
GTL	Gas To Liquid
GTL	Gas Transform To Liquid
GYP	Gypsum
GYP. BD	Gypsum Board
GZ	Grizzly

H

**H**

	Heater
HAZIP	Hazard Identifications
hazip review	hazard identifications review
HAZOP	Hazardous & Operability
hazop review	hazardous & operability review
HBC	Halon(Bcf)Cylinders
HBN	Halon(Bcf)Nozzles
HBP	Halon(Bcf)Control Panels
HBW	High Pressure Boiler Feed Water
HCB	Hydrocarbon
HCH	Hydrocarbon With Hydrogen
HCU	Hydrocracker Unit(Hc-Unibon)
HCW	Hot And Chilled Water
HD	Head
HDR	Header
HDW	Hardware
HEL	Helium
HEUI	Hydraulic/Electronic Unit Injector



## Acronym & Abbreviation

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HEX	Hexagon
HF	Hard Faced
HFC	Hard Faced Seats
HFCS	Hydrofluorocarbons
HFL	High Pressure Flare
HGT	Height
HH	Hand hold
HH	Hose House
HHP	Hydraulic Hors Power
HI	Hoist
HIB	Hydrophilic-Lippphilic Balance
HLB	Heavy lifting barg
HLC	Halon(1301)Cylinders
HLN	Halon(1301)Nozzles
HLP	Halon(1301)Control Panels
HM AND/OR	Heat And Mass Transfer Engineering
HNA	Heavy Naphta
HOR	Hot Oil Return

## Acronym & Abbreviation

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HOR. OR HORIZ	Horizontal
HOS	Hot Oil Supply
HP	Horsepower
HPC	High Pressure Condensate
HPP	High Point Paving
HPS	High Pressure Steam
HPS	High Pressure Sodium
HPU	Hydrogen Production Unit
HR	Handrail
HR	Hose Reel
HR	Hour
HRG	Hydrogen Rich Gas
HSE	Health Safety & Environment
HSL	Hot Slop
HSR	Heavy Straight Run Naphta
HT	Hydraulic Turbine
HTR	Heater
HV	Heating & Ventilating

## Acronym & Abbreviation

---

HVAC	Heating, Ventilation, Air Conditioning Cooling And Refrigeration
HVY	Heavy
HW	Hot Water
HWR	Hot Water Return
HWS	Hot Water Supply
HWT	Hot-Water Temperature
HYD	Hydrogen

# I

I	Periodical Inspection
IBBM	Iron Body-Bronze Mounted
ibc	international building code
IBD	Intermittent Blowdown
IC	Incombustibles
IC	Insulation Cold
ICC	international chamber of commerce
ICP	Initial Circulating Pressure
ID	Inside Diameter
ID	IDENTIFICATION
IDI	In-Direct Injection
IFA	Issued For Approval
IFB	Invitation For Bid
IFB	issue for bid
IFC	Issued For Construction
IFC-40%	Issue For Comments-A(Internal)
IFC-60%	Issue For Comments-0(For Client)
IFR	Issued For Review

## Acronym & Abbreviation

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IFT	Inter Facial Tension
IGAT	Iranian Gas Transfer
IGAT	IRANIAN GAS TRANSNSFER
IGTM	International Gas Turbin Meter
IH	Insulation Hot
IHR	Indoor Hose Reels
IMEP	Indicated Mean Effective Pressure
IN	Instrument
IN	Instrumentation Engineering
IN	Incinerator
IN	Inch
INCOTERMS	International Commercial Terms
INFO	Information
INO	Injection Oil
Inputs	Feeds,Utilities
INS	Insulation
INSTR	Instrument
INSUL	Insulation
INT	Interior

## Acronym & Abbreviation

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INT	Internal
INTERCONN	Interconnections
INV	Invert
IOEC	Iranian Offshore Engineering & Construction
IOOC	Iranian Oil & Offshore Co
IP	Institute of Petroleum
IP	Induced Polarization
IPI	Itemized Price Index
IPS	Iron Pipe Size
IPS	Iranian Petroleum Standard
IR	Inquiry Requisition
IR	Inspection Record
iri	industrial risk insurance
IRP	Integrated Resource Planning
IS	Insulation For Personnel Protection
IS	Instrument Power Supply
ISA	Instrument Air
isa	instrument society of america
ISNRS	Inside Screw-Nonrising Stem

## Acronym & Abbreviation

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ISO	Isometric
ISOICO	Iran Shipbulding & Offshore Industries Complex
IT	Intensifier
ITB	instruction to bidders
ITP	Inspection & Testing Plan
IVC	Intake Valve Closes

## J

JBE	Junction Box-Electronic
JBP	Junction Box-Power Supply
JBR	Junction Box Thermoresistance
JBT	Junction Box-Thermocouple
JBZ	Junction Box-Shut Down/Alarm
JP4	Jet Fuel(Jp-4)
JT	Joint
JTA	Jet A-1
JV	Joint Venture
JVC	Joint Venture Company

## K

KER	Kerosone
KI	Kiln
KM	Knowledge Management
KN	Kneader



## Acronym & Abbreviation

---

# L

LA	List Of Attachment
LA	Loading Arm
LAB	Laboratory
LAT	Lateral
LBO	Lubricating Oil
LC	Leter Of Credit
LC	Level Controlling
LC	letter of credit
LCA	Lobe Center Angle
LDC	Local Distribution Company
LDV	Light Duty Vehicle
LE	Let Off , Spool Unwinding
LEB	Large End Beveled (Swage)
LEL	Lower Flammable (Expelosive)Limit
LEP	Large End Plain (Swage)
LET	Large End Threaded (Swage)
LEV	Low Emission Vehicle
LF	Late Finish Date

## Acronym & Abbreviation

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LFI	Lower Flammable Limit
LFL	Low Pressure Flare
LG	Level Gage
LG	Long
LH	Left Hand
LIBOR	london interbank offered rate
LIFO	Last-In,First Out
llps	low low pressure steam
lltm	long lead term item
LLTM	long lead term item
LN	Line
LNC	Lean Nox Catalyst
LNG	Liquified Natural Gas
LNGC	Liquefied Natural-Gas Carrier
LO	Loader ; Bulk
LOC	Location
LOE	Level Of Effort
LOI	Letter Of Intent
LOL	Latrolet

## Acronym & Abbreviation

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LP	Low Point
LP	Low Pressure
LPC	Low Pressure Condensate
LPG	Liquid Petroleum Gas
LPG	Liquefied Petroleum Gas
LPG/CAU	Lpg Recovery And Caustic Dissolving Unit
LPG/LOAD	Lpg Tankage And Loading Unit
LPS	Low Pressure Steam
LQ	LIVING QUARTER
LRG	Liquid Refinery Gas
LRG	Liquefied Refinery Gases
LS	Lists(Lubricating Oil,Spare Parts,Etc)
LS	Late Start date
LT	Light
LTG	Lighting
LTX	Low Temperature Extraction
Lv	Low Voltage
LWDS	Longitudinally Welded Double Seam
LWI	Load-Waer Index

# M

M	Material And Equipment
M	Electric Motor
M	Monel Trim Cocks
MACH	Machine
MAINT	Maintenance
MASS PPM	Parts per million by mass, (mg/kg)
MATL	Material
MAX	Maximum
MB	Marshaling Box
MBW	Medium Pressure Boiler Feed Water
MC	Mass(Weight) Controlling
MC	Radio Multi Coupler
MC BOOK	Mechanical Completion Book
MCC	Motor Control Center
MCE	Multi Cable Electronic
MCI	Material Control Index
MCP	Multi Cable Power Supply
MCR	Multi Cable Thermoresistance

## Acronym & Abbreviation

---

MCR	Maximum Continuous Rating
MCT	Multi Cable Thermocouple
MCZ	Multi Cable: Shut Down/Alarm/Power Supply
MD	Metal Detector
MDEA	Methyl De Ethanol Amin
MDR	Master Document Register
ME	Fixed Mechanical Equipment
ME	Fixed Mechanical Equipment Engineering-Non Rotating Equipment Engineering
ME	Mechanical Equipment , Misc
MEA	Mono-Ethanol Amine
MEG	Mono Ethylen Glaicole
MEK	Methyl Ethyl Ketone
MER	Maximum Efficient Rate
MFG	Manufacturing
MFR	Manufacturer
MH	Manhole
MH	Sewer Manhole
MI	Malleable Iron

## Acronym & Abbreviation

---

MI	Mill
MIE	Minimum Lgnition Energy
MIV	Material Issue Voucher
MK	Mark
MMCFD	Million Cube Foot Per Day
MMDB	METHODOLOGY MANAGEMENT DATA BASE
MOP	Movable Oil Plot
Mou	Memorandum Of Understanding
MOV	Motoreized Valve
Mov	Motorized Operated Valves
MOV	Valve, Motorized
MP	Miscellaneous Platform
MPC	Medium Pressure Condensate
MPD	Maximum Pressure Differential
MPD	Multi product dispenser
MPP	Maximum Power Point
MPPT	Maximum Power Point Tracker
MPS	Medium Pressure Steam
MR	Material Requisition

## Acronym & Abbreviation

---

MRB	Marshaling Box
MRC	Material Request Contract
MRV	Material Return Votcher
MS	Magnetic Separator
MSL	Mean Sea Level
MT	Magnetic Test
MTBE	Methyl Tertiary Butyl Ether
MTD	Mounted
MTO	Material Take Off
MTR	Motor
MU	Manuals
Mv	Medium Voltage
MW	Molecular Weight, Weight Average
MX	Mixer, Solid, Liquid Or In-Line

## N

NACE	National Association Of Corrosion Engineering
NATL	National
NC	Normally Closed
ND	Nominal Diameter
NDT	Non Destructive Test
NEB	National Energy Board
NEC	National Electrical Code
NEG	Negative
NF	Natural Ferequency
NFPA	National Fire Protection Association
NG	Natural Gas
NGH	Natural Gas With Hydrogen
NGL	Natural Gas Liquified
NGV	Natural Gas Vehicle
NHT/CCR	Heavy Naphta Hydrotreater And Continuous Catalyst Regeneration Platformer Unit
NIDC	National Iranian Drilling Company
NIGC	National Iranian Gas Company



## Acronym & Abbreviation

---

NIOC	National Iranian Oil Company
NIOX	Nitrous Oxide
NIP	Nipple
NIPC	National Iranian Petroleum Co
NISOC	National Iranian South Oil Company
NIT	Nitrogen Unit
NLGI	Natural Lubricating Grease Industry
Nm <sup>3</sup>	Normal cubic meters, (at 101.325 kPa and 0°C conditions)
NMR	Nuclear Magnetic Resonance
NO	Normally Open
NO	Number
NOM	Nominal
NORM	Normal
NP	No Painting, No Insulation
NPC	National Petrochemical Co
NPS	Nominal Pipe Size
NPSH	Net Positive Suction Head
NPSH	Net Pressure Suction Head
NPSH	Net Positive Suction Head

## Acronym & Abbreviation

---

NPSHA	Net Positive Suction Head Available
NPSHR	Net Positive Suction Head Required
NPT	National Pipe Taper
NRS	Non-Rising Stem (Valve)
NS	Near Side
NSW	Non Oily Sewer
NTP	Notice To Proceed
NTS	Not To Scale

## Acronym & Abbreviation

---

# O

OA	Overall
OAL	Overall Length
OAPEC	Organization Of Arab Petroleum Exporting Countries
OBD	On-Board Diagnostics
OBM	Oil Based Mud
OBS	Organizational Breakdown Structure
OC	Oxygen Cutting
OCS	Outer Continental Shelf
OD	Original Duration
OD	Outside Diameter
ODS	Oxygen Depletion Safety
OEM	Original Equipment Manufacturer
OEOC	Oil Exploration Operation Company
OFA	Open Frontal Area
OFF	Office
OFF-SITE	Offsite Unit(Including Tankage,Blending And Product Transfer
OFGW	Oxyfuel Gas Welding

## Acronym & Abbreviation

---

OGP PROJECTS	Oil, Gas And Petrochemical Projects
OHR	Outdoor Hose Reels
OIA	Oil Insurance Association
OIEC	Oil Industries Engineering And Construction
OIP	Oil In Place
OPEC	Organization Of Petroleum Exporting Countries
OPI	Open Package Included
ORIG	Original
OS	Oil Skimmer
OS&Y	Outside Screw & Yoke (Valve)
OS&Y	Outside-Screw-And-Yoke
OSC	Oxygen Storage Capacity
OSW	Oily Sewer
OT	Others
OVHD	Overhead
OWA	Oily Water
OXY	Oxygen

## Acronym & Abbreviation

---

# P

P	Pump
P&ID	Piping & Instrument Diagram
P.M.I	Piping Material Inspection
PA	Public Address
PA	Palletizer
PA/ISA	Plant And Instrument Air Unit(Including Distribution)
PAC	Provisional Acceptance Certificate
PAC	Poly Anionic Cellulose
PADD	Petroleum Allocation For Defense District
PAR	Parallel
PART	Partial
PB	Polybutylene
PB	Pull Box
PBC	Pipe Box Culvert
PBE	Plain Both Ends (Pipe Nipple)
PC	Percent Complete
PC	Procurement & Construction
PC	Performance Curves

## Acronym & Abbreviation

---

PC	Pressure Controlling
PC	Intra Plant Communication System
PC	Percent Complete
PC	Pressure Control
PC	Piece
PCT	Percent Complete
PCV	Positive Crankcase Ventilation
PD	Pulsation Dampener
PDB	Panel Distribution Board
PDC	Pressure Differential Controlling
PDC	Pressure Differential Control
PDC	Perforation Depth Control
PDM	Precedence Diagramming Method
PE	Paging Equipment
PE	Plain End
PE	Plain End (Pipe Nipple)
PE	Polyethylene
PE	Project Engineering
PE	Pelletizer

## Acronym & Abbreviation

---

PED	Pedestal
PED	Pressure Equipment Directive 97/23/EC
PERF	Perforate
PERP	Perpendicular
PF	Planned Finish Date
PFA	Perfluoro (Alkoxyalkane) Copolymer
PFD	Process Flow Diagram
PGA	Purchased Gas Account
PGPS	Psig Gas Piping System
PH	Phase
PH	Relative Humidity
PHW	Phenol Water
PI	Piping And Pipelines
PI	Piping Engineering-General Mechanical And Interconnection Engineering
PL	Plate
PLA	Plant Air
PLB	Pipe Laying Barg
PLC	Program Logic Controller
PLTFRM	Platform

## Acronym & Abbreviation

---

PM	Process And Machineries
PM	Project Management
PM	Project Manager
PMBOK	Project Management Body Of Knowledge
PMDB	PROJECT MANAGEMENT DATA BASE
PMIS	Project Management Information System
PMO	Program Management Office
PMP	Project Management Professional
PMS	Project Measurement System
PN	Planning
PNA	Poly Nuclear Aromatic
PNL	Panel(For Dcs,Fcs Computer And Etc
PNL	Panel
PO	Purchase Order
PO	Ourchase Order
POE	Plain One End (Pipe Nipple)
POGC	PARS OIL & GAS CO
POL	Polish
POM	Polyacetal, Poly (Oxymethylene)



## Acronym & Abbreviation

---

POP	Poly (Phenylene Oxide)
POR	Purchase Order Request
POSFR	Product Optimization & Surface Facility Renovation
PP	Polypropylene
PP	Production Platform
PP	Polypropylene
PPE	Personal Protection Equipment
PPS	Poly (Phenylene Sulfide)
PQ	Procurement
PQR	Prequalification Record
PR	Pressure Rated
PR	Process And Chemical
PR	Procedurs
PR	Process & Chemical Engineering
PR	Precipitator;Solid Form Liquid
PRECOM	Precommissioning
PREFAB	Prefabricated
PRELIM	Preliminary
PREP	Preparation

## Acronym & Abbreviation

---

PRESS	Pressure
PROC	Procedure
PROC	Process
PROJ	Project
PRQ	Prequalification
PRV	Pressure Reducing Valve
PRV	Pressure Relief Valve
PRW	Process Water
PS	Planned Start Date
PS	Pipe Support
PSA	Pressure Swing Adsorption
PSEEZ	Pars Special Economic Energy Zone
PSI	Pounds Per Square Inch
PSIA	Pounds Per Square Inch Absolute
PSV	Pressure Safety Valve
PSWBS	Project Summary Work Breakdown Structure
PT	Penetration Test
PT	Potential Transformer
PT	Painting

## Acronym & Abbreviation

---

PT	Point
PT	Potential Transformer
PTFE	Polytetrafluoroethylene
PTR	Plant Thermal Reduction
PTS	Potential Transformers
PTW	Potable Water
PTW	Permit-To-Work
PU	Production Unit
PU	Pul Verizer
PV	Planned Value
PV	Pressure Vessel Engineering(Generally, Vessels Engineering)
PVC	Poly (Vinyl Chloride)
PVC	Poly Vinyl Chloride
PVDC	Poly (Vinylidene Chloride)
PVDF	Poly (Vinylidene Fluoride)
PVF	Poly Vinyl Fluoride
PVT	Pit Volume Totalizer
PWA	Plant Water

## Acronym & Abbreviation

---

PWHT                      Post Weld Heat Treatment

PWR                        Power

## Q

QA                         Quality Assurance

QC                         Quality Control

QHW                      Quench Water

QTY                        Quantity

## Acronym & Abbreviation

---

# R

R	Reflex
R	Reactor
R.O.W	Right Of Way
RA	Radiocommunication System
RAD. OR R	Radius
RAM	Responsibility Assignment Matrix
RBB	Round Bolted Bonnet (Valve)
RBS	Resource Breakdown Structure
RBS	Risk Breakdown Structure
RC	Reclaimer
RCP	Reinforced Concrete Pipe
RCT	Revision Cause Table
RD	Remaining Duration
RD	Roof Drain
RD	List Of Requested Document
RD	Radio Remote Desk Set
RD	Remaining Duration
RD	Road

## Acronym & Abbreviation

---

RD	Round
RE	Refrigeration Unit,Process
RE AND/OR PM	Rotating Equipment And/Or (Process Machineries) Engineering
REC	Recovery
RECVR	Receiver
RED	Reducer
REF	Reference
REINF	Reinforce
RELOC	Relocate
REQ	Requisition
REQD	Required
REV	Revise, Revised, Revision
RF	Raised Face
RF	Roof
RFB	request for bid
RFC	Released For Construction
RFI	Request For Information
RFO	Refinery Fuel Oil

## Acronym & Abbreviation

---

RFP	Request For Proposal
RFQ	Request for Quotation
RG	Rough Grade
RG	Rigging Equipment
RGH	Reformed Gas With Hydrogen
RH	Right Hand
RI	Royalty Interest
RJ	Ring Joint (Flange)
RJ	Reactor Jet
RK	Rotary Kiln
RLG	Railing
RM	Room
RMS	Root Mean Square (Roughness Height)
ROP	Rate Of Penetration
ROS	receive on site
RP	Recommended Practice
RPM	Reinforced Plastic Mortar
RPM	Revolutions Per Minute
RR	Railroad

## Acronym & Abbreviation

---

RSR	Riser
RT	Radiography Test
RT	Right
RTD	Resistant Thermal Detector
RTE	Rotary Table Elevation
RTJ	Ring Type Joint
RTR	Reinforced Thermosetting Resin
RU	Ring Main Units
RV	Valve, Rotary
RV	Relief Valve
RVP	Reid Vapor Pressure
RVP	Vapor Pressure-Reid
RWA	Raw Water



## Acronym & Abbreviation

---

# S

S	Stack, Chimney
SA	Sampler
SAE	Society Of Outomotive Engineers
SAT	Site Acceptane Test
SAW	Submerged Arc Welding
SB	Scum Breaker
SC	Subcontracts
SC	Speed Controlling
SC	Scale,Weghing Or Measuring
SCH	Schedule
SCR	Scraper
SCR	Screw
SCRD	Screwed
SCSSV	Surface Controlled Subsurface Safety Valves
SCV	Screw Conveyor
SD	Storm Drain
SD	Standard Drawings
SDR	Standard Dimensional Ratio

## Acronym & Abbreviation

---

SE	Separator, Atmospheric
SEB	Small End Beveled (Swage)
SEC	Second
SECT	Section
SEP	Small End Plain (Swage)
SET	Small End Threaded (Swage)
SF	Scheduled Finish Date
SF	Safety, Fire Fighting And Environmental Pollution Control
SF	Safety, Fire Fighting & Environmental Control Engineering
SF	Start-to-Finish
SFA	Service-Factor Amperes
SG	Specific Gravity
SG	Slide Gate
SG	Valve, Slide (See Gate, Slide)
SH	Sewing Pedestal, Bag
SHT	Sheet
SI	System International
SI	Muffler (See Silencer)
SI	Silencer, Muffler

## Acronym & Abbreviation

---

SIBHP	Shut-In Bottomhole Pressure
SIBPT	Shut-In Bottomhole Pressure Test
SIC	Standard Industrial Classification
SICP	Shut In Casing Pressure
SIDPP	Shut-In Drill Pipe Pressure
SIP	Steam In Place
SJ	Solder Joint
SJ	Steam Jacketed And Insulated
SK	Scrubber
SK	Sketch
SKD	Semi Knock Down
SL	Stiles
SLO	Seal Oil
Sm <sup>3</sup> /d	Standard cubic meters per day (at 101.325 kPa and 15°C conditions)
SMAW	Submerged Arc Welding
SNG	Substitute Natural Gas
SO	Slip-On (Flange)
SOM	start of manufacturing
SOW	Statement Of Work

## Acronym & Abbreviation

---

SP	Specification
SP	Scum Pipe
SP	Splicing Press, Calendering Line
SP	Self-Potential
SPA	Sodium Polyacrylate
SPEC	Specification
SPI	Scheduled Performance Index
SPI	SCHEDULE PERFORMANCE INDEX
SPI	Secondary Porosity Index
SQ	Square
SR	Screen
SRU/SSU	Sulphur Recovery And Sulphur Solidification Unit
SS	Stainless Steel
SS	Steel Structure
SS	Scheduled Start date
SS	Scheduled Start Date
SS	Start-To-Start
SSCSV	Subsurface Controlled Subsurface Safety Valves
SSF	Second Saybolt Furol

## Acronym & Abbreviation

---

SSSV OR 3SV	Sub Surface Safety Valve
SSV	Sub Sea Valve
SSV OR 2SV	Surface Safety Valve
SSW	Sanitary Sewer
ST	Steam Turbin
ST	Steam Traced
ST	Structural Engineering
ST	Stacker
ST	Steam Traced And Insulated
ST	Street
STA	Station, Stationary
STD	Standard
STD. WT	Standard Weight (Pipe Schedule)
STG	Storage
STL	Steel
STM/PWG S	Steam And Power Generation Unit (Including Steam And Power Generation And Distribution, Demineralized Boiler Feed Water System , Main Power Feeders, All Substation Equipment)

## Acronym & Abbreviation

---

STP	Steam Trap
STR	Structure
STR	Strainer
STR	Straight
STRUC	Structure
STS	Steam Traced With Spacers And Insulated
STT	Steam Traced With Heat Transfer Cement And Insulated
SU	Sump
SUB	Subcontractor
SUCT	Suction
SUPT	Superintendent
SUS OR SSU	Saybolt,Saybolt Universal Seconds
SV	Schedule Variance
SW	Socketweld (Flange Or Fitting)
SW	Switchgear 6Kv,10Kv,20Kv
SWA	Sour Water
SWAG	Sophisticated Wild Ass Guess
SWC TEST	Surge Withstand Caopability

## Acronym & Abbreviation

---

SWD	Salt Water Disposal Well
SWIFT	Society For Worldwide Interbank Financial Telecommunication
SWOT	Strenths, Weaknees, Oppurtunities, And Threads
SWP	Steam Working Pressure
SWR	Sewer
SYM	Symetrical
SYS	System

# T

T	Transparent
T	Turbine
T & C	Theaded And Coupled
T&M	Time and Material
T/D	Turn Down
TAN	Tangent
TAN	Total Acid Number
TB	Trace Body And Insulate
TB	Telephon Terminal Board
TB	Paging Terminal Board
TBA	Technical Bid Acceptance
TBB	Trace Body And Bonnet And Insulate
TBE	Thread Both Ends (Pipe Nipple)
TBE	Technical Bid Evaluation
TBN	Total Base Number
TC	Telecommunications
TC	Telecommunication Engineering
TC	Temprature Differential Controlling



## Acronym & Abbreviation

---

TC	Target Completion date
TC	Temprature Control
TC	Total Carbon
TDC	Temprature Differencial Controlling
TDC	Top Dead Center
TDS	Total Dissolved Solids
TECH	Technical
TEG	Triethylene Glycol
TEL	Tetra Ethyl Lead
TEL	Telephone
TEMA	TUBULAR EXCHANGER MFRS. ASSN. STANDARD
TEMP	Temperature
TERM	Termination
TEX	Turbo Expander
TF	Target Finish Date
TF	Total Float
TFL	Through-The-Flow-Line
TH	Thickener
TH	Telephone Hand-Set (Outdoor Use)

## Acronym & Abbreviation

---

THD	Total Harmonic Distortion
THK	Thick
TI	Thermal Indicator
TK	Hopper(See Tank)
TK	Silo,(See Tank)
TK	Tank; Api, Silo, Hopper
TK	Tank
TL	Telephone System
TLV	Threshold Limit Valve
TOC	Top Of Concrete
TOE	Thread One End (Pipe Nipple)
TOF	TOP OF FOUNDATION
TOL	Threadolet
TOL	Toluene
TOP	TOP OF PIPE
TOS	Top Of Slab
TOS	Top Of Steel
TOT	Total
TP	Technical Protection

## Acronym & Abbreviation

---

TPA	Third Party
TPM	Total Particulate Matter
TQ	Technical Query
TQM	Total Quality Management
TR	Tripper
TRANS	Transformer
TRSV	Tubing Rtreevable Safety Valves
TRV	Thermo-Regulating Valve
TS	Tube Steel
TS	Target Start date
TSC	Thermal Strees Cracking
TT	Turntable
TTR	Ammonia Semi Tank Trailer
TURB	Turbulent
TWA	Treated Water
TWR	Tempered Water Return
TWR	Tower
TX	Transformer
TYP	Typical

# U

UBC	Uniform Building Code
UCP	Uniform Customs and Practice
UEG	Utility Electric Generation
UEL	Upper Explosive Limit
UFD	Utility Flow Diagram
UG	Under Ground
UL	Unloader, Bulk
ULCC	Ultralarge Crude Carrier
UOP	Univesal Oil Product
UPS	Uninterruptible Power Supply System
URC	uniform roles for collections
UT	Ultrasonic Test
UTA	Utility Air
UTIL	Utility
UW	Underground Wrapping

## Acronym & Abbreviation

---

# V

V	Coalecer Vessel Type
V	Vessel, Pressure (Column, Accumulator, K.O. Drum Sphere, Bullet)
VA	Valve
VAC	Vacuum
VAR	Variable Or Variation
VB	Vibrator
VBU	Visbreaker Unit(Visbreaker Including Tempered Water System)
VC	Vitrified Clay
VE	Value Engineering
VERT	Vertical
VIF	Variation Identification Forms
VII	Viscosity Index Improver
VLCC	Very Large Crude Carrier
VO	Variation Order
VOC	Open -Circuit Voltage
VOL	Volume

## Acronym & Abbreviation

---

VOP Variation Order Proposal

VTR Vent Through Roof

## W

W With

W/E With Equipment

W/O Without

WA Washer

WAT Water

WBS Work Breakdown Structure

WC Water Column Or Water Closet

WHP Well Head Platform

WHSE Warehouse

WI Winch

WL Water Line

WLR Wireline Retrievable Safety Valves

WN Weldneck (Flange)

WOG Water, Oil & Gas (Working Pressure)

WOL Weldolet

## Acronym & Abbreviation

---

WOR	Water Oil Ratio
WP	Weather Proof
WP	Working Point Or Working Pressure
Wpa	Work Progress Aproval
Wpm	Work Progress Measurement
WPS	Welding Procedure Specification
WS	Welding Specification
WS	Water Softener Unit
WT	Weight
WTR	Water System Unit (Water System Including Cooling Water,Plant Water,Potable Water And Fire Water System And Distribution)
WU	Wind-Up, Spool Mechanism
WWT	Waste Water Treatment Unit(Including Waste Water Treatment , Evaporation Pond , Sewage Treatment And Disposal)
<b>X</b>	
XH	Extra Heavy (Pipe Schedule)
XXH	Double Extra Heavy (Pipe Schedule)

منابع

1. فهارس بهای وزارت نفت
2. تجربیات فنی در پروژه های نفت و گاز و پتروشیمی
3. استاندارد وزارت نفت ایران IPS