

Sourcing List (Static Equipment)

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#	9COM	Description	Full Description	Commodity
1	6000000066	TUBING; COPPER-ALLOY; EEMUA; ASTM	TUBING; ANY TYPE, COPPER-ALLOY, INCLUDING COPPER NICKEL (90-10, 70-30, C70600, OR C71500), EEMUA144, ASTM B466 ASTM B111	Static Equipment
2	6000000134	SLEEVE; PIPE; TWO HALVES; BOLTED FLANGED	SLEEVE PIPE BOLTED; ANY NOMINAL PIPE SIZE, STEEL, ANY WORKING PRESSURE, FOR PIPE REPAIR	Static Equipment
3	6000000181	FLANGE; PIPE; COPPER NICKEL, EEMUA 234	FLANGE PIPE; ALL DESIGNS TYPE, ANY NPS, ANY BASE MATERIAL, EEMUA 234, COPPER-ALLOY FLANGES AND CS BACKING (LAP JOINT) FLANGES PER EEMUA 234. OR OTHER COPPER ALLOYS AS PER ASME 16.5, PIPE FLANGES AND FLANGED FITTINGS, UTILITY, NON-HYDROCARBON.	Static Equipment
4	6000000188	FLANGE; COMPACT WN PAIR, M-F CONNECTOR	FLANGE PIPE; COMPACT FLANGE WN PAIR, WN-BLIND, WN-WN SWIVEL-RING OR AS DESIGNED TYPE, ASME CLASS 900 AND ABOVE RATING, WN WITH SELF-ENERGIZING SEAL TERMINAL CONNECTION, ANY NPS, ANY STEEL PER 02-SAMSS-011, ASME SEC VIII DESIGN, 02-SAMSS-011, COMPLETE ASSEMBLY WITH MALE-FEMALE CONNECTOR, SEAL RING, BOLTS AND NUTS	Static Equipment
5	6000000275	VALVE; CHECK; SWING; UP TO 12 IN; CI OR DI	VALVE CHECK; SIZE UP TO 12 INCH, CAST OR DUCTILE IRON BODY, SWING, FLANGED, LUG OR WAFER END CONN, 04-SAMSS-035, 04-SAMSS-048 04-SAMSS-005	Static Equipment
6	6000000296	VALVE; GATE; WEDGE OR DBL DISC; UP TO 12	VALVE GATE; SIZE UP TO NPS 12, ANY RATING, ALLEND'S SUPPLY, CAST OR DUCTILE IRON BODY, 04-SAMSS-035, 04-SAMSS-048 AWWA, WITH OR WITHOUT ACTUATOR	Static Equipment
7	6000000302	VALVE; GLOBE; CAST OR DUCTILE IRON;	VALVE GLOBE; ANY NPS, ANY RATING SUPPLY, ANY ENDS END CONN, CAST OR DUCTILE IRON BODY, 04-SAMSS-035, 04-SAMSS-048 04-SAMSS-002, WITH OR WITHOUT ACTUATOR, ANY SIZE	Static Equipment
8	6000000308	VALVE; PLUG; LUBRICATED	VALVE PLUG; LUBRICATED TYPE, SIZE ANY SIZE, ANY PRESSURE RATING SUPPLY, ANY END CONN, STEEL BODY, 04-SAMSS-035, 04-SAMSS-048, 04-SAMSS-053, 04-SAMSS-055 ASME B16.34, API 599 API 6A, WITH OR WITHOUT ACTUATOR, ASME CLASS 150 AND UP, API 2000 TRHU 5000.	Static Equipment
9	6000000686	BUILDING; SPACE FRAME; STEEL;	BUILDING; SPACE FRAME TYPE, SIZE ANY, STEEL, 12-SAMSS-007, SAES-M-001 SAES-M-100, ONSHORE	Static Equipment
10	6000002255	CRANE; OVERHEAD; BRIDGE OR GANTRY; 150T MAX	CRANE OVERHEAD; BRIDGE & GANTRY TYPE, UP TO 150 METRIC TON LIFT, VARIES SPAN, AS PER P.O. SPEED, LONG & CROSS TRAVEL, MANUAL OR ELECTRICAL DRIVE, OPEN OR ENCLOSED OPERATION, PENDANT OR CABIN CONTROL, BRIDGE, GANTRY, ASME B30, CMAA 70, SAES-M-001	Static Equipment
11	6000002323	CRANE; JIB; HOISTING; 1/2 TON TO 10 TON;	CRANE JIB; PILLAR MOUNTED OR WALL MOUNTED TYPE, 1/2 TON TO 10 TON LIFT, ANY SPAN, ANY MAXIMUM LIFT HEIGHT, ANY ROTATION, MATERIAL HANDLING OPERATION, 12-SAMSS-007, SAES-H-001, SAES-H-002, SAES-H-101V, SAES-M-001, AWS D1.1; AISC 360; CMAA 74; NEMA MG1; API 9A; ASME B30 Series	Static Equipment
12	6000002415	EJECTOR; AIR; STEAM OR WATER.;	EJECTOR; ANY PROCESS, ANY, AIR, STEAM OR WATER, AIR, STEAM OR WATER.	Static Equipment
13	6000002428	TIP; FLARE;	TIP; FLARE TYPE, 32-SAMSS-022	Static Equipment
14	6000002430	FURNACE; DIRECT FIRED; 32-SAMSS-029;	FURNACE; DIRECT FIRED TYPE, 32-SAMSS-029	Static Equipment
15	6000002431	FURNACE; INDIRECT FIRED;	FURNACE; INDIRECT FIRED TYPE, 32-SAMSS-029	Static Equipment
16	6000002434	HEAT EXCHANGER; MULTI-PIPE; 32-SAMSS-028	HEAT EXCHANGER; MULTI-PIPE TYPE, 32-SAMSS-028	Static Equipment
17	6000002436	HEAT EXCHANGER; ELECTRIC; 32-SAMSS-027;	HEAT EXCHANGER; ELECTRIC TYPE, 32-SAMSS-027	Static Equipment
18	6000002508	FLARE; PROCESSED PLANT; INCLUDING TEMPER	FLARE; PROCESSED PLANT TYPE, 32-SAMSS-022, 31-SAMSS-003, 32-SAMSS-004, 32-SAMSS-011 32-SAMSS-013, 34-SAMSS-830, 34-SAMSS-711, INCLUDING TEMPERATURE CONTROLS, IGNITERS AND STACK AND BURNPIT WITH ACCESSORIES, FOR FGRS INCLUDES: COMPRESSORS. PRESSURE VESSELS (WATER SEAL DRUMS) OR CONTROL VALVES WITH BUCKING PIN VALVES, BLOWERS AND AIR COOLED HEAT EXCHANGERS. FOR IN-HOUSE HPAAS (HIGH PRESSURE AIR ASSIST SYSTEM) FLARE SMOKELESS APPLICATION INCLUDE: HPAAS FLARE TIP, COMPRESSORS, PRESSURE VESSELS (AIR DRYER AND RECEIVER DRUM), CONTROL VALVES AND HEAT EXCHANGERS.	Static Equipment
19	6000014710	FLANGE; PIPE; CONNECTOR, MECHANICAL END	FLANGE PIPE; CONNECTOR TYPE, ANY NPS, ANY, MECHANICAL END CONNECTORS	Static Equipment
20	6000014900	MACHINE; HOT TAP; PIPELINE SERVICE	MACHINE; HOT TAP TYPE, WITH/WITHOUT POWER UNIT	Static Equipment
21	6000017141	INLINE MIXING UNIT;	UNIT; VALVE/SPOOL TYPE, SAES-A-010, 01-SAMSS-010 ANSI B31.3, INLINE HIGH EFFICIENCY MIXER PACKAGE, ADJUSTABLE OR STATIC, TYPICALLY HAS SPOOL OR VALVE, FITTINGS, INJECTION CONE, INJECTION PIPE SPOOL, INJECTION QUILL, HOUSING, INTERNAL MIXING PARTS. FOR SOUR AND NON SOUR SERVICE NPS PRODUCT RANGE PER PR, ANSI FLANGE 150 TO 900#. FOR MIXING OIL WITH WATER OR CHEMICALS. FABRICATION WITH APPROVED MANUFACTURER	Static Equipment
22	6000017260	SKID, NITROGEN; PRESSURE SWING ADSORPTIO	SKID; NITROGEN ADSORPTION (PSA) PRESSURE SWING TYPE, 32-SAMSS-038, NITROGEN GENERATION UNIT, PSA (PRESSURE SWING ADSORPTION) TYPE. USES ADSORBENT SUCH AS CARBON MOLECULAR SIEVE. MORE THAN 95% VOLUME PURITY NITROGEN	Static Equipment
23	6000017370	SEAL, PRIMARY, FOR EXTERNAL FLOATING ROOF	SEAL; PRIMARY TYPE, 32-SAMSS-005, FOR EXTERNAL FLOATING ROOFS	Static Equipment
24	6000017371	SEAL, SECONDARY, EXTERNAL FLOATING ROOFS	SEAL; SECONDARY TYPE, 32-SAMSS-005, FOR EXTERNAL FLOATING ROOFS	Static Equipment
25	6000018060	VESSEL, PRESSURE, ANY, FIBREGLASS-REINFO	VESSEL; PRESSURE TYPE, ANY, FIBREGLASS-REINFORCED PLASTIC (FRP), 32-SAMSS-039, WATER SERVICES ONLY	Static Equipment
26	6000017570	BURNER, BOILER, STEAM GENERATOR	BURNER; BOILER, STEAM GENERATOR TYPE, SIZE ANY, ANY SHAPE, ANY METAL, 32-SAMSS-021	Static Equipment

Sourcing List (Rotating Equipment)

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#	9COM	Description	Full Description	Commodity
1	6000000722	TRANSMISSION: VARIABLE SPEED	COUPLING SHAFT; STYLE ANY, ANY BORE, 13-SAMSS-001, API 613, HYDRAULIC OR PERMANENT MAGNET, VARIABLE OR ADJUSTABLE SPEED, WITH OR WITHOUT GEAR, WHEN GEARED ROTORS USED SHALL COMPLY WITH 13-SAMSS-001 AND API-613.	Rotating Equipment
2	6000002338	COMPRESSOR; DRY-SCREW, FOR AIR SERVICE	COMPRESSOR; DRY-SCREW TYPE, 31-SAMSS-002, FOR AIR SERVICE	Rotating Equipment

Sourcing List (Electrical)

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#	9COM	Description	Full Description	Commodity
1	600000774	TRAY; CABLE, FIBERGLASS	TRAY; CABLE TYPE,FIBERGLASS,NEMA FG-1,SAES-P-104 SEC. 9	Electrical
2	600000841	CIRCUIT BREAKER; AIR; 480 V; LOW VOLTAGE	CIRCUIT BREAKER AIR; ANY POLE,480 V,LOW VOLTAGE POWER TYPE,FRAME ANY,40 DEG C AMBIENT,FOR INDOOR,16-SAMSS-502	Electrical
3	600000882	TRANSFER SWITCH; AUTOMATIC, INDOOR, LV	SWITCH TRANSFER; 600V MAX,AUTOMATIC AND NON-AUTOMATIC ACTION,COMPLETELY ENCLOSED AND OPEN TRANSFER SWITCHES AND INTENDED FOR USE IN OTHER EQUIPMENT SUCH AS CONTROLGEAR AND SWITCHBOARD POSITION,AUTOMATIC TYPE,FOR INDOOR,16-SAMSS-521,LOW VOLTAGE	Electrical
4	600000903	SWITCH; DISCONNECT; HIGH VOLTAGE;	SWITCH DISCONNECT; HIGH VOLTAGE,ANY ACTION,ELECTRICAL TYPE,30-TMSS-01	Electrical
5	600000999	FORM-WOUND BRUSHLESS SYNCH. MOTOR	MOTOR SYNCHRONOUS; 500 HP MINIMUM POWER,4000 V MINIMUM,3 PHASE PHASE,HORIZONTAL MOUNTING,17-SAMSS-520	Electrical
6	6000012401	OHL COMPOSITE INSULATOR FOR T & D	INSULATOR TRANSMISSION & DISTRIBUTION; OHL COMPOSITE TYPE,UP TO 230 KV ELECTRICAL RATING,15-SDMS-02,15-TMSS-5	Electrical
7	6000014870	POLE LINE; POWER TRANSMISSION, 69 KV	POLE LINE; POWER TRANSMISSION TYPE,ANY LG,TAPERED TUBULAR STEEL SHAPE,GALVANIZED STEEL,SEC 20-TMSS-02,RATED 69 KV AND UP.	Electrical
8	6000015902	UNIT; MOBILE SUBSTATION	UNIT; MOBILE SUBSTATION TYPE,TMSS-01,35-TMSS-1,TMSS-10,46-TMSS-6,TMSS-1,31-TMSS-2,TMSS-2,32-TMSS-3,51-TMSS-1,37-TMSS-1,TMSS-03,11-SDMS-03,54-TMSS-1,MOBILE SUBSTATION AS PER ATTACHED TECHNICAL SPECIFICATION, BASED ON SEC STANDARDS.#SCOPE INCLUDES BUT IS NOT LIMITED TO THE FOLLOWING: ENGINEERING, DESIGN,MANUFACTURING, ASSEMBLING, FACTORY TESTING, DELIVERY TO KSA, MINISTRY OF TRANSPORT APPROVAL, DOCUMENTATION,#SPARE PARTS CATALOGUE, SUPPLY OF CRITICAL SPARE PARTS FOR COMMISSIONING, SITE PRE-COMMISSIONING.#	Electrical
9	6000016991	UNIT; MOBILE SUBSTATION; 69KV AND BELOW	UNIT; MOBILE SUBSTATION TYPE,OPERATING AT 69KV AND BELOW	Electrical
10	6000017680	COATING, ELECTRICAL INSULATORS, HIGH VOL	COATING; ELECTRICAL INSULATORS TYPE,FOR HIGH VOLTAGE,SILICON	Electrical
11	6000018420	MACHINE; TRANSFORMER FLUID TREATMENT	MACHINE; TRANSFORMER FLUID TREATMENT TYPE,26-SAMSS-059, IEC 60292-1 IEC 60292-2, IEC 60296 IEC 60529, EN 60204-1 ASTM D3487 PNEUROP 6606-1981 - DIN 28403	Electrical
12	6000018430	REACTOR; AIR CORE, 4.16KV UP TO 380KV	REACTOR; AIR CORE SERIES TYPE,4.16KV UP TO 380KV RATING,SAES-P-116,58-TMSS-02,FOR CURRENT LIMITING (DAMPING) IN SERIES WITH SHUNT CONNECTED CAPACITOR UNITS 4.16KV UP TO 380KV	Electrical

Sourcing List (Cathodic Protection)

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#	9COM	Description	Full Description	Commodity
1	6000000940	ANODE; GALVANIC; ALUMINUM, WITH LEAD; CP	ANODE GALVANIC; ALUMINUM, WITH LEAD,17-SAMSS-006,CATHODIC PROTECTION	Cathodic Protection
2	6000001011	POWER SUPPLY;ELECTRICAL;SOLAR,CP	POWER SUPPLY ELECTRICAL; CATHODIC PROTECTION POWER SUPPLY ELECTRICAL SOLAR POWER TYPE,ANY POWER RATING ,ANY VOLTAGE RATING,17-SAMSS-012	Cathodic Protection
3	6000001014	CP,POWER SUPPLY;RECTIFIER;IMPRESSED CURR	RECTIFIER IMPRESSED CURRENT; CATHODIC PROTECTION TYPE, PHASE CONTROL, ANY OUTPUT RATING,17-SAMSS-005	Cathodic Protection
4	6000001040	ANODE GALVANIC;MAGNESIUM,WITHOUT LEAD,CP	ANODE GALVANIC; MAGNESIUM,17-SAMSS-006,CATHODIC PROTECTION WITHOUT LEADS	Cathodic Protection
5	6000015510	ANODE;GALVANIC,HIGH TEMPERATURE ZINC,CP	ANODE GALVANIC; HIGH TEMPERATURE ZINC,17-SAMSS-006,CATHODIC PROTECTION	Cathodic Protection

Sourcing List (Instrumentation & IT)

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#	9COM	Description	Full Description	Commodity
1	6000001582	CONTROLLER; ELECTRONIC;COMPRESSOR	CONTROLLER; COMPRESSOR INCLUDING SURGE CONTROL TYPE,ANY RANGE,SPECIALIZED CONTROL SYSTEMS	Instrumentation & IT
2	6000002655	ANALYZER; BOTTOM SEDIMENT AND WATER;	ANALYZER; BOTTOM SEDIMENT AND WATER TYPE,ANY RANGE,TO BE USED FOR LIQUID SERVICE APPLICATION ONLY NOT IN MULTI-PHASE SERVICE	Instrumentation & IT
3	6000002677	FLOWMETER; ANNUBAR; PITOT TUBE;	FLOWMETER; ANNUBAR, PITOT TUBE TYPE	Instrumentation & IT
4	6000002689	CALIBRATION GAS CYLINDER FOR GAS MONITOR	CYLINDER; CALIBRATION GAS TYPE,ANY SIZE ,ANY MATERIAL,FOR COMBUSTIBLE & TOXIC GAS MONITORS ONLY	Instrumentation & IT
5	6000002739	FLOWMETER; VORTEX; VORTEX SHEDDING;	FLOWMETER VORTEX; SHEDDING TYPE,ANY OPERATIN,34-SAMSS-010	Instrumentation & IT
6	6000002764	INSTRUMENT; LEVEL; RADIATION TYPE;	INSTRUMENT; LEVEL TYPE, RADIATION TYPE	Instrumentation & IT
7	6000002786	MONITOR; GAS; HYDROGEN SULFIDE;	MONITOR GAS; HYDROGEN SULFIDE,ANY RANGE,34-SAMSS-514	Instrumentation & IT
8	6000002810	REGULATOR; PRESSURE OR FLOW;	REGULATOR; PRESSURE OR FLOW TYPE	Instrumentation & IT
9	6000002822	GAUGE; RADAR; TANK GAUGING;	GAUGE; RADAR TYPE,ANY RANGE,34-SAMSS-319,TANK GAUGING EQUIPMENT FOR INVENTORY TANK USE ONLY.	Instrumentation & IT
10	6000002886	GAUGE; LEVEL; GLASS;	GAUGE LEVEL; GLASS TYPE,34-SAMSS-010,WITH BACKFLOW PREVENTER VALVE OR CHECK VALVE AS ASSEMBLY IF REQUIRED.	Instrumentation & IT
11	6000002914	ANALYZER; GAS CHROMATOGRAPH; Sheltered	ANALYZER; GAS CHROMATOGRAPH TYPE,ANY RANGE,34-SAMSS-510,PROCESS GAS OR LIQUID	Instrumentation & IT
12	6000009832	CUSTODY METER, POS DISPL , LIQUID	FLOWMETER POSITIVE DISPLACEMENT; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-118	Instrumentation & IT
13	6000009893	CUSTODY AUTOMATIC SAMPLING, LIQUID	SAMPLER; CUSTODY TRANSFER TYPE,34-SAMSS-525	Instrumentation & IT
14	6000009906	CUSTODY PRESET CONTL, TRUCK LOAD&UNLOAD	COMPUTER FLOW; CUSTODY PRESET CONTROLLER TYPE,34-SAMSS-847,FOR TRUCK LOADING AND UNLOADING SYSTEMS	Instrumentation & IT
15	6000010782	CONTROLLER; SMART VALVE POSITION TYPE	CONTROLLER; SMART VALVE POSITION TYPE,ANY RANGE,34-SAMSS-634,FOR USE WITH EMERGENCY SHUTDOWN VALVES.	Instrumentation & IT
16	6000014531	MPFM FOR GAS FIELD APPLICATION	FLOWMETER; MULTIPHASE FLOWMETER TYPE,34-SAMSS-001,FOR GAS,FLOW RATE MEASUREMENT	Instrumentation & IT
17	6000014893	FIBER OPTIC SENSING PLDS	DETECTOR LEAK; FIBER OPTIC TYPE,FOR PIPELINE,SAES-Z-003,THE FIBER OPTIC CABLE SENSING METHOD ANALYSES THE HEAT/TEMP AND THE CONDUCTIVITY OF THE CABLE TO DETECT THE LEAK OCCURS. FOR PIPELINE LEAK DETECTION SYSTEM (PLDS) APPLICATIONS.	Instrumentation & IT

Sourcing List (Custody Measurement)

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#	9COM	Description	Full Description	Commodity
1	6000009831	CUSTODY METER, TURBINE, LIQUID	FLOWMETER TURBINE; CUSTODY TRANSFER LIQUID TYPE,ANY,34-SAMSS-117	Custody Measurement
2	6000009898	CUSTODY CHROMATOGRAPH, GAS OR LIQUID	CHROMATOGRAPH PROCESS; FOR CUSTODY TRANSFER CHROMOTOGRAPHY SERVICE,ANY DETECTOR,ANY CARRIER GAS,34-SAMSS-510	Custody Measurement
3	6000009900	CUSTODY FLOW COMPUTER, GAS, PANEL-MNTD	COMPUTER FLOW; PANEL MOUNTED TYPE,34-SAMSS-846,FOR GAS CUSTODY TRANSFER	Custody Measurement

Sourcing List (Nonmetallic)

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#	9COM	Description	Full Description	Commodity
1	6000000037	PIPE & FITTINGS; NONMETALLIC, SUBSEA	PIPE METALLIC, ANY NOMICAL SIZE, ANY WALL THK(SCH) / BASE MATERIAL: PE, PEX, PA, PVDF, PEEK / FLEXIBLE PIPE / COATING(LINING): LINER, INTERMEDIATE LAYERS AND OUTER SHEATHING STRUCTURE / API 17J / APPLICATIONS: ONSHORE OFFSHORE WATER AND HYDROCARBON APPLICATIONS, REINFORCEMENT: STEEL AND FIBER	Nonmetallic
2	6000000042	PIPE & FITTINGS ;NONMETALLIC, RTP PIPE	PIPE NON-METALLIC; MAXIMUM 8 INCHES NPS,REINFORCED THERMOPLASTIC (RTP),INTERNAL / EXTERNAL LINING THERMOPLASTIC(PE,PE- RT, PP PA,PVDF), PREFABRICATED SPOOL ENDS,FOR WATER AND HYDROCARBON APPLICATIONS MAX TEMP 180 F.SERVICE,API RP 15S,ONSHORE / OFFSHORE WATER AND HYDROCARBON APPLICATIONS	Nonmetallic
3	6000001430	FLOAT COLLAR; FOR MARINE HOSE	BEADS; SIZE ANY,NATURAL OR SYNTHETIC RUBBER SPONGE, POLYVINYL CHLORIDE FOAM, POLYETHYLENE FOAM OTHER SUITABLE MATERIAL.,FLOAT COLLAR FOR MARINE HOSES UNIT. 22-SAMSS-004, HOSE FLOATATION	Nonmetallic
4	6000013900	PIPE & FITTINGS; NONMETALLIC; PTFE&PFA	PIPE NON-METALLIC; SIZES RANGES FROM NPS 1 TO 20 NPS,ASME/ANSI CLASS 150 AND 300 SUPPLY,CARBON STEEL,FLANGED PIPE&FITTINGS SYSTEM, HEAVY DUTY PTFE & PFA LINED,01-SAMSS-025,CORROSIVE FLUIDS INCLUDING ACIDS AND ALKALINE SOLUTIONS SUCH AS HYDROCHLORIC ACID, NITRIC ACID, PHOSPHORIC ACID, CHLORINE/WATER, HYDRAULIC OIL, HYPOCHLORITE (SODIUM OR CALCIUM), SODIUM HYDROXIDE (CAUSTIC SODA), WATER, SEA/SALINE, WATER, AERATED AQUIFER, DESALINATION BRINE, PRODUCED WATER, DISPOSAL SALT, WATER BRINE.	Nonmetallic
5	6000017130	FIRE-RETARDANT RTR	PIPE NON-METALLIC; ANY NPS,ANY,01-SAMSS-034, SAES-B-017, ISO14692,PIPE & FITTING, FIRE-RETARDANT NONMETALLIC RTR FOR ABOVE GROUND FIREWATER SYS. EPOXY BASED REINFORCED THERMOSETTING RESIN PRESSURIZED PIPE. FILAMENT WOUND MANUFACTURING PROCESS WITH ADDITIONAL FIRE RETARDANT LAYER FOR ABOVEGROUND FIREWATER PIPING SYSTEMS (RAW/FIRE COMBINED WATER SYSTEM AND DEDICATED FIREWATER SYSTEM) IN ACCORDANCE WITH FM 1614. FIRE PERFORMANCE CLASSIFICATION AS PER ISO 14692-2 SECTION 6.5.2.	Nonmetallic
6	6000017500	UNIT, 3D PRINTED PARTS FOR CRITICAL APP.	UNIT; SAEP-411,ANY METALLIC AND NONMETALLIC 3D PRINTED PARTS COMPONENTS FOR CRITICAL APPLICATIONS AS DEFINED IN SAEP-411	Nonmetallic

Sourcing List (HVAC)

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#	9COM	Description	Full Description	Commodity
1	6000001823	AIR CONDITIONING UNIT; PACKAGED UNIT TRA	AIR CONDITIONING UNIT; PACKAGED UNIT TRAILERIZED TYPE,AIR COOLED,R-22 OR R-134A REFRIGERANT,MANUFACTURER STANDARD	HVAC
2	6000001828	CHILLER; WATER; PACKAGED WATER COOLED FO	CHILLER WATER; PACKAGED WATER COOLED FOR UTILITY APPLICATIONS TYPE,ANY NOMINAL CAPACITY,CENTRIFUGAL COMPRESSOR TYPE,R-134A REFRIGERANT,27-SAMSS-001,AHRI-550/590 ASHRAE 90.1	HVAC
3	6000001838	CONTROLLER; PROGRAMMABLE LOGIC; ENERGY M	CONTROLLER PROGRAMMABLE LOGIC; ANY MAXIMUM INPUT POINTS,ANY MAXIMUM OUTPUT POINTS,SAES-K-011,UL-916, ASHRAE 135,ENERGY MANAGEMENT SYSTEM: BUILDING	HVAC
4	6000001846	HEATER; DUCT; ELECTRIC;	HEATER DUCT; ELECTRIC ELEMENT TYPE,ANY WATTAGE RATING	HVAC
5	6000001860	DAMPER ; VALVE BLAST FOR HVAC SYSTEM	PREVENTER BACKFLOW; VALVE AND DAMPER TYPE,ANY NOMINAL PIPE SIZE,ANY RATED FLOW,ASTM-1642-04,GSA-TS01-2003, UFGS-23-33-56,VALVE AND DAMPER: BLAST PROTECTION FOR AC AND VENTILATION	HVAC
6	6000001862	A/C UNIT;SPLIT; DIRECT EXP,5.5 TO 63 TONS	AIR CONDITIONING UNIT; AIR CONDITIONING UNIT SPLIT UNIT DIRECT EXPANSION TYPE,SIZES 5.5 TO 63 COOLING TONNAGE NOMINAL COOLING CAPACITY,AHRI 340/360,UL1995,EER VALUE SHALL BE IN ACCORDANCE WITH THE EER TABLE IN SAES-K-001.	HVAC
7	6000002404	TOWER; COOLING; WATER;	TOWER COOLING; WATER TYPE,27-SAMSS-003,ASHRAE 90.1	HVAC
8	6000012733	CHILLER: ABSORPTION; WATER COOLED	CHILLER; ANY TYPE,ANY SUPPLY,AHRI 560,UL-1995 ASHRAE90.1,ABSORPTION, SUSTAINABLE, HIGH EFFICINCY, COMPRESSOR-LESS, WATER COOLED DIRECT FIRED OR EXCESS/WASTE STEAM/HEAT FOR HVAC APPLICATION.	HVAC
9	6000013330	FILTER, AIR, CHEMICAL	FILTER; ANY TYPE,FOR AIR AND CHEMICAL SERVICE,ISA 571.04,ASTM-D6646 OR ASHRA	HVAC
10	6000013331	FILTER, AIR, HEPA	FILTER; ANY TYPE,FOR AIR, HEPA,UL-586	HVAC
11	6000013332	AIR HANDLING UNIT; CHILLED WATER	AIR HANDLING UNIT; CHILLED WATER,ASHRAE-127,UL-1995,PRECISION COOLING FOR CONTROL, COMMUNICATION AND DATA PROCESSING ROOMS	HVAC
12	6000013333	AIR CONDITIONING UNIT; SPLIT	AIR CONDITIONING UNIT; SPLIT TYPE,DIRECT EXPANSION COOLING METHOD,R-22 OR R-134A REFRIGERANT,ASHRAE-127,UL-1995,PRECISION COOLING FOR CONTROL, COMMUNICATION, AND DATA PROCESSING	HVAC
13	6000013337	HOOD; FUME, COMMERCIAL COOKING	HOOD; FUME, COMMERCIAL COOKING TYPE,ANSI/ASHRAE 154	HVAC
14	6000013339	HOOD; FUME, LABORATORY	HOOD; FUME, LABORATORY TYPE,ANSI/ASHRAE 110,UL-1805	HVAC
15	6000014524	HUMIDIFIER: HVAC; DUCTED	HUMIDIFIER; ELECTRIC, GAS, OR HOT WATER COMMERCIAL/INDUSTRIAL TYPE,ANY CAPACITY,110 VAC - 460 VAC, 60 HZ ELECTRICAL RATING,ANSI/AHRI-640,ANSI/AHRI-640 CERTIFICATE	HVAC
16	6000016831	FIRE AND GAS DAMPER (OFFSHORE)	DAMPER; FIRE & GAS DAMPER-OFFSHORE TYPE,SIZE VARIES,STAINLESS STEEL 316L SHEET OR BETTER,INTERNATIONAL MARITIME ORGANIZATION [IMO] & SAFETY OF LIFE AT SEA [SOLAS] EN 1751,FIRE & GAS DAMPER FOR OFFSHORE [FGD-O] APPLICATIONS SHALL CONFORM TO THE FOLLOWING: #1)APPROVED 3RD-PARTY CERTIFICATE TO INTERNATIONAL MARITIME ORGANIZATION [IMO] AND SAFETY OF LIFE AT SEA [SOLAS]. #2)FGD-O SHALL BE CONSTRUCTED AND ASSEMBLED IN ITS ENTIRETY AT FACTORY, INCLUDING ACTUATOR, INSULATION AND APPURTENANCES. #3)FGD-O SHALL BE CLASS 3 TYPE IN ACCORDANCE WITH EN 1751, MULTI-LEAF, OPPOSED BLADE TYPE COMPLETE WITH OPERATING CONTROLS AND INCORPORATING SPRING SIDE SEALS. #4)FGD-O CONSTRUCTION INSIDE BATTERY ROOMS SHALL BE CONSTRUCTED OF STAINLESS STEEL 316L SHEET OR BETTER. #5)ALL BLADES SHALL BE TOTALLY ENCLOSED WITHIN THE CASING WITH THE FGD-O IN THE FULLY OPEN POSITION. #6)FGD-O CLOSING TIME SHALL NOT BE GREATER THAN 3 SEC. #7)FGD-O SHALL BE EQUIPPED WITH FUSIBLE LINKS THAT ARE RATED FOR TEMPERATURES AS PER SOLAS/IMO. #8)LOCAL VISUAL INDICATION OF FGD-O OPEN OR CLOSE STATUS SHALL BE PROVIDED BY A VISIBLE POINTER. #9)ENGRAVED NAMEPLATES SHALL BE MECHANICALLY FIXED TO EACH FGD-O WHICH SHALL INDICATE, INFORMATION THAT INCLUDE, BUT NOT LIMITED TO THE FOLLOWING: #A) MANUFACTURER NAME #B) SERIAL NUMBER#C) TAG NUMBER#D) PROJECT REFERENCE#E) YEAR OF MANUFACTURE#F) AIRFLOW#G) SIZE#H) WEIGHT#I) FIRE RATING #J) DIRECTION OF AIRFLOW.#	HVAC

Sourcing List (Fire)

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#	9COM	Description	Full Description	Commodity
1	6000001301	DETECTOR; FIRE PROTECTION; SMOKE, HEAT	DETECTOR FIRE PROTECTION; SMOKE, HEAT, RADIANT ENERGY DETECTORS TYPE,UL-LISTED,FM-APPROVED NFPA 70,NFPA 72 (LAST ED) AND SAES-M-100,INCLUDE LINEAR, SPOT-TYPE, PROJECTED BEAM, IR/IR/IR, LASER, AIR-SAMPLING DETECTORS,#FIRE ALARM CONTROL PANELS, PULL STATIONS AND NOTIFICATION DEVICES. THE FIRE #ALARM/DETECTION COMPONENTS AND/OR FIRE ALARM/DETECTION SYSTEM SHALL HAVE AN #ADDRESSABLE PERFORMANCE OF CLASS A (SLC) AND CLASS A (NAC) WITH PATHWAY SURVIVABILTY #LEVEL 2. FOR INDUSTRIAL AND COMMERCIAL APPLICATIONS ONLY	Fire
2	6000001304	UNIT: MOBILE FIREWATER SUPPLY	UNIT; MOBILE FIRE WATER SUPPLY SYSTEM TYPE,FULLY INTEGRATED ENGINEERED MOBILE FIREWATER SUPPLY SYSTEM SUCH AS SUBMERSIBLE PUMP SYSTEM, PORTABLE FIRE PUMP SKID PACKAGE, OR TRAILER MOUNTED PACKAGE (CONSISTING OF DIESEL DRIVE ENGINE, PUMP, HOSES, OIL SYSTEM, TANK, ELECTRICAL SYSTEM ENCLOSED IN A CONTAINER), THE CENTRIFUGAL PUMP IS 316 SS, DUPLEX STEEL, OR BETTER, IMPELLER/PUMP CASING/SHAFT UL/FM LISTED/APPROVED AND COMPLIES WITH THE MOST RECENT EDITION OF NFPA 20	Fire
3	6000001310	HYDRANT; FIRE; CASTED; 6 IN INLET	HYDRANT FIRE; 6 IN INLET,PR 200 PSI WP,UL OR/AND FM,COMPLYING WITH 21-SAMSS-15. WITH OR WITHOUT FIRE MONITOR FLANGE. WITH OR WITHOUT BREAKABLE FLANGE CHECK VALVE ASSEMBLY .FOR BREAKABLE FLANGE VALVE SEPARATELY. PURCHASE ORDER MUST SPECIFY THE OPTIONS AS PER 21-SAMSS-15.	Fire
4	6000001314	MONITOR; FIRE FIGHTING; HYDRANT-MOUNTED	MONITOR; FIREFIGHTING, HYDRANT-MOUNTED MANUALLY OPERATED TYPE,ANY RANGE,MEETING 21-SAMSS-16,INDUSTRIAL MONITOR SYSTEM, WILL BE INSTALLED ON#9COM 6000001310	Fire
5	6000001380	VALVE; FIRE WATER/PROTECTION SYSTEMS	VALVE; FIRE FIGHTING WATER SYSTEMS TYPE,SIZE ANY,AA UL/FM LISTED/APPROVED,INCLUDE POST INDICATOR VALVES (PIV), CHECK, SECTIONAL VALVES, OUTSIDE STEM & YOLK#(OS&Y), GATE OR BUTTERFLY VALVES, WALL POST INDICATOR VALVES (WPIV), CONTROL VALVES,#ALL VALVES MUST BE INDICATING, COMPLIES WITH NFPA, EXTERNAL COATING MUST BE CERTIFIED FOR C5-I/C5-M PER ISO 12944-6 BY 3RD PARTY LAB. IM2/IM3 3RD PARTY LAB CERTIFICATION IS ADDITIONALLY REQUIRED IF VALVE IS IMMERSED/BURIED. MANUFACTURER'S STANDARD COATING CAN BE MAINTENANCE COATED BY SAUDI ARAMCO APCS CONFIRMED BY LETTER. INTERNAL COATING MUST BE RATED FOR USE IN STAGNANT SEAWATER FOR EXTENDED PERIODS. VALVE CONSTRUCTION MATERIAL SHALL BE AS PER SAES-L-108 TABLE 1 SALINE ENVIRONMENT CLASSIFICATION (EXCLUDING NOTE #22) SEE SAES-L-108 TABLE 4-B FOR SPECIFIC ALLOYS. ALL VALVES SHOULD BE PREPARED AND SHIPPED FOLLOWING MANUFACTURER'S RECOMMENDATIONS FOR OUTSIDE LONG TERM STORAGE IN CORROSIVE, HOT, AND HUMID ENVIRONMENT, CONTACT FRPD RSA FOR DETAILS.	Fire
6	6000002696	PANEL; CONTROL; FIRE PUMP;	PANEL CONTROL; FIRE PUMP TYPE,UL 218 LISTED,FOR DIESEL/ELECTRICAL FIRE PUMP CONTROLLERS PANELS SHALL BE LISTED FOR +50 DEG CELSIUS, ENCLOSURE MUST BE NEMA 250/NEMA TYPE 4 FOR ONSHORE AND NEMA TYPE 4X FOR OFFSHORE AND NEAR SHORE ENVIRONMENT OUTDOOR WITH SHELTER INSTALLATION, INDOOR WITH AIR-CONDITIONED INSTALLATIONS ARE ALLOWED TO BE ONLY UL 218 LISTED WITHOUT 50 DEG/NEMA 4/4X ENCLOSURE, ALL PANELS MUST BE CAPABLE OF PROVIDING THE PUMPS SEQUENCING FUNCTIONS IN SAES-B-017 / SAES-P-116	Fire
7	6000017250	SUPPRESSOR, FIRE PROTECTION, WET CHEMICA	SUPPRESSOR; FIRE PROTECTION, WET CHEMICAL SYSTEM FOR COMMERCIAL COOKING EQUIPMENT TYPE,UL 300 LISTED,FIRE EXTINGUISHING SYSTEMS FOR,ALL COMPONENTS INCLUDING AGENT CYLINDERS, INSTRUMENTATION, FUSIBLE LINKS, INITIATING DEVICES, WET CHEMICAL, EXPELLANT GAS, PENUMATIC RELEASE, ACTIVATION MECHANISM, CONTROL EQUIPMENT FOR POWER/GAS, COVERS, CONTROL PANELS.	Fire
8	6000014422	MONITOR; FIREFIGHTING, REMOTE CONTROL TYPE,ELECTRICALLY OPERATED	MONITOR; FIREFIGHTING, REMOTE CONTROL TYPE,ANY RANGE,ELECT OR HYDRAULIC OPERATED SUPPLY,MEETING 21-SAMSS-16,FULL SYSTEM FULL CONTROL INDUSTRIAL APPLICATIONS MEETING PROJECT SPECS	Fire

Sourcing List (Environmental)

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#	9COM	Description	Full Description	Commodity
1	6000008582	Water Treatment & Desalination Membranes	MEMBRANE; WATER TREATMENT & DESALINATION MEMBRANES TYPE, MEMBRANES FOR WATER PURIFICATION. SERVICE: WATER TREATMENT. TYPES: RO MEMBRANES AND BRACKISH WATER. MATERIAL: POLYAMIDE, CELLULOSE ACETATE/CELLULOSE TRIACETATE SPIRAL WOUND, HOLLOW FINE FIBER DIAMETER, NANO MEMBRANES: FOR SEAWATER AND BRACKISH WATER. MATERIAL: POLYSULFONE, CELLULOSE ACETATE, THIN FILM COMPOSITE SPIRAL WOUND, HOLLOW FIBER/CAPILLARY. CLASSIFICATION: WATER DESALINATION, WATER TREATMENT CONFIGURATION: FOR SEAWATER SIZE: 4/8/10 INCH, MEMBRANE REVERSE OSMOSIS	Environmental

Sourcing List (Safety)

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#	9COM	Description	Full Description	Commodity
1	6000018110	FENCE, RIGID WELDED MESH (RWM), 3 METERS	FENCE; RIGID WELDED MESH (RWM) FENCE TYPE,AS PER SAES-O-202 REQUIREMENTS	Safety