



**WHITE NILE (5B) PETROLEUM OPERATING COMPANY LTD.**  
**PROCUREMENT & LOGISTICS DEPARTMENT**  
**STANDARD WORK & EQUIPMENT CATEGORY (SWEC)**

[MATERIALS](#)



**WHITE NILE (5B) PETROLEUM OPERATING COMPANY LTD.**  
**PROCUREMENT & LOGISTICS DEPARTMENT**

**Purchasing Section**

**Amended Copy**

**SWEC FOR MATERIALS**

**CATEGORY: PA1 AUTOMOTIVE**

- Sub Category: 1 Auto Accessories
- Sub Category: 2 Air Conditioner
- Sub Category: 3 Motor Vehicles
- Sub Category: 4 Overhead Crane
- Sub Category: 5 **Prime Mover**  
Forklift, Back Hole, Crawler, Lift trucks
- Sub Category: 6 Spare Parts
- Sub Category: 7 **Tractors**  
Loaders, Backhoe, Excavators, Bulldozer, etc
- Sub Category: 8 Trailer
- Sub Category: 9 **Trucks**  
Heavy (Over 1 Ton), Light (Less than 1 ton)
- Sub Category: 10 Tyre & Parts

**CATEGORY: PC1 CHEMICALS**

- Sub Category: 1 **Acidizing Chemicals**  
Hydrochloric Acid, Hydrofluoric Acid, Formic Acid, Acetic Acid, Acid Fracturing and Acidizing Additives
- Sub Category: 2 **Cementing Chemicals**  
API Class G Cement, Cementing Additives
- Sub Category: 3 **Drilling Fluid / Workover Chemicals**  
Barites, Base Oil (Oil Base Mud), Weighting Materials (eg Iron Oxide, Ilmenite, Siderite, Calcite, Galena), Clay Reducers(eg Carbon Methyl Cellulose, Hydroxy Ethyl Cellulose), Oxygen and Hydrogen Sulphide Scavengers (eg Sodium Sulphite, Iron Sponge etc), Corrosion Inhibitors and Biocides (eg Paraformaldehyde), Loss Circulation Materials (eg Mica, Cellophane Flakes, Ground Walnut Shell etc), Inorganic Chemicals, Caustic-ph control, Sodium Carbonate-removal of soluble calcium, Sodium Chloride-Brine preparations, Calcium Sulphate-Gypsum Mud, Treatment Chemicals for Oil- Base Muds (eg Shellsol D70, Wetting agent etc, Stuck Pipe Chemical(eg Pipelax, Geltone etc)
- Sub Category: 4 **Industrial Chemicals**  
Industrial Detergent, Water Displacing, Solvent, Degreasing Agent, Lubricants,Corrosion Inhibitor
- Sub Category: 5 Industrial Gas
- Sub Category: 6 Laboratory Chemical
- Sub Category: 7 Oil Spill Treating Chemicals
- Sub Category: 8 **Paint**  
Decorative, Industrial
- Sub Category: 9 **Production Chemicals**  
Pour Point Depressant, Biocides/SRB Control, Corrosion Inhibitor, Deoiler/Floatation Agent, Descaler/Scale Inhibitor, Dehydration, Sludge Breaker, Water Clarifier, Demulsifiers 7 Emulsifiers, Crude Drag Reducer, Catalyst
- Sub Category: 10 Water Treatment Chemicals- Portable
- Sub Category: 11 water Treatment Chemicals - Process/Waste

**CATEGORY: PD1 DRILLING EQUIPMENT AND MATERIALS**

- Sub Category: 1 **Cementing & Mud Accessories**  
Mud Pumping Equipment, Hydraulic Mixer, Hydraulic Breaker, Mud tanks, Squeezer, shakers, sieves etc
- Sub Category: 2 **Completion Equipment & Accessories**  
Subsurface Safety Valve, Packer, Bailer, Retainer, Bridge Plug, Nipple, Sliding Sleeves, Sand Screen, Screen liner, Gaslift Mandrell & Accessories, Seal Assembly, Control Line and Protector, Tubular Accessories -crossovers & subs, casing scrapper, Swabbing Tools, Swaging Tools,, tubing drains, collar locator, sucker rods, Bottom Hole Pressure Gauges
- Sub Category: 3 **Drill Bits & Nozzles**  
Rock Bits, PDC Bits, Core Bits & Accessories,
- Sub Category: 4 **Drilling Tools**  
Drill Pipe & Accessories - drill rods, pipe hanger, drill pipe sleeve, pipe rams, plug, Fishing Tools, Underreaming/Cutting Tools, Crossover Jjoint, coupling, Casing shoe, Casing Patch tool
- Sub Category: 5 **Gravel Packing Accessories**  
Wire Wrapped Screen, Associated Equipment
- Sub Category: 6 **Liner Hanger & Accessories**
- Sub Category: 7 **OCTG - Casing & Tubing**  
Tubing, Casing, Conductor/Connector, Couplings, Tubular Thread Protectors, Thread Compounds, Crossover joint
- Sub Category: 8 **Wellhead Equipment & Accessories**  
Heads/Spools/Adapters/Bonets, Blowout preventers, Seal/Slip/Hangers, Stuffing Boxes, Wellhead Accessories (X-mas tree assembly)Surface, Subsea, Wellhead Fittings
- Sub Category: 9 **Wireline Equipment/Tools & Accessories**

Taps and die collars, spears and overshots, Internal and External cutters, Milling tools, Washover pipe, Junk retrievers and magnets, Bumper, Jars-Mechanical or Hydraulic, Safety Joints, Basket Subs, Collar locators, Logging Sondes

**CATEGORY: PE1 ELECTRICAL**

- Sub Category: 1 **AC/DC Power Supply System**  
Uninterrupted Power Supply (UPS) System-Rotary Type, UPS-Hybrid type, UPS-Static type Above 2KVA, UPS- Static type Below 2 KVA, DC Power Supply System, Solar Power Supply
- Sub Category: 2 **Batteries**  
NICAD, Lead Acid, Sealed lead acid, Air Polarised, General Dry Cell
- Sub Category: 3 **Cables**  
Power-General, Power-Flame Retardant, Power-Fire Resistant, Instrument-General, Instrument-Flame Resistant, Instrument- Fire Resistant, Telecommunication-General, Telecommunication-Flame Retardant, Telecommunication-Fire Resistant, Submarine Cable, Fibre Optic
- Sub Category: 4 **Cable Trays/Ladders**  
Metallic, Non-metallic
- Sub Category: 5 Capacitor Banks
- Sub Category: 6 **Circuit Breakers**  
Air Circuit Breaker, Moulded Case Circuit Breaker, Earth Leakage/Voltage Circuit Breaker, Vacuum Circuit Breaker, SF6 Circuit Breaker
- Sub Category: 7 **Contactors**  
Air Break, Vacuum/Gas Break
- Sub Category: 8 Earthing & Lightning Protection Materials
- Sub Category: 9 **Electrical Fittings & Accessories**  
Cable Gland & Wiring Accessories, Junction/Terminal Box, Explosion Proof Enclosures, Remote Control Unit/Control Station
- Sub Category: 10 **Electrical Tools**  
Electrical Test Equipment
- Sub Category: 11 **Fuses**  
High rupture capacity (HRC Fuse), Control Fuse
- Sub Category: 12 Heat Tracing System
- Sub Category: 13 Ignition System
- Sub Category: 14 **Light Fittings & Accessories**  
Flourescent/Incandescent Fittings, Navigational Aids (marine latterns), High Intensity Discharge Type, Explosion Proof Fittings
- Sub Category: 15 **Motors**  
AC Motor-General, AC Motor-Hazardous Areas, DC Motor- Hazardous Areas, DC Motor
- Sub Category: 16 **Relays**  
Control Relay, Protection Relay, Thermal Overload Relay
- Sub Category: 17 **Switchboards/Distribution Boards**  
High Voltage, Low Voltage, For Hazardous Areas
- Sub Category: 18 **Switchgears & Motor Control Centres**  
Low Voltage Switchgear, Medium Voltage Switchgear, High Voltage Switchgear, For Hazardous Areas
- Sub Category: 19 **Transformers**  
Power-Cast Resin Dry Type, Power- Hermetically Sealed Liquid Type, Control Transformer

**CATEGORY: PF1 FOOD & BEVERAGES**

- Sub Category: 1 **Catering & Supplies**  
Baked goods, Canned Goods, Meals, Milk & dairy products, other Food Stuff etc.

**CATEGORY: PG1 GEOLOGICAL & GEOPHYSICAL**

- Sub Category: 1 Explosives
- Sub Category: 2 Recording Equipment
- Sub Category: 3 Seimic Vibrator Equipment, Seismographic Equipment
- Sub Category: 4 Shooting Equipment
- Sub Category: 5 Surveying Equipment
- Sub Category: 6 Tapes, Recording paper

**CATEGORY: PH1 HEAT VENTILATION & AIR CON. (HVAC) EQUIPMENT**

- Sub Category: 1 Air Conditioning & Spare Parts
- Sub Category: 2 **Air Handling Units**  
General, Hazardous Area, Computer Room
- Sub Category: 3 **Chillers**  
Direct Gas Fired, Direct Expansion, Absorption, Hazardous Area
- Sub Category: 4 **Condenser Units**  
General, Hazardous Area
- Sub Category: 5 **Fans**  
General, Hazardous Area
- Sub Category: 6 Fan Coils
- Sub Category: 7 Filters

**CATEGORY: PI1 INSTRUMENTATION (Control Equipment)**

- Sub Category: 1 **Actuators**  
Pneumatic Type, Hydraulic Type, Electric Type
- Sub Category: 2 **Automatic / Emergency (ASD/ESD) Shutdown System**  
Electronic Programmable Logic Control, PLC- Redunfant, Solid State, Pneumatic, Electrical/Relay
- Sub Category: 3 **Calibration Equipment**  
Weighting Machine Equipment
- Sub Category: 4 **Control Panels**  
Wellhead Control Panel, Instrument Control Panel, Annunciator/Master Shutdown Panel, Subsea Intervention Valve Panel
- Sub Category: 5 **Controllers**  
Electronic Type, Pneumatic Type, Programmable Controller, Remote Analog
- Sub Category: 6 **Convertors**
- Sub Category: 7 **Flow Instruments**  
Orifice Bodies(fittings, flanges, plates), Flow Switches, Sight Flow Indicators, Rotameter, Positive Displacement Flow Meter, Flow computers, Turbine flowmeters, Oil/Water Content and Analyser, Venturi Tube, Flow/Temperature/Pressure Recorder, Density Meters, Other Flow Instrument
- Sub Category: 8 **Instrument Tubings / Accessories**  
Coupling, Tubings, Fittings
- Sub Category: 9 **Level Instruments**  
Level Gauges/Glasses & cocks, Float Operated Type, Displacement Type, Differential Pressure Type, Capacitant Type, Ultrasonic Type.
- Sub Category: 10 **Metering System**  
Gas Metering, Liquid Metering, Multiphase Matering
- Sub Category: 11 **Monitoring Equipment**  
Inline Capacitance Probe, Moisture Analyser, Sand Probe, Electronic Counter, Vibration-Monitors, Reid Vapour Analysers (RVP), Gas/Liquid Chromotograph (GLC)
- Sub Category: 12 **Pressure Instruments**  
Pressure/DP Transmitter-Electronic,Pressure/DP Transmitter-Pneumatic, DP Switches/Gauges, Electric Pressure Switches, Pneumatic Pressure switches, Pressure Gauge, Rupture Discs, Pressure Pilots, Pressure Transducers.
- Sub Category: 13 **Process Control & Monitoring System**  
Distributed Control System (DCS), SCADA System/Telemetry, Telemetry Systems
- Sub Category: 14 **Sampling System**
- Sub Category: 15 **Tank Gauge**  
Gauge glasses, Gauge Temperature
- Sub Category: 16 **Temperature Instruments**  
Temperature Transmitters, Temperature Switches, Thermowells, Thermometers, Temperature Sensor (Thermocouple/ RTD), Analog Multiplexes System, Temperature Controllers
- Sub Category: 17 **Valves**  
Solenoid Valves, Control Valves, Instrument Valves and Manifolds, Valve Positioners, Process Regulators, Instrument Regulators/Relays, Thermostatic Valves, Vapour Withdrawal Valves (LPG Compact Valves)

**CATEGORY: PI2 INSULATION**

- Sub Category: 1 **Insulation Materials**  
Hot, Cold, Personnel, Sound/Noise, Fire

**CATEGORY: PL1 LINEPIPES**

- Sub Category: 1 **Bends**
- Sub Category: 2 **Couplings**
- Sub Category: 3 **Electric Resistance Welded Pipes**  
Carbon Steel Pipes, Stainless Steel Pipes, Duplex Stainless Steel Pipes
- Sub Category: 4 **Longitudinal Submerged Arc Welded Pipes**  
Carbon Steel Pipes, Stainless Steel Pipes, Duplex Stainless Steel Pipes
- Sub Category: 5 **Seamless**  
Carbon Steel Pipes, Stainless Steel Pipes, Duplex Stainless Steel Pipes, Cupro Nickle, Monel, Thermoplastic Pipes
- Sub Category: 6 **Spiral Submerged Arc Welded Pipes**  
Carbon Steel Pipes, Stainless Steel Pipes, Duplex Stainless Steel Pipes
- Sub Category: 7 **Welded**

**CATEGORY: PM1 MECHANICAL**

- Sub Category: 1 **Bearings**
- Sub Category: 2 **Chemical Injection Skid**
- Sub Category: 3 **Corrosion Protection**  
Impress Current, Anodes/Cathode, Corrosion Monitoring Equipment, Warpping Tapes, Insulating Joints, Bolt & Nut Protective Cap, Corrosion/Insulation Coating Material, Concrete & Reinforment Material, Linepipe Mechanical Protection Material, Anti-slip
- Sub Category: 4 **Cranes**  
Pedestal, Overhead Travelling/Gantry, Pillar Jib, Crawler, Hydraulic Floor Crane
- Sub Category: 5 **Dehydration System**  
Glycol, Air
- Sub Category: 6 **Filters**

Water Injection Filters, Glycol Filters, Oil Filters, Fuel Filters, Water Filters, Air Filters, Gas Filters, Duplex Filters, Hydraulic Circuit Filters

- Sub Category: 7 **Flare System**  
Flare Stack/Tips, Pilot, Ignition System, Flame Arrestors
- Sub Category: 8 **Fluid Transfer Equipment**  
Loading Arms
- Sub Category: 9 **Gritblasting**  
Abrasive Material
- Sub Category: 10 **Hand / Power Tools**  
Pneumatic, Electric, General (Hand Powered), Welding Equipment
- Sub Category: 11 **Heat Process Equipment (Fired)**  
Fired Heaters, Boilers, Boiler Tubes, Incinerators, Furnance, Burners
- Sub Category: 12 **Heat Process Equipment (Unfired)**  
Shell & Tub Heat Exchanger, Double Pipe/Fintube, Hampson coil/Braized Aluminium Plate Fin, Air Cool Heat Exchanger, Plate Type Heat Exchanger, Transfer Line Exchanger
- Sub Category: 13 **Hoses**  
SBM Hoses, Couplings, Chemical Transfer, General Purpose, Flexible Drainpipes
- Sub Category: 14 **Hydraulic Power Unit / Power Pack**
- Sub Category: 15 **Jet Fuel System**
- Sub Category: 16 **Manlift**  
Stationary, Mobile
- Sub Category: 17 **Marine Accessories**  
Shackles, Timble, Clips
- Sub Category: 18 **Marine Systems**  
Anchors, Buoys, Single Point Mooring System, Mooring Ropes, Wire Ropes, Fibre Rope, Chains, Boat Fenders
- Sub Category: 19 **Material Handling**  
Chain Sling, Wire Rope Sling, Fibre Rope Sling, Webbing Sling, Drum Sling/Lifters, Plates Grips/Clamps, Plate Bars, Load Binders, Cargo Ners, Mini-containers, Cargo Basket, Hooks, Tubular Habdling System, Container Handler
- Sub Category: 20 **Pigging Accessories**  
Scraper, Brushes , Launcher, Receiver, Pigs, Closures
- Sub Category: 21 **Pipe Fittings & Accessories**  
Non-Metal Fitting and Flanges, Carbon Steel Fitting , Carbon Steel Flanges, Stainless Steel Fitting, Stainless Steel Flanges, Gaskets, General Bolting Materials, Cadmium Plated Fluoro Carbon coded bolting material, Pipe Support & Accessories
- Sub Category: 22 **Seal**  
Mechanical, Packings
- Sub Category: 23 **Specialised Connectors**
- Sub Category: 24 **Storage Tanks**  
Transportable Tanks, Vertical Cylindrical Tanks (welded), Bolted Tanks, Fibreglass Tanks.
- Sub Category: 25 **Testing Equipment**  
Localised High Pressure Testing
- Sub Category: 26 **Transmission Equipment**  
Gears, Couplings, Belts, Pulleys & Sheaves
- Sub Category: 27 **Unfired Pressure Vessel**  
Pressure Vessel, Strainer, Coalescer, Tray Towers, Sphers
- Sub Category: 28 **Vessels Internals**  
Contactor Trays, Inlet Vanes, Mist Extractors, Corrugated Plate Interceptor (CPI)
- Sub Category: 29 **Waste Heat Recovery Unit**  
Fired, Unfired
- Sub Category: 30 **Water Maker/Desalination**  
Reverse Osmosis, Vapour Compression, Distillation Unit
- Sub Category: 31 **Water Treating Equipment**  
Hypochlorinator Package, Corrugated Plate Inhibitors (CPI), Induced Gas Floatation 9IGF), Hydro Cyclone, Dissolved Air Floatation,
- Sub Category: 32 **Welding Consumables**  
Electrodes
- Sub Category: 33 **Winches/Hoists**  
Hand Winch, Air Hoist, Electrical Hoists, Chain Block/Trolley

**CATEGORY: PO1 OFFICE EQUIPT & SUPPLIES**

- Sub Category: 1 **Computer Hardwares**  
Mainframe, Mini, Workstations, Personal Computers (Desktop & Laptop), Data Storage, Accessories, Network Equipment
- Sub Category: 2 **Computer Softwares**  
Mainframe, Mini/Micro, Personal, Directional Drilling Engineering & Training Software, Accounting, Procurement Software, Maintenance softwares etc
- Sub Category: 3 **Office Appliances**  
Printing & Duplicating Equip., Photostat Machine, Photographic Equip., Storage Media, Office Machine e.g Scanners,Printers / Plotter /Peripherals
- Sub Category: 4 **Reading Materials**  
Books, Mazagine, Awarded & Promotional items, etc

Sub Category: 5 **Stationery**  
Draughting & Graphic, Office stationery, Papers, Printed Matters, Labels & marking supplies, Forms

**CATEGORY: PO2 OPERATIONAL/RESIDENTIAL& SUPPLIES**

Sub Category: 1 **Containers**  
Can, Corrugated Fibreboard Cartons, Steel Drum, Plastic, LPG Cylinders

Sub Category: 2 **Interior Decorations & Design**  
All decorative materials, Flowers, Pots, Furnitures

Sub Category: 3 **Musical Instrument**  
Musical related services & supplies

Sub Category: 4 Pesticides

Sub Category: 5 **Shelter Needs (Homes & Camps)**  
Furniture (office- home), Electrical appliances, Kitchen appliances & Accessories, Mattresses, Cushions & Pillows, Uphoistry, Gardening Supplies, Cleaning Equipments & Accessories, Cleaning Agents.

Sub Category: 6 Vet Medicines

**CATEGORY: PO3 GENERAL (BASIC NEEDS)**

Sub Category: 1 Batteries, Dry Cells, Flashlight

Sub Category: 2 Bedding & Linens

Sub Category: 3 **Fabric & Accessories**  
Fabric/Textile Material, Advertising Material/Banners/Streamers, Flags, Curtain & Accessories, Uniform & Accessories, Corporate T Shirt, Fabric Products, Shoes (excl. safety shoes), Canvas & Accessories

Sub Category: 4 Janitorial Equipment & Supplies

Sub Category: 5 Mobile Phone

Sub Category: 6 Paper Products / Plastic Products

Sub Category: 7 Plumbing Fixtures

Sub Category: 8 Smart Card & Magnetic Stripe Card

Sub Category: 9 **Sport & Recreational Equipment**  
Sports Equipment, Entertainment Equipment

Sub Category: 10 Toiletries, Hygiene Products & Accessories

Sub Category: 11 **Water**  
Potable water, Bottled Water.

**CATEGORY: PO4 GENERAL (FUELS, OILS & LUBRICANTS)**

Sub Category: 1 Aviation Fuels

Sub Category: 2 Coolant / Antifreeze, General & Industrial

Sub Category: 3 Diesel, Gasoline

Sub Category: 4 Gear Oil, Greases, Hydraulic Oil

Sub Category: 5 Hydrometers

Sub Category: 6 Lubricants, General & Industrial

Sub Category: 7 Natural Gas

Sub Category: 8 Propane Gas

Sub Category: 9 Transmission Oil/Fluid

**CATEGORY: PO5 GENERAL (MOBILE HOMES & SHEDS)**

Sub Category: 1 Home

Sub Category: 2 Pre- Fabricated Building

Sub Category: 3 Portable Structure

Sub Category: 4 Shelters, Canopy, Tents, Shed & Awning

Sub Category: 5 Tarpaulins

**CATEGORY: PO6 LABORATORY EQUIPMENT & SUPPLIES**

Sub Category: 1 Apparatus & Equipment, Glass Wear & Lab Tools, Lab Chromatographs, Laboratory Furniture & Fixtures

Sub Category: 2 SamplesContainers

**CATEGORY: PR1 ROTATING EQUIPMENT**

Sub Category: 1 **Centrifugal Pumps**

Horizontal Heavy Duty- Process-API 610, Horizontal General Purpose, High Speed, Vertical-in line process-Radial split-API610, Vertical Submersible (Bore Hole), Vertical-In line Process-Close couple, Vertical Multi Stage, Vertical-Submerged(Sump) Type-Radial Split, Submersible Clock Type(pneumatic), Submersible Clock Type(Electric), Fire Fighting, Vertical General Purpose.

Sub Category: 2 **Compressors**

Centrifugal Compressor, Reciprocating Compressor, Air Compressor Skid, Rotary Compressor, Compressor Valves, Blowers, Liquid Ring Compressor, Blowers, Fans, Exhaust & Air washing Turbo-expander

Sub Category: 3 **Generators**

Gas Turbine Driven Generator, Gas Engine Driven Generator, Diesel Engine Driven Generator, Portable Genset

Sub Category: 4 **Primemover**

Gas Turbine, Steam Turbine, Diesel Engine, Gas Engine

**Sub Category:** 5 **Reciprocating Pumps**  
Horizontal-Direct Steam Cylinder, Horizontal-Electric Motor Driven, Vertical-Electric Motor Driven

**Sub Category:** 6 **Rotary Pumps**  
Positive Displacement Screw, Positive Displacement-Single Helical, Positive Displacement-Lobe, Positive Displacement-Sliding Vane, Positive Displacement-Gear

**Sub Category:** 7 **Special Purpose Pumps**  
Multiphase, Barrel (Hand Operated), Hydraulic, Controlled Volume, Pumps, Sliding Vane & Liquid Ring Type, Sub Zero Duties, Diaphragm, Vacuum Pump, Chemical Injection Pump, High Pressure Steam Cleaner, High Pressure Water Pump

**CATEGORY: PS1 SAFETY & PROTECTION SYSTEM**

**Sub Category:** 1 **Detection Equipment**  
Gas Detector, Smoke Detector, Fire/Heat Detector, Ultra Violet and Infra Red Flame Detector

**Sub Category:** 2 **Environmental Monitoring & Equipment**  
Dispersant Spraying Equipment, Oil Skimmer, Oil Booms, Absorbents, Oil Spill Accessories. Air Quality Monitoring Equipmt., Control Equipmt., Sewage Treatment System, Waste Disposal Systems, Water Quality Monitoring System

**Sub Category:** 3 **Fire Fighting Equipment**  
CO2, Deluge/Sprinkler System, Extinguisher, Fire Hose and Nozzles, Fire Suit, Foam Compound, Fire Dampers, Fire Blankets, Fire Engine/tenders, Fire Monitors, Fire Water System, Fire Fighting Equipment, Fire Surviving Suit, Training Center Equipment

**Sub Category:** 4 Fire Gas System

**Sub Category:** 5 Medical Equipment & Supplies

**Sub Category:** 6 Platform Alarm System

**Sub Category:** 7 **Protection & Safety Equipment**  
Personnel Protection Equipment, Eye Wash Station & Shower, A60/Ao Doors and Windows, Self Contained Breathing Apparatus, Resuscitators, First Aid Kits, Helicopter Crash Rescue Equipment, Stretchers, Rocket Line Throwing Apparatus, Fire Resistant Doors, Module Cladding Firewalls & Decking

**Sub Category:** 8 **Security Equipment & Surveillance System**  
Electronic Surveillance Equipment, Identification Badge Equipment, Locking Devices, Special Use Equipment

**Sub Category:** 9 **Survival Equipment**  
Escape Capsule, Rescue Boat, Liferaft(self-inflating), Liferaft, liferings, Escape Ropes, Scramble Nets, Life/Work Vests, Escape System

**CATEGORY: PS2 STRUCTURAL**

**Sub Category:** 3 **Building Materials**  
Anchor Bolts, Bricks, Tiles, Blocks, Cement, Fireproofing materials, Glass/Glazing materials, Fencing Materials, Insulation, Lumber/timber, Partitioning/Paneling/Trim/Ceiling, Wall Paper, Plumbing/Drainage materials, Roofing / Sliding materials, Sand/Gravel/Pebbles/Hardcore, Scaffolding, Frames -window, Door etc

**Sub Category:** 4 **Hardware & Fasteners**  
Bolts & Nuts, Rivets, Screws, Washers & Nuts, Ironmongery, Bearing, Filters, Seals, Brass Fitting House/ Tubes, Fitting, Hydraulic Tubing, Hand Tools, Power Tools, Hose, Hose fitting & Couplings, Painting Equipment & Accessories, Anti-rust accessories, High Pressure Washer, Welding Equipment & Welding Electrodes, Rails & Components

**Sub Category:** 1 Structural Pipes

**Sub Category:** 2 **Structural Steel**  
Beams & Columns, Gratings, Plates, Rods & Bars, Aluminium

**CATEGORY: PT1 TELECOMMUNICATION EQUIPMENT / SYSTEM**

**Sub Category:** 1 **Ancillary Equipment**  
Telex Machine, Facsimile Machine, Message Switch, Message Recorder, Intercom Facilities, Hotline System

**Sub Category:** 2 Data Communication Equipment

**Sub Category:** 3 Microwave System

**Sub Category:** 4 **Public Address (PA) System**  
General Purpose, Hazardous Area application

**Sub Category:** 5 **Radio Communication Equipment**  
HF Single Side Band, VHF-FM Marine Radio, VHF-AM-Aeronautical Radio, UHF/VHF Walkie Talkie, ATUR, Navigational Radio Beacon, SOLAS Radio System

**Sub Category:** 6 Satellite System

**Sub Category:** 7 **Telephone System**  
Switching Equipment, Subscriber Equipment

**Sub Category:** 8 Video Conferencing System

**CATEGORY: PV1 VALVES**

**Sub Category:** 1 **Ball Valves**  
less than 50mm(non-firesafe), less than 50mm(firesafe), Greater than 50mm(non-firesafe), Greater than 50mm(firesafe)

**Sub Category:** 2 Butterfly Valves

**Sub Category:** 3 **Check Valves**  
Less than 50mm, Greater than 50mm, Duo Check Valve, Piston/non-slam check valves

- Sub Category: 4 Choke Valves
- Sub Category: 5 Diaphragm Valves
- Sub Category: 6 **Gate Valves**  
Less than 50mm, Greater than 50mm
- Sub Category: 7 **Globe Valves**  
Less than 50mm, Greater than 50mm
- Sub Category: 8 Needle Valves
- Sub Category: 9 **Plug Valves**
- Sub Category: 10 Safety Relief Valves  
Pilot Operated, Conventional
- Sub Category: 11 Steam Traps
- Sub Category: 12 Vacuum / Breeder Valves
- Sub Category: 13 Valves Locking / Interlocking Devices

**CATEGORY: PW1 MISCELLANEOUS**

- Sub Category: 1 Plastic, others not listed

**CATEGORY: PW2 WORKSHOP TOOLS & EQUIPMENT**

- Sub Category: 1 Hoisting & Securing Equipment  
Chain, Connectors, Hoists & Trolleys, Ropes, Web Slings, Wire Rope, Wire Rope Slings
- Sub Category: 3 **Workshop Equipment**  
Air Compressor, Hydraulic Press, Generator Set
- Sub Category: 2 **Workshop Tools**  
Impact Wrench, High Pressure Grease Pump, Hand Grinder, Garage Jack, Pneumatic, Welding Transformer, Smoke Meter, Electric Hand Drill, Mechanic Hand Tools

**CATEGORY: PW3 WAREHOUSE EQUIPMENT**

- Sub Category: 1 **Warehouse Cleaning Equipment**  
Scrubber Machine, Polishing Vacuum
- Sub Category: 2 **Warehouse Material Handling Equipment**  
Conveyor, Motorised Handpallet, Hand Truck, Platform Truck, Dock Leveller, Pallets, Packing Materials, Storage Racks, Bin & Shelving, Strapping Tools, Weight Scales, Containers (Metal & Non Metal) & equipment etc

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