

PMML

Preferred Manufacturers List



PML Products and Categories



Become a QatarEnergy Preferred Manufacturer

QatarEnergy's Project Engineering and Procurement Services Directorate persistently seek new sources of materials, equipment, system and packages for its capital projects.

We pride ourselves on the knowledge, skill, experience, and customer commitment our manufacturers and contractors bring to every project. We seek professional organizations that can meet these parameters and grow their competence jointly with us on increasingly challenging projects. We strive to give fair and equal treatment to all, ensuring a level field of competition and adhering to the highest ethical standards in the industry.

To meet our needs as described above, we look for manufacturers who have an interest to provide the products listed in this booklet.

If your product falls within this list, you may register with us as per the instructions available on QatarEnergy official website by filling the PML Registration Form and email it to qpml@qp.com.qa along with all necessary documentation listed in the form.

Contact us

If you have questions or need more information, you can email us at: qpml@qp.com.qa

1.0 - MECHANICAL MATERIALS

Product Code Product Name

1.01 - Equipment Packages

1.01.01	Hydrocyclone Package
1.01.02	Chlorination Package
1.01.03	Desalination Package
1.01.04	Water Maker (Vapor Compression)
1.01.05	Glycol Dehydration Package
1.01.06	Filter Separator / Coalescer
1.01.07	Process Filter
1.01.08	Fired Heater
1.01.09	Hot Oil Units
1.01.10	Burners
1.01.11	Electro-chlorination Units
1.01.12	Flare Package
1.01.13	Sewage Treatment
1.01.14	Instrument Air Dryer
1.01.15	Steam Desuperheater
1.01.16	Deaerator - Boiler Water (Ion Exchange-Type)
1.01.17	Produced Water Treatment Package
1.01.18	Boiler
1.01.19	DM Water Package

1.02 - Vessels

1.02.01	Pressure Vessel and Column (≤ 75 mm thickness, CS & SS including Slug Catcher)
1.02.02	Pressure Vessel and Column (≤ 75 mm thickness, other CRA (Solid & Cladded) including Slug Catcher)
1.02.03	Pressure Vessel and Column (> 75 mm thickness, all materials & equipment)
1.02.04	Heat Exchanger (Shell and Tube)
1.02.05	Heat Exchanger (Brazed Aluminum)
1.02.06	Heat Exchanger (Air-Cooled/Air Fin Cooled)
1.02.07	Heat Exchanger (Plate & Frame, Printed Circuit, Welded Plate type)
1.02.08	Separator (3-phase including Process design & Internals)

1.0 - MECHANICAL MATERIALS

Product Code Product Name

1.03 - Air Coolers

1.03.01 Wet Air Coolers (Cooling Towers)

1.04 - Vessel mounted equipment

1.04.01 Vessel Closure (Quick Opening Closure for Vessel)

1.04.02 Tank Gauge Hatch (Emergency Relief M/H Cover)

1.04.03 Tank Strapping/calibration

1.04.04 Tank Flame Arrestor

1.05 - Tanks

1.05.01 Fixed Roof Storage Tank Dia < 25 m

1.05.02 Fixed Roof Storage Tank Dia >25 m

1.05.03 Floating Roof Storage Tank

1.06 - Tank Appurtenance

1.06.01 Floating Roof Tank Roof Seal

1.06.02 Floating Roof Tank Roof Drain

1.06.03 Internal Floating Cover for IFR Tank

1.06.04 Geodesic Dome IFR Tank Roof (Aluminium)

1.07 - Vessel & Tank Plate

1.07.01 Pressure Vessel and Tank Plate

1.08 - Column Internals (Tray / Packings)

1.08.01 Column Internals (Tray / Packings)

1.09 - Incinerator Package

1.09.01 Incinerator Package

1.10 - Static Mixers

1.10.01 Static Mixer

1.11 - Effluent Water Treatment Package

1.11.01 Effluent/Oily Water Treatment Packages

1.0 - MECHANICAL MATERIALS

Product Code Product Name

1.12 - Loading Arms

- 1.12.01 Marine (Loading Arms)
- 1.12.02 Truck (Loading Arms)

1.13 - Crane

- 1.13.01 Overhead Crane
- 1.13.02 Pedestal Crane
- 1.13.03 Goliath / Gantry / Jib Crane
- 1.13.04 Mobile Crane

1.14 - Hoist

- 1.14.01 Manual / Pneumatic Industrial Hoist
- 1.14.02 Electric Industrial Hoist

1.15 - Forklift

- 1.15.01 Hydraulic Forklift Truck

1.16 - Tank Vent / Pressure Vacuum

- 1.16.01 Tank Vent / Pressure Vacuum Valve

1.17 - Cathodic Protection System

- 1.17.01 Cathodic Protection
- 1.17.02 Anode - Sacrificial, Marine

1.18 - Air Filter

- 1.18.01 Air Filter

2.0 - PIPING MATERIALS

Product Code Product Name

2.01 - Valves

2.01.01	Gate Valves - CS & LAS ($\leq 300\text{NB}$, $\leq 300\#$)
2.01.02	Gate Valves - CRA (SS, DSS, SDSS, etc.)
2.01.03	Gate Valves - CS & LAS ($> 300\text{NB}$, $> 300\#$)
2.01.04	Globe Valves - CS & LAS ($\leq 100\text{NB}$, $\leq 300\#$)
2.01.05	Globe Valves - CRA (SS, DSS, SDSS, etc.)
2.01.06	Globe Valves - CS & LAS ($>100\text{NB}$, $> 300\#$)
2.01.07	Butterfly Valves - Centreline ($\leq 600\text{NB}$)
2.01.08	Butterfly Valves - Centreline ($>600\text{NB}$)
2.01.09	Butterfly Valves - Double Offset ($\leq 600\text{NB}$)
2.01.10	Butterfly Valves - Double Offset ($>600\text{NB}$)
2.01.11	Butterfly Valves - Triple Offset
2.01.12	Ball Valves - CS & LAS ($\leq 300\text{NB}$, $\leq 300\#$)
2.01.13	Ball Valves - CRA (SS, DSS, SDSS, etc.), $\leq 300\#$
2.01.14	Ball Valves - CRA (SS, DSS, SDSS, etc.), $> 300\#$
2.01.15	Ball Valves - CS & LAS ($> 300\text{NB}$, $> 300\#$)
2.01.16	Check Valves - CS & LAS
2.01.17	Check Valves - CRA (SS, DSS, SDSS, etc.)
2.01.18	Plug Valves
2.01.19	Through-Conduit Valves
2.01.20	Integral Block-and-Bleed valves and Monoflange for Fittings
2.01.21	Choke Valve
2.01.22	Safety/Relief Valves
2.01.23	Breather Valves
2.01.24	Rupture Disc
2.01.25	Ni-Ni Alloys Valves including Incolys (All types & sizes)
2.01.26	Cu-Cu Alloys Valves (All types & sizes)

2.02 - Valve Interlocks (Mechanical)

2.02.01	Valve Interlocks
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2.03 - Pipes & Fittings (Ni-Ni Alloys)

2.0 - PIPING MATERIALS

Product Code Product Name

2.03.01 Ni-Ni Alloys: Pipes, Tubes, Fittings & Flanges (All Sizes)

2.04 - Pipes & Fittings (Cu-Cu Alloys)

2.04.01 Cu-Cu Alloys: Pipes, Tubes, Fittings & Flanges (All Sizes)

2.05 - Corrosion Coupons & Probes

2.05.01 Corrosion Coupons & Probes

2.06 - Piping & Tubing

2.06.01 Pipes & Tubes (Seamless/Welded) CS/LAS

2.06.02 Pipes & Tubes (Seamless/Welded) CRA (SS/DSS/SDSS, etc.)

2.07 - Pipe Fittings

2.07.01 Pipe Fittings - CS/LAS (All sizes)

2.07.02 Pipe Fittings - CRA (SS/DSS/SDSS, etc. - All sizes)

2.08 - Forged Flanges, Flanged Fittings & Reinforced Branch Connections

2.08.01 Forged Flanges, Flanged Fittings & Reinforced Branch Connections - CS/LAS

2.08.02 Forged Flanges, Flanged Fittings & Reinforced Branch Connections - CRA (SS/DSS/SDSS, etc.)

2.09 - Non-metallic Pipes and Fittings

2.09.01 GRE Piping

2.09.02 HDPE Pipes, Flanges and Fittings

2.10 - Steam Traps & Strainer

2.10.01 Steam Traps

2.10.02 Strainer

2.11 - Steam Eductor /Ejectors

2.11.01 Steam Eductor / Ejectors

2.12 - Gaskets & Packing

2.12.01 Gaskets / Packings

2.0 - PIPING MATERIALS

Product Code Product Name

2.13 - Insulation Gaskets - GRE

2.13.01 Insulation Gasket Set

2.14 - Spring Hangers and Pipe Supports

2.14.01 Spring Hangers and Pipe Supports

2.15 - Expansion Joints

2.15.01 Expansion Joints

2.16 - Stud, Bolts and Nuts

2.16.01 Stud Bolts and Nuts

2.17 - Spectacle Blinds/ Paddle & Spacer

2.17.01 Spectacle Blinds/ Paddle & Spacer

2.18 - Thermal Insulation (Process Piping)

2.18.01 Thermal Insulation

2.19 - Fittings- Chemical Injection

2.19.01 Fittings- Chemical Injection

3.0 - INSTRUMENT MATERIALS

Product Code Product Name

3.01 - Manual Call Point

3.01.01 Manual Call Point

3.02 - Limit Switch

3.02.01 Limit Switch

3.03 - Pig Signalers

3.03.01 Pig Signalers

3.04 - Terminal -Wiring

3.04.01 Terminals

3.05 - Detector - High-Sensitivity, Smoke (HSSD)

3.05.01 HSSD

3.06 - Smoke & Heat Detectors

3.06.01 Smoke & Heat Detectors

3.07 - Fusible Plugs

3.07.01 Fusible Plugs

3.08 - Cable Ladder & Tray

3.08.01 Cable Ladder & Tray

3.09 - Junction Box (FF) with Field Barrier

3.09.01 Junction Box (FF) with Field Barrier

3.10 - Pressure & DP Transmitters

3.10.01 Pressure & DP Transmitters

3.11 - Pressure Transmitter & DP Transmitters FF

3.11.01 Pressure Transmitter & DP Transmitters FF

3.12 - Pressure & DP Gauges

3.12.01 Pressure & DP Gauges

3.0 - INSTRUMENT MATERIALS

Product Code Product Name

3.13 - Pressure Switches (Electric)

3.13.01 Pressure Switches (Electric)

3.14 - Pressure Pilots (Block & Bleed)

3.14.01 Pressure Pilots (Block & Bleed)

3.15 - Pressure Regulator

3.15.01 Pressure Regulator

3.16 - Orifice Plate

3.16.01 Orifice Plate

3.17 - Meters

3.17.01 Mass Flow Meter - Coriolis
3.17.02 Vortex Flow Meter
3.17.03 Magnetic Flow Meter
3.17.04 Ultrasonic Flow Meter
3.17.05 Turbine Flow Meter
3.17.06 Pitot Tube - Flow, Averaging
3.17.07 Thermal Mass Flow Meter
3.17.08 Positive Displacement (PD) Flow Meter
3.17.09 Multiphase Flow Meter
3.17.10 Variable Area Flow Meter (Rotameter)

3.18 - Metering (Custody or Fiscal Transfer) Package with Prover

3.18.01 Metering (Custody or Fiscal Transfer) Package with Prover

3.19 - Flow Switch

3.19.01 Flow Switch

3.20 - Meter Provers

3.20.01 Meter Provers

3.0 - INSTRUMENT MATERIALS

Product Code Product Name

3.21 - Temperature Transmitter (SMART Electronic Type)

3.21.01 Temperature Transmitter (SMART Electronic Type)

3.22 - Temperature Transmitters (FF)

3.22.01 Temperature Transmitters (FF)

3.23 - Temperature Gauge

3.23.01 Temperature Gauge

3.24 - Thermowell

3.24.01 Thermowell

3.25 - Temperature Elements (RTD, T/C)

3.25.01 Temperature Elements (RTD, T/C)

3.26 - Temperature Switch

3.26.01 Temperature Switch

3.27 - Level Switch (Float Type)

3.27.01 Level Switch (Float Type)

3.28 - Level Gauge (Magnetic)

3.28.01 Level Gauge (Magnetic)

3.29 - Level Gauge Glasses & Cocks

3.29.01 Level Gauge Glasses & Cocks

3.30 - Level Transmitter (Displacer Type)

3.30.01 Level Transmitter (Displacer Type)

3.31 - Tank Gauging System

3.31.01 Tank Gauging System

3.32 - Level Radar Level Transmitter

3.32.01 Level Radar Level Transmitter

3.0 - INSTRUMENT MATERIALS

Product Code Product Name

3.33 - Ultrasonic Level Transmitter

3.33.01 Ultrasonic Level Transmitter

3.34 - Capacitance Type Level Transmitter

3.34.01 Capacitance Type Level Transmitter

3.35 - Distributed Control System

3.35.01 Distributed Control System

3.36 - Programmable Logic Controller (PLC)

3.36.01 Programmable Logic Controller (PLC)

3.37 - Telemetry System

3.37.01 Telemetry System

3.38 - Safety (ESD / F&G) System

3.38.01 Safety (ESD / F&G) System

3.39 - Analyzer Packages (all inclusive)

3.39.01 Analysers - Chromatograph
3.39.02 Analysers - Oxygen
3.39.03 Analysers - Ph
3.39.04 Analysers - Moisture
3.39.05 Analysers - Density
3.39.06 Analysers - Chlorine
3.39.07 Analysers - Conductivity
3.39.08 Analysers - Water in Oil
3.39.09 Basic Sediment and Water (BS&W)
3.39.10 Analysers - Oil-In-Water
3.39.11 Analysers - Turbidity
3.39.12 Analysers - Water Quality
3.39.13 Analysers - Emission Gas
3.39.14 Analysers - Air Quality

3.0 - INSTRUMENT MATERIALS

Product Code Product Name

3.39.15	Analysers - Weather & Climate
3.39.16	Analysers - Hydrogen
3.39.17	Analysers - Radiation

3.40 - Valve

3.40.01	Control Valve - (Gate/Globe Valve)
3.40.02	Control Valve - (Ball Valve)
3.40.03	Control Valve - (Butterfly Valve)
3.40.04	Control Valve - (Choke Valves)
3.40.05	Valve - Shutdown
3.40.06	Solenoid Valves
3.40.07	Process anti Surge Valves

3.41 - F &G Systems

3.41.01	Fire, Safety, Environ / Detectors & Controls
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3.42 - Burner Management System

3.42.01	Flame Monitor & Burner Management
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3.43 - Purge Control System

3.43.01	Purge Control System (Eex 'P')
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3.44 - Anti-Surge Control System -Compressor

3.44.01	Anti-Surge Control
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3.45 - Vibration Monitoring

3.45.01	Vibration Monitoring
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3.46 - Valve Actuator

3.46.01	Pneumatic - Emergency Shutdown (ESD) / Blowdown
3.46.02	Hydraulic - Emergency Shutdown (ESD) / Blowdown

3.47 - Single Loop Controller

3.47.01	Single Loop Controller
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3.0 - INSTRUMENT MATERIALS

Product Code Product Name

3.48 - Strip Chart Recorder

3.48.01 Strip Chart Recorder

3.49 - Annunciator

3.49.01 Annunciator

3.50 - Recorder

3.50.01 Recorder

3.51 - Electrmagnetic Relays

3.51.01 Electromagnetic Relays

3.52 - Electro-Pneumatic Positioner & I/P Transducers

3.52.01 Electro-Pneumatic Positioner & I/P Transducers

3.53 - Valve Positioners (Ff)

3.53.01 Valve Positioners (Ff)

3.54 - Junction Boxes/Pushbuttons and Switches

3.54.01 Junction Boxes/Pushbuttons And Switches

3.55 - Instrument Enclosure

3.55.01 Instrument Enclosure

3.56 - Control & Marshalling Panels

3.56.01 Control & Marshalling Panels

3.57 - Cables & Wires

3.57.01 Cables & Wires

3.58 - Tubing

3.58.01 Tubing

3.59 - Field Inst-Control

3.59.01 Field Inst-Control

3.0 - INSTRUMENT MATERIALS

Product Code Product Name

3.60 - Cable Gland

3.60.01 Cable Glands

3.61 - Manifold - Instrument Valve

3.61.01 Instrument Valves, Manifolds

3.62 - Air Filter Regulator

3.62.01 Air Filter Regulator

3.63 - Tubing Fittings

3.63.01 Tubing Fittings

3.64 - Interface Devices / Barriers

3.64.01 Interface Devices / Barriers

3.65 - Noise Measurement Equipment

3.65.01 Noise Measurement Equipment

3.66 - Detector-Flame

3.66.01 Detector-Flame

3.67 - Gas Detectors

3.67.01 Gas Detectors

3.68 - Beacon / Horn

3.68.01 Beacon / Horn

3.69 - Trip Amplifier

3.69.01 Trip Amplifier

3.70 - High-Integrity Pressure Protection System Using Axial, Fast- Acting Valves

3.70.01 High-Integrity Pressure Protection System Using Axial, Fast- Acting Valves

3.71 - Wellhead Control Panel

3.0 - INSTRUMENT MATERIALS

Product Code Product Name

3.71.01 Wellhead Control Panel

3.72 - Flow Computers

3.72.01 Flow Computers

4.0 - SAFETY & SURVIVAL EQUIPMENT

Product Code Product Name

4.01 - Foam Concentrate

4.01.01 Foam Concentrate

4.02 - Foam Monitor

4.02.01 Foam Monitor

4.03 - Foam Proportioner

4.03.01 Foam Proportioner

4.04 - Foam Pourer - Tech HSE (includes tank to, rim seal, dyke/bund, foam generators, etc)

4.04.01 Foam Pourer

4.05 - Fire Extinguisher (includes all trolley mounted and all types portable extinguishers) - Tech HSE

4.05.01 Fire Extinguisher (with QCD Approval)

4.06 - Life Jacket

4.06.01 Life Jacket (with SOLAS Approval)

4.07 - Stretcher

4.07.01 Stretcher

4.08 - Life Buoy

4.08.01 Life Buoy (with SOLAS Approval)

4.09 - Fire Safety Equipment

4.09.01 Fire Safety Equipment

4.10 - Life Raft

4.10.01 Life Raft (with SOLAS Approval)

4.11 - Survival Craft/ Escape Capsule

4.11.01 Freefall TEMP SC

4.11.02 Davit Launched TEMP SC

4.0 - SAFETY & SURVIVAL EQUIPMENT

Product Code Product Name

4.12 - Oil Spill Containment System

4.12.01 Oil Spill Containment System

4.13 - Foam Branch Nozzle

4.13.01 Foam Branch Nozzle

4.14 - Fire Hydrant

4.14.01 Fire Hydrant

4.15 - Fire Suppression

4.15.01 Gaseous Extinguishant Systems

4.15.02 Water Mist Systems

4.16 - Deluge System-Skid Mounted

4.16.01 Deluge System-Skid Mounted

4.17 - Sprinkler System

4.17.01 Sprinkler System

4.18 - Breathing Apparatus / Sets

4.18.01 Breathing Apparatus / Sets (with QCD Approval)

4.19 - Passive Fire Protection

4.19.01 Passive Fire Protection Coatings

4.19.02 Fire Jackets for Valves

4.20 - Firewater Tanks

4.20.01 Firewater Tanks

4.21 - Helideck DIFFS

4.21.01 Helideck DIFFS

5.0 - TELECOMMUNICATION EQUIPMENT

Product Code Product Name

5.01 - Fibre Optic Cables & Accessories

- 5.01.01 Fibre Optic Cables
- 5.01.02 Fibre Optic Cables - Subsea
- 5.01.03 Fibre splice boxes / Enclosures

5.02 - Media Converters / Industrial Switches

- 5.02.01 Media Converters / Industrial Switches

5.03 - Optical / Fibre Transmission Systems - DWDM / SDH / OTN

- 5.03.01 Optical / Fibre Transmission Systems

5.04 - Telecom Cabinet / Racks

- 5.04.01 Telecom Cabinet / Racks

5.05 - Radio Equipment

- 5.05.01 Voice Communication Control System / Integrated Communication Control Systems / Radio Management System
- 5.05.02 Marine VHF
- 5.05.03 Aeronautical VHF
- 5.05.04 UHF (DMR / PMR)
- 5.05.05 HF / SSB
- 5.05.06 Hand Portable Radios
- 5.05.07 Automatic Identification Systems (AIS)
- 5.05.08 Non Directional Radio Beacons
- 5.05.09 Microwave Radio
- 5.05.10 Microwave Antenna

5.06 - Meteorological / Weather Monitoring System

- 5.06.01 Meteorological / Weather Monitoring System

5.07 - Emergency communication Equipment

- 5.07.01 Public Address / General Alarm Systems
- 5.07.02 PA/GA- Loud speakers
- 5.07.03 PA/GA - Beacons

5.0 - TELECOMMUNICATION EQUIPMENT

Product Code Product Name

5.07.04	PA/BGM - Audio Amplifiers (for Non O & G)
5.07.05	PA/BGM - Loud speakers (for Non O & G)
5.07.06	Acoustic Hoods & Booths
5.07.07	Hazardous Area Telephones / Field Telephones

5.08 - Closed-Circuit Television (CCTV) System

5.08.01	Closed Circuit Television Equipment
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5.09 - Access Control System

5.09.01	Access Control System
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5.10 - Security Alarm Monitoring Systems

5.10.01	Security Alarm Monitoring Systems
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5.11 - Boom barriers, Turnstile, Road Blockers

5.11.01	Traffic Barriers
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5.12 - Clock Synchronization / GPS Clock

5.12.01	GPS Clock / Antenna
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5.13 - Video Wall Solutions

5.13.01	Video Wall Solutions
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5.14 - Building Management System

5.14.01	Building Management System
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5.15 - Power Supply Equipment - Telecom Systems

5.15.01	Power Supply Equipment
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5.16 - Control room console - Telecom Systems

5.16.01	Control Room Consoles
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6.0 - ELECTRICAL MATERIALS

Product Code Product Name

6.01 - Transformer

- 6.01.01 Power Transformer (Safe area)
- 6.01.02 Distribution Transformer (Safe area)
- 6.01.03 Distribution Transformer (Hazardous area)

6.02 - Switchgear

- 6.02.01 High Voltage Switchgear (Safe area)
- 6.02.02 Low Voltage Switchgear & Motor Control Centre (Safe area)
- 6.02.03 LV Switchgear (Hazardous area)
- 6.02.04 Ring Main Unit (Safe area)
- 6.02.05 Ring Main Unit (Hazardous area)

6.03 - Variable Speed Drive

- 6.03.01 LV Variable Frequency Drive
- 6.03.02 HV Variable Frequency Drive

6.04 - Electrical Motor

- 6.04.01 Electrical Motor - HV and LV (Safe area)
- 6.04.02 Electrical Motor - HV and LV (Hazardous area)

6.05 - Protection Relays

- 6.05.01 Protection Relays

6.06 - Overhead Transmission Line and Accessories

- 6.06.01 Overhead Transmission Line & Accessories

6.07 - Capacitors

- 6.07.01 Power Capacitors - HV
- 6.07.02 Power Capacitors - LV

6.08 - Uninterruptable Power Supply (UPS) System

- 6.08.01 UPS (Safe area)
- 6.08.02 UPS (Hazardous Area)

6.0 - ELECTRICAL MATERIALS

Product Code Product Name

6.09 - Battery

6.09.01 Battery

6.10 - Neutral Earthing Resistors

6.10.01 Neutral Earthing Resistors

6.11 - Distribution Board

6.11.01 Distribution Board (Safe area)

6.11.02 Distribution Board (Hazardous area)

6.12 - Electrical Network Management Control System

6.12.01 Electrical Network Management Control System

6.13 - Bus Duct

6.13.01 Bus Duct

6.14 - Lighting

6.14.01 Lighting (Hazardous area)

6.14.02 Lighting (Safe area)

6.15 - Junction Boxes

6.15.01 Power Junction Box (Hazardous area)

6.15.02 Power Junction Box (Safe area)

6.15.03 Lighting Junction Box (Hazardous area)

6.15.04 Lighting Junction Box (Safe area)

6.16 - Electrical Cable

6.16.01 HV Cable

6.16.02 LV Cable

6.16.03 Submarine Cable

6.17 - Heat Tracing System

6.17.01 Heat Tracing (Cable & Equipment)

6.0 - ELECTRICAL MATERIALS

Product Code Product Name

6.18 - Cable Gland

6.18.01 Cable Gland

6.19 - Cable Ladder, Tray & Trunking

6.19.01 Cable Supports

6.20 - Earthing Material & Lightning Protection System

6.20.01 Earthing & Lightning

6.21 - Electrical Miscellaneous Items

6.21.01 Termination Kit
6.21.02 Cable Transit
6.21.03 Remote control unit (Safe area)
6.21.04 Remote control unit (Hazardous area)
6.21.05 Socket/Switch (Safe area)
6.21.06 Socket/Switch (Hazardous area)
6.21.07 Isolator/Switch Fuse
6.21.08 Lighting Control

6.22 - Solar Panel

6.22.01 Solar Panel (Hazardous area)
6.22.02 Solar Panel (Safe area)

6.23 - Generator

6.23.01 HV Generator (Safe area)
6.23.02 LV Generator (Safe area)

6.24 - Navigational Aids

6.24.01 Navigational Aids

6.25 - Emergency Diesel Generator Package

6.25.01 Emergency Diesel Generator Package

7.0 - BUILDING SERVICES

Product Code Product Name

7.01 - Mechanical Services

7.01.01	Air Handling Units and Fan Coil Units
7.01.02	Direct Expansion Air Conditioning Unit - Split AC Units, Multi Split AC Units, VRF & PACU
7.01.03	Extract Fan
7.01.04	Variable Air Volume (VAV) / Constant Air Volume (CAV) Box
7.01.05	HVAC Accessories, Grille / Diffuser / Balancing Dampers / Louvres
7.01.06	Fire / Smoke / Gas Dampers
7.01.07	Sound Attenuator
7.01.08	Liquid Chiller
7.01.09	Cooling Tower
7.01.10	Pipework - Chilled Water
7.01.11	Fittings - Chilled Water
7.01.12	Fittings - Grooved
7.01.13	Valves - Chilled Water
7.01.14	Water Treatment Package - Chilled Water and Plumbing
7.01.15	Circulating Pump + Pump sets - Chilled Water / Plumbing / Irrigation / Drainage
7.01.16	Storage Tank - Water
7.01.17	Hot Water Generator Package-over 150 Litres capacity
7.01.18	Pipe and Fittings - Plumbing / Irrigation / Drainage / Refrigerant
7.01.19	Valve - Plumbing / Irrigation / Drainage
7.01.20	Floor Traps, Gullies and Roof Outlets
7.01.21	Thermal Insulation (HVAC)
7.01.22	Isolator - Vibration

8.0 - PIPELINE & UMBILICAL MATERIALS

Product Code Product Name

8.01 - Induction Bends

8.01.01 Induction Bends

8.02 - Umbilical & Accessories

8.02.01 Umbilical & Accessories

8.03 - Mechanical Connector

8.03.01 Mechanical Connectors

8.04 - Piggy Back Strapping

8.04.01 Piggy Back Strapping

8.05 - Pipe/Line Pipe

8.05.01 Carbon Steel - Seamless
8.05.02 Carbon Steel - Welded (LSAW)
8.05.03 Carbon Steel - Welded (HFIW)
8.05.04 CRA (Solid- Seamless & Welded)
8.05.05 CRA (Mechanically Lined Pipe)
8.05.06 CRA (Metallurgical Bonded Clad Pipe)
8.05.07 CRA (Weld-Overlay Pipe)

8.06 - Flanges

8.06.01 Carbon Steel Flanges
8.06.02 Swivel Flanges

8.07 - Pipeline Tee

8.07.01 Barred TEE
8.07.02 Sphere TEE/Flow TEE
8.07.03 Hot Tap Split TEE

8.08 - Insulating Joint

8.08.01 Insulating Joints

8.09 - Ball Valve

8.0 - PIPELINE & UMBILICAL MATERIALS

Product Code Product Name

- 8.09.01 Ball Valves
- 8.09.02 Sub-sea Ball Valves

8.10 - Pig Launcher / Receiver

- 8.10.01 Pig Launching And Receiving Traps
- 8.10.02 Interlock System For Pig L / R

8.11 - Pig Signal System

- 8.11.01 Pig Signallers (non intrusive)

8.12 - Pipeline Coating/Lining

- 8.12.01 Coating Applicator (FBE,3LPE,3LPP,HDPE,Internal flow coating)
- 8.12.02 Lining Applicator (EPDM, Neoprene, Splash zone lining)
- 8.12.03 FBE Powder
- 8.12.04 P/L Insulation Materials

8.13 - Anode - Sacrificial

- 8.13.01 Sacrificial Anodes

9.0 - OFFSHORE/MARINE MISCELLANEOUS ITEMS

Product Code Product Name

9.01 - Bridge Bearing

9.01.01 Bridge Bearings (Teflon)

9.02 - Marine Bollard

9.02.01 Marine Bollards

9.03 - Barge Bumper System

9.03.01 Barge Bumper Systems

9.04 - Marine Fender

9.04.01 Marine Fenders

9.05 - Shock Cells

9.05.01 Shock Cells

9.06 - Rubber Diaphragm Leg Closures

9.06.01 Rubber Diaphragm Leg Closures

10.0 - ARCHITECTURAL

Product Code Product Name

10.01 - Door - Blast- Resistant

10.01.01 Blast Resistant Doors

11.0 - ROTATING & MECHANICAL EQUIPMENT

Product Code Product Name

11.01 - Pumps

- 11.01.01 Centrifugal Pumps Horz/ Vertical, API 610
- 11.01.02 Centrifugal Pumps Horz/ Vertical, Non API
- 11.01.03 Reciprocating Pumps, API 674
- 11.01.04 Metering Pumps, API 675
- 11.01.05 Rotary Pumps, API 676
- 11.01.06 Sealless pumps, API 685
- 11.01.07 Liquid Ring Compressors/ Pumps, API 681
- 11.01.08 Fire Water Pumps, NFPA 20, UL/FM
- 11.01.09 Eccentric Screw Pumps/ Progressive Cavity Pumps (PCP)
- 11.01.10 Sulphur Pumps
- 11.01.11 Recip Air/ Gas Driven Pumps including Air Operated Double Diaphragm (AODD) Pumps
- 11.01.12 Jet Pumps- Process/ Water

11.02 - Centrifugal Compressors, Process

- 11.02.01 Centrifugal Process Gas Compressors and Turbo Expanders/ Turbo Generators, API 617

11.03 - Reciprocating Compressors, Process

- 11.03.01 Reciprocating Process Gas Compressors, API 618
- 11.03.02 Reciprocating Process Gas Compressors, ISO 13631

11.04 - Positive Displacement Compressors

- 11.04.01 Rotary Screw Compressors, Process, API 619
- 11.04.02 Rotary Vane Compressor, Process/ Air
- 11.04.03 Diaphragm Compressor, Process/ Air

11.05 - Air Compressors

- 11.05.01 Integrally Geared Air Compressors, API 672
- 11.05.02 Rotary Screw (Dry/ Oil Flooded) Instrument Air Compressors
- 11.05.03 Reciprocating Instrument Air Compressors

11.06 - Gas Turbines

- 11.06.01 Gas Turbines- Mechanical Drive and Generators, API 616

11.0 - ROTATING & MECHANICAL EQUIPMENT

Product Code Product Name

11.07 - Steam Turbines

- 11.07.01 Special Purpose Steam Turbines, API 612
- 11.07.02 General Purpose Steam Turbines, API 611

11.08 - Diesel Engines

- 11.08.01 Diesel Engine Drivers for Pumps and Generators

11.09 - Gas Engines

- 11.09.01 Gas Engine Drivers for Mechanical Drives and Generators

11.10 - Packages (Rotating Equipment)

- 11.10.01 Instrument Air Compressor Packages
- 11.10.02 Corrosion Inhibitor/ Dosing Packages
- 11.10.03 Fire Water Pump Packages
- 11.10.04 Breathing Air Compressor Package
- 11.10.05 Nitrogen Production

11.11 - Mechanical Seals

- 11.11.01 Pumps/ Mixer Mechanical Seals and Seal Systems, API 682
- 11.11.02 Compressor Shaft Sealing System, Wet Seals
- 11.11.03 Compressor Shaft Sealing System, Dry Gas Seals, API 692

11.12 - Mixers

- 11.12.01 Side Entry Mixers
- 11.12.02 Top Entry Mixers

11.13 - Mechanical Gear Box

- 11.13.01 Special Purpose Gear Box, API 613
- 11.13.02 General Purpose Gear Box, API 677
- 11.13.03 Variable Speed Fluid Couplings

11.14 - Couplings

- 11.14.01 Couplings, API 671

11.0 - ROTATING & MECHANICAL EQUIPMENT

Product Code Product Name

11.14.02 Magnetic Couplings

11.15 - Bearings

11.15.01 Bearings

11.15.02 Active Magnetic Bearings

11.16 - Fans

11.16.01 Centrifugal Fans API 673

11.16.02 Centrifugal Blowers

11.16.03 Rotary Positive Displacement blowers

11.17 - Crane

11.17.01 EOT Cranes

12.0 - STRUCTURAL STEEL PLATES AND TUBULARS (Applicable to Offshore only) - Primary Steel

Product Code Product Name

12.01 - Structural Steel

12.01.01 Structural Steel Plates (Z)

12.02 - Seamless and SAW/Rolled Tubular Products

12.02.01 Seamless & Saw/Rolled Tubular Products

12.03 - Hot Rolled Section

12.03.01 Hot Rolled Section