



**TRINIDAD AND TOBAGO ELECTRICITY COMMISSION  
DISTRIBUTION DIVISION  
CONTRACTOR PREQUALIFICATION COMMITTEE**

**WORK CLASS DEFINITIONS**

**Work Group 1000 – ELECTRICAL SERVICES**

CLASS	NAME & DESCRIPTION
<b>1030</b>	<b>CABLE INSTALLATION, JOINTING &amp; TERMINATING</b> Covers trench excavations, laying of ducts, pull boxes, man-holes, cable tray and conduit works for and including power cable installation, removal, laying of electrical cables to specification, and maintenance inclusive of jointing and terminating of paper insulated, cross link polyethylene, etc. single core or multi- core cables rated up to 66kV. Also includes cable testing and provision of test certificates.
<b>1032</b>	<b>FIBRE OPTIC CABLE INSTALLATION &amp; MAINTENANCE</b> Includes the installation, splicing, termination and removal of overhead and underground fibre optic and other communications cables.
<b>1033</b>	<b>PILOT CABLE INSTALLATION, JOINTING, TERMINATION &amp; REMOVAL</b> Includes the installation, jointing, termination and removal of overhead and underground pilot cable. Also includes overhead stringing and tensioning.
<b>1050</b>	<b>INDUSTRIAL (600V)</b> Includes the procurement and/or installation and maintenance of electrical distributing systems at power plants, substations, switch rooms, etc and includes equipment such as distribution cables, switchgear, transformers, protective equipment, battery chargers, fans, motors and starters, lighting etc. The supply may be single phase or three phase low/medium voltages (up to 600 volts).
<b>1055</b>	<b>INDUSTRIAL (12kV)</b> Includes the procurement and/or installation and maintenance of indoor or outdoor electrical distributing systems at power plants, substations, switch rooms, etc and includes equipment such as cables, switchgear, transformers, protective equipment, battery chargers, fans, motors and starters, lighting etc. The supply may be single phase or three phase low, medium or high voltages (up to 12,000 volts).
<b>1057</b>	<b>ELECTRICAL INSTALLATION &amp; MAINTENANCE (ABOVE 12kV)</b> Includes the procurement and/or installation and maintenance of indoor or outdoor electrical equipment at power plants, substations, switch rooms, etc and includes equipment such as cables, switchgear, transformers, protective equipment etc.
<b>1058</b>	<b>TRANSFORMER REPAIRS UP TO 220 kV</b> Includes but not limited to cleaning, sandblasting, oil leak repairs, painting, oil filter & vacuum, Dissolved Gas Analysis testing.
<b>1060</b>	<b>TRANSFORMER &amp; MOTOR REPAIRS (UP TO 600V)</b> Covers dismantling, inspecting components, checking fits, testing winding, carrying out service and repairs including balancing of rotor, assembly and test run of motors (up to 600 volts). Also covers removal of defective coils and windings, procurement and replacement to original specifications including connections and testing (up to 600 volts).

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>1070</b>	<b>OVERHEAD LINE CONSTRUCTION &amp; MAINTENANCE (UP TO 12kV)</b> Includes installation and maintenance of poles, cross arms, insulators, conductors and fittings, guys, air break switches, fuse cutouts, pole mounted transformers, capacitors etc.
<b>1071</b>	<b>DISCONNECTION / RE-CONNECTION FOR NON-PAYMENT OF ACCOUNT AT METER BASE ONLY</b> Restricted to domestic customers with single phase three wire or single phase two wire low voltage supplies less than 650 Volts. It includes the verification of meter numbers, recording meter reading and seal numbers, the removal of meters under energized conditions using approved tools and PPE, installation of disconnect sleeves, measuring and recording voltages and confirming that they are within limits and the reinstalling of meter/s and associated fittings.
<b>1072</b>	<b>DISCONNECTION/RE-CONNECTION FOR NON-PAYMENT OF ACCOUNT AT THE POLE</b> Restricted to domestic customers with single phase three wire or single phase two wire low voltage installations less than 650 Volts whose premises/meter are inaccessible. It includes ascending pole using ladder or bucket truck and using a bolt cutter or pliers to cut & disconnect the phase conductors of the service connection wire at the pole end while maintaining phase conductor identification. It also includes securing ends of triplex with insulating tape and using approved Voltmeter to measure, record and verify voltages at the pole. Wire brush the conductors and connect to LV conductors under energized conditions while measuring and recording voltage and confirming they are within the statute limits in meter base. Finally, it includes installing meter, meter ring and meter seal and documenting meter reading and seal numbers.
<b>1073</b>	<b>OVERHEAD LINE CONSTRUCTION &amp; MAINTENANCE (ABOVE 12 kV)</b> Includes installation and maintenance of poles, towers, cross arms, insulators, conductors and fittings, guys and switches.
<b>1074</b>	<b>INSTALLATION OF NEW DOMESTIC CONNECTIONS (DIRECT CONNECTION OR VIA PRIVATE POLES OR PRIVATE POLES WITH METER BASE AND CONSUMER'S ENTRANCE CABLE</b> This work class is restricted to domestic customers with single phase three wire low voltage supplies less than 650 Volts. It includes making checks on the customer's installation to confirm there are no bridges or condition of the electrical installation which may deem it as unfit for connection despite the presentation of an inspection certificate. To ensure there are no external sources of supply continuity between phase or neutral terminals of meter base and to ensure customer's main switch is in the <u>OFF</u> position. This work class also include inspection of customer's Point of Entrance, private pole or super structure, ascending T&TEC Pole, customer's private pole using ladders or Bucket Truck. It also includes the installation and anchoring of Triplex conductor at Point of Entrance, Private Pole or Super Structure under energised conditions and ensuring that triplex conductor is installed in such a manner that all standard clearance requirements are met. Finally, it includes confirming and recording voltage within the statute limits and installing meter, ring and meter seal and recording meter reading and seal numbers.
<b>1076</b>	<b>TRANSMISSION OVERHEAD LINE CONSTRUCTION &amp; MAINTENANCE (33 kV &amp; ABOVE)</b> This work class covers the construction of pole/tower foundations, erection of towers/mono-columns (lattice type support structure), installation of 17m, 21m and 27m poles, framing of all the different support structure to accommodate the various line hardware assemblies including tension and suspension sets. This class also covers the installation of line hardware assemblies (including dampers), air-craft marker balls, insulators, conductors (OPGW, AAAC, ACSR, ACSR/AW, ACSS and ACSS/AW), guys and switches whose nominal operating voltage are 33kV and above.

**Work Group 1000 – ELECTRICAL SERVICES**

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>1077</b>	<b>INSTALLATION &amp; MAINTENANCE OF COMMUNICATIONS EQUIPMENT</b> Includes the installation and maintenance of telephone, fibre, radio and video surveillance equipment and associated accessories.
<b>1090</b>	<b>AC/DC GENERATORS SERVICES</b> Includes the supply or rental, installation and maintenance of standby generators and ancillary equipment.

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>2020 BUILDING CONSTRUCTION</b>	Covers the construction of industrial (substation, workshops etc.) and non-industrial buildings using timber, masonry, reinforced concrete, structural steelwork or other approved construction materials and the provisions of building accessories and appurtenances e.g. electrical systems, air-conditioning and plumbing etc.
<b>2023 BUILDING MAINTENANCE</b>	<p>Includes all maintenance to buildings such as:</p> <ul style="list-style-type: none"><li>a) Repairs, replacement and installation of new plumbing fixtures and service lines.</li><li>b) Repairs, replacement, modifications and extensions to substructure/superstructure.</li><li>c) Surface preparation and painting.</li><li>d) Installation and repair of connections to gas cylinders.</li><li>e) Repairs, replacements, modification and installation of new fixtures and finishes.</li></ul>
<b>2024 LIFT AND ELEVATOR SYSTEMS</b>	Includes the installation, commissioning, inspection, testing, certification, maintenance and repairs of elevators and associated equipment.
<b>2030 FABRICATION &amp; WELDING - NON INDUSTRIAL</b>	Covers minor fabrication and welding including the use of cutting tools and equipment.
<b>2040 INDUSTRIAL PAINTING INCLUDING BLASTING</b>	Includes surface preparation and painting using hand tools and wet or dry abrasive cleaning equipment (e.g. sand blasting/water blasting).
<b>2050 REINFORCED CONCRETE WORKS</b>	<p>Covers temporary works, steel works, concrete works and finishes. Work would include the following:-</p> <ul style="list-style-type: none"><li>a) Earthworks, including piling in surface or sub surface soil or rock.</li><li>b) Fabrication and installation of reinforcement as per design specifications.</li><li>c) Mixing, pouring and finishing of concrete including the use of special admixtures and curing agents.</li><li>d) Sampling and provision of strength test results.</li><li>e) Grouting and levelling of equipment bases.</li></ul>
<b>2070 INSTALLATION &amp; MAINTENANCE OF COMMUNICATIONS TOWERS</b>	Includes the construction and assembly of towers with ladders or equivalent means to safely ascend or descend, plinth / footings, members and anchorage for fall arrest systems. Also includes the inspection and repair of towers.
<b>2080 SCAFFOLDING SERVICES</b>	Covers the supply, assembly and erection of scaffolding including provisioning of anchoring points, certification, disassembly and removal.
<b>2090 ASPHALT WORKS</b>	Covers the supply, laying, spreading and compaction of asphaltic concrete, base course and sub base layers respectively. This is inclusive of preparation of sub grade, bituminous prime coats, bituminous concrete pavement mix designs, and density and compaction testing. It also includes the provisions of sample cores.

**Work Group 2000 - CIVIL WORKS**

CLASS	NAME & DESCRIPTION
2100	<b>GEOTECHNICAL INVESTIGATIONS</b> Covers site appraisals, borehole drilling, field sampling and testing, soil classifications, preparation of reports on geotechnical engineering sub-soil parameters, and other foundation design requirements.
2110	<b>TESTING SERVICES - MATERIALS</b> Includes the sampling and testing of concrete, asphaltic concrete, structural steel specimens and similar materials.
2120	<b>ANALYTICAL SERVICES – ENVIRONMENTAL</b> Includes the sampling, testing and analysis of potential contaminants / pollutants of air, soil and water.

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>3010</b>	<b>AIR-CONDITIONING &amp; REFRIGERATION SERVICES (D&amp;C)</b> Includes supply, installation and maintenance of window & central type air-conditioners, split units, refrigerators, water coolers, ice makers, console freezers etc.
<b>3011</b>	<b>AUTOMOTIVE CLEANING</b> Includes cleaning of interior and exterior of vehicle, engine and under body wash, polishing and detailing.
<b>3012</b>	<b>AUTOMOTIVE BODY REPAIRS</b> Covers the repairs, straightening and painting of all types of vehicles in an approved workshop environment.
<b>3013</b>	<b>AUTOMOTIVE ELECTRICAL REPAIRS</b> Covers the supply, installation, repairs and service to light, wiring, instrumentation, starters, alternators and other electrical accessories on vehicles.
<b>3014</b>	<b>AUTOMOTIVE ENGINE &amp; MECHANICAL REPAIRS</b> Covers the supply, maintenance and complete overhaul of engines by skilled craftsmen; modification and repairs to gearbox, differential, suspension, alternator, starter, transmission, converter, hydraulic and auxiliary drive systems. The use of special tools and manuals is required.
<b>3015</b>	<b>AUTOMOTIVE EXHAUST REPAIRS</b> Covers the supply, repairs / replacement of exhaust systems for all makes of vehicles e.g. domestic, commercial and industrial.
<b>3016</b>	<b>AUTOMOTIVE RADIATOR REPAIRS</b> Covers the supply, repairs / replacement of all types and sizes of radiators for domestic and commercial industrial vehicles.
<b>3017</b>	<b>AUTOMOTIVE TYRE &amp; TUBE REPAIRS</b> Covers the supply, repairs to tyres and tubes for all makes of vehicles e.g. domestic, commercial and industrial.
<b>3018</b>	<b>AUTOMOTIVE UPHOLSTERY</b> Covers the supply, repairs / replacement of upholstery for all types of domestic, commercial and industrial vehicles.
<b>3070</b>	<b>GENERAL MACHINE SHOP SERVICES</b> Includes the repairs, modification, fabrication and welding of items requiring machine shop skills and use of standard machine tools and associated measuring instruments involved in processes such as: <ul style="list-style-type: none"><li>(a) Turning (including threading of tubular and tools).</li><li>(b) Bench fitting, cutting keys and keyways, drilling, tapping, slotting etc.</li><li>(c) Horizontal / vertical boring, shaping, slotting, grinding, milling, etc.</li></ul>
<b>3075</b>	<b>GENERAL WELDING SHOP SERVICES</b> Covers the repair, fabrication, welding, testing of a range of equipment, poles, structures and components associated generally with electric utilities utilizing standard equipment and techniques relevant to the crafts. Requires adequate facilities and skilled craftsmen capable of interpreting drawings, carrying out fabrication operations, welding of carbon, alloy steels, and other metals and generally to perform work in accordance with various codes, standards and specifications.

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>3076</b>	<b>HYDRAULIC SYSTEM MAINTENANCE &amp; REPAIRS</b> Covers the routine preventative maintenance and servicing in accordance with the Manufacturer's Specifications on any Aerial-lift hydraulic truck, crane and digger derrick truck. It includes all repairs and service of any other truck-mounted hydraulic equipment including but not limited to PTO's, Hydraulic Pumps, Hydraulic Hoses, Cylinders, Valve Blocks, Winches, Spools etc. It includes the service on all makes and models of Aerial Lifts and the provision of secure facilities for Shop Services. This Work Class further includes the provision of a 24 hour Emergency Road Service throughout Trinidad & Tobago. It includes same or next day availability on parts and Routine Maintenance and Preventative Maintenance Inspections. It includes the transfers and remounts of old units onto new trucks and Welding/Fabrication.
<b>3080</b>	<b>INDUSTRIAL DIESEL &amp; GAS ENGINES</b> Covers the maintenance, complete overhaul, installation and alignment of diesel and gas engines. This includes the overhaul of engines, modifications and repairs including gear box, differential, suspension, alternator, starter, hydraulic system, transmission, converter, auxiliary drive systems, production hoist, fuel systems and fuel pumps.
<b>3090</b>	<b>ROTATING EQUIPMENT</b> Includes the reconditioning or re-manufacturing of rotating equipment components for pumps, turbines and compressors using machine shop skills, processes and equipment.



**Work Group 4000 – INSPECTION SERVICES**

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>4010</b>	<b>INFRA-RED SCANNING SERVICES</b> Covers the Infrared scanning of live low, medium and high voltage electrical equipment for temperature differentials.
<b>4020</b>	<b>METER READING SERVICES</b> Covers locating and reading of meters at customer premises and other metered electrical installations and making entries into data entry devices or paper forms.
<b>4030</b>	<b>ULTRA-SONIC INSPECTION</b> Covers the ultra-sonic inspection of live electrical equipment to detect sounds due to electrical arcing and current leakages.
<b>4040</b>	<b>PLANT INSPECTION</b> Includes the inspection of the overhead and underground electrical infrastructure including but not limited to poles, towers, overhead line and underground plant. It also includes the inspection of poles towers and other structures to determine the number of attachments and their conditions.
<b>4050</b>	<b>WELDING INSPECTION</b> This includes the examination and certification of the quality of welds and joints by approved methods.
<b>4060</b>	<b>VIBRATION INSPECTION</b> This includes the examination and certification of rotating equipment in relation to rotational speeds of machinery.



**Work Group 5000 – TRANSPORT & LIFTING SERVICES**

CLASS	NAME & DESCRIPTION
5010	<b>GENERAL LIFTING &amp; MOVING SERVICES</b> Covers the provision of cranes and lifts with their operating personnel for safely lifting and transporting company cargo, equipment and materials greater than 15 tons.
5020	<b>GENERAL TRUCKING SERVICE</b> Covers the provision of trucks with or without drivers and associated operating personnel and equipment for safely lifting and transporting company equipment and materials up to 15 tons.
5030	<b>PERSONNEL CARRIERS &amp; TAXIS</b> Covers the transporting of personnel by cars and buses in and around Trinidad and Tobago as and when required.
5040	<b>BOAT &amp; WATER TAXIS</b> Covers the transporting of personnel by boat from the mainland to, from and around islands within the territorial waters of Trinidad and Tobago as and when required.

## Work Group 6000 – CLEANING & CLEARING SERVICES

CLASS	NAME & DESCRIPTION
<b>6010</b>	<b>GARBAGE COLLECTION &amp; DISPOSAL</b> Covers the collection and disposal of all discarded material and garden refuse by the use of garbage disposal trucks / units. Unskilled manual work.
<b>6020</b>	<b>GRASS &amp; WEED CONTROL</b> Covers cutting and clearing of weed, grass, bush, hedges, migrant tree etc. using manual or mechanical means. Work covers locations in or around substations, buildings, structures, roadways, kiosks, etc. and excludes clearing of overhead electrical lines. This also covers chemical and biological treatment for control of weeds.
<b>6030</b>	<b>JANITORIAL SERVICES</b> Includes the cleaning of offices, clubs, medical facilities, canteens, bungalows and guesthouses. Work involves sweeping, dusting, mopping, vacuuming, cob-webbing, scrubbing, polishing, washing and collecting office refuse for disposal.
<b>6040</b>	<b>OVERHEAD LINE CLEARING SERVICES</b> Covers cutting trees and underbrush to maintain a specified corridor and footpath along overhead lines up to 132kV. It includes transporting cuttings away from site.
<b>6050</b>	<b>PEST CONTROL</b> Covers the treatment of all buildings, installations and their immediate surrounds, including the furnishings therein to eliminate all insects and other pests. This involves the use of environmentally acceptable chemicals, which may be sprayed, injected, fumigated or baited.
<b>6060</b>	<b>SANITARY CLEANING</b> Covers the work of cleaning choked sewer systems, underground waste lines and roadside drains.
<b>6070</b>	<b>HAZARDOUS WASTE HANDLING AND DISPOSAL</b> Covers hazardous chemicals including, but not limited to oil, silica gel, fluorescent tubes, lead acid batteries and e-waste.
<b>6080</b>	<b>BEES HANDLING (NEW)</b> Includes exterminating / handling or working in the presence of bees / wasps, in an environmentally safe manner, on or around poles, cross arms, insulators, conductors and fittings, guys, air breaks switches, fused cut-outs, pole mounted transformers, capacitors etc.

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>7010</b>	<b>OFFICE EQUIPMENT SERVICES</b> Covers the supply, installation, repair and maintenance of office equipment e.g. word processors, printing and copying machines, calculators, typewriters, copiers, duplicators, fax machines, etc.
<b>7020</b>	<b>SAFETY, FIRE &amp; SECURITY PROTECTION</b> Covers the provision, installation and maintenance of safety, fire and security systems including supply of replacement parts.
<b>7030</b>	<b>DECORATING SERVICES</b> Includes decorating and design services for corporate events both internal and external.
<b>7031</b>	<b>AUDIO VISUAL SERVICES</b> Includes audio and visual services for corporate events.
<b>7032</b>	<b>PHOTOGRAPHY</b> Provision of photography services for internal and external corporate events.
<b>7033</b>	<b>GENERAL EVENTS SUPPLIES</b> Includes the rental, installation, dismantling and supply of infrastructure and related accessories for corporate events including, but not limited to: <ul style="list-style-type: none"><li>(a) Tents</li><li>(b) Chairs</li><li>(c) Tables</li><li>(d) Platforms</li><li>(e) Stage</li><li>(f) Porter Potty</li><li>(g) Porter Coolers</li><li>(h) Linens</li><li>(i) Ice</li><li>(j) Potted Plants</li></ul>
<b>7034</b>	<b>LARGE SCALE PRINTING</b> Includes the printing of banners and signage.
<b>7035</b>	<b>OFFSET / DIGITAL PRINTING</b> Includes the printing of:- <ul style="list-style-type: none"><li>(a) Brochures</li><li>(b) Calendars</li><li>(c) Programmes</li><li>(d) Invitations</li><li>(e) Booklets and other printed materials</li></ul>

**Work Group 7000 – MISCELLANEOUS SERVICES**

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>7037</b>	<b>ENTERTAINMENT - CHILDREN</b> To provide entertainment services for children events at company's sports and family day Functions.
<b>7038</b>	<b>AWARDS AND TROPHIES</b> Includes the supply of standard or customised awards, trophies, medals and similar items for corporate and sporting events.
<b>7039</b>	<b>PUBLIC ADDRESS SYSTEMS - MOBILE</b> Covers public announcements via mobile public address systems.
<b>7040</b>	<b>COURIER AND FREIGHT SERVICES</b> Covers Courier and Freight services for the import and export of packages and goods.

## Work Group 8000 – CONSULTANCY & PROFESSIONAL SERVICES

CLASS	NAME & DESCRIPTION
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This Work Group aims at prequalifying persons / companies to provide expert advice, consultancy and professional services to the Commission in the following Work Classes:

8010      ARCHITECTURAL / CIVIL / STRUCTURAL ENGINEERING

8020      MECHANICAL ENGINEERING

8030      ELECTRICAL ENGINEERING

8040      INFORMATION TECHNOLOGY

8050      LEGAL

8060      FINANCE

8070      HUMAN RESOURCES

Includes consultancy / professional services which are required for the development, improvement and effective functioning of the Human Resources function and by extension the human capital of the Commission.

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>9010</b>	<b>OVERHEAD STREETLIGHT INSTALLATION &amp; MAINTENANCE</b> Includes installation and maintenance of luminaries and brackets, conductors, insulators and fittings.
<b>9020</b>	<b>UNDERGROUND STREETLIGHT INSTALLATION &amp; MAINTENANCE</b> Covers trench excavations, laying of ducts, pull boxes, plinths, man-hole, cable tray, conduit works, flange based columns, poles, pad mounted transformer, conductors and fittings, including jointing, terminating, installation, removal and maintenance, inclusive of luminaries, URD Triplex and power cable.
<b>9030</b>	<b>RECREATION GROUND / HOUSING DEVELOPMENTS</b> Covers trench excavations, laying of ducts, pull boxes, plinths, man-hole, cable tray, conduit works, installation of floodlights and associated wiring, electrical panels, meter base, metering cabinets, private pole and ancillary equipment, flange based columns, poles, pad mounted transformer, conductors and fittings, including jointing, terminating, installation, removal and maintenance, inclusive of luminaries, URD Triplex and power cable. Also covers the construction of switch-house and kiosk, reinforced concrete, structural steelwork, general fabrication and welding with the provision of building accessories and appurtenances including electrical systems.

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
<b>10010</b>	<b>CADASTRAL SURVEYING</b> Determining the form, contour, position, area, shape, height, depth or nature of any part of the earth or of any natural or artificial features, and the position, length and direction of bounding lines on, below or above any part of the earth for the purposes of making legal plans defining boundaries and registering land or documents with appropriate authorities.
<b>10020</b>	<b>ENGINEERING SURVEYING</b> The process by which proposed works are established and controlled on the ground in such a way that the design is executed accurately in the context of the particular works themselves and also in the context of other adjacent works and infrastructure.
<b>10030</b>	<b>HYDROGRAPHIC SURVEYING</b> Measuring or depicting those parameters that are necessary to describe the precise nature and configuration of the sea-bed and any natural or artificial features located on it and their geographical relationship to the landmass; and determining and measuring the characteristics and dynamics of the sea.
<b>10040</b>	<b>TOPOGRAPHIC SURVEYING</b> Determining the form, contour, position, area, shape, height, depth or nature of any part of the earth including natural and artificial features measured so that it may be stored and recreated at any scale on a material drawing or in a digital file.



**Work Group 11000 – LAND MANAGEMENT**

CLASS	NAME & DESCRIPTION
<b>11010</b>	<b>GEOGRAPHIC INFORMATION SYSTEMS (GIS) / GEOSPATIAL SERVICES</b> Services related to the capture, storage, manipulation, analysis, management and presentation of geographic/geospatial data.
<b>11020</b>	<b>QUANTITY SURVEYING</b> Determining, evaluating and managing costs relating to building, construction and civil engineering projects.
<b>11030</b>	<b>VALUATION SURVEYING</b> Determining the value of land and buildings and all types of property.

CLASS	NAME & DESCRIPTION
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**GAS COMPRESSOR MAINTENANCE**

This includes routine maintenance/overhaul, modifications and repairs as well as the supply of parts and material.

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| 12001 | GAS COMPRESSOR MAINTENANCE MOTOR           |
| 12002 | GAS COMPRESSOR MAINTENANCE COMPRESSOR PUMP |
| 12003 | GAS COMPRESSOR MAINTENANCE FILTERS         |
| 12004 | GAS COMPRESSOR MAINTENANCE ACCUMULATORS    |

**SERVICING AUXILIARY SYSTEMS ON THE PIPE MODULE**

This covers the servicing of all components in the on-engine auxiliary pipe module as well as the supply of parts and materials.

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| 12005 | SERVICING HEAT EXCHANGERS AUXILIARY SYSTEMS ON THE PIPE MODULE    |
| 12006 | SERVICING PUMPS AUXILIARY SYSTEMS ON THE PIPE MODULE              |
| 12007 | SERVICING FUEL FLOW METERS AUXILIARY SYSTEMS ON THE PIPE MODULE   |
| 12008 | SERVICING THREE-WAY VALVES AUXILIARY SYSTEMS ON THE PIPE MODULE   |
| 12009 | SERVICING FILTRATION SYSTEMS AUXILIARY SYSTEMS ON THE PIPE MODULE |

**TURBINE MAINTENANCE AND OVERHAUL**

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| 12010 | <b>ROUTINE TURBINE MAINTENANCE &amp; OVERHAUL</b><br>This includes any inspections done on the unit in the hot gas path, which is all sections after the compressor, including the combustor.   |
| 12011 | <b>LEVEL 1 SERVICE</b><br>This includes preventative and corrective maintenance such as diagnostics, external parts replacements, external parts overhaul, adjustments, and any other related work which can be accomplished on an installed engine.  |
| 12012 | <b>LEVEL 2 SERVICE</b><br>This includes corrective maintenance of major engine sections, specific internal parts replacements, adjustments, and any other related work which can be accomplished on an installed engine.                              |
| 12013 | <b>LEVEL 3 SERVICE</b><br>This includes major overhaul and refurbishment of most or all of the turbine components, thus requiring specialized equipment and may also include any other related work which can be accomplished on an installed engine. |

## **OTHER SERVICES**

### **12014 INSTALLATION AND / OR ALIGNMENT OF DIESEL & GAS ENGINES**

This includes alignment of axis of independent rotating assemblies, e.g. mating engine to alternator/generator.

### **12015 SERVICING OF THE HYDRAULIC CONTROL SYSTEM**

This includes corrective and preventative maintenance works on the mechanical governor and actuator of the engine as well as the supply of parts and materials.

### **12016 SERVICING OF THE FUEL SYSTEMS & THE FUEL PUMPS**

This includes corrective or preventative maintenance works on the fuel system external to the engine and can also include the supply of parts and materials.

### **12017 CONSTRUCTION AND / OR MAINTENANCE OF GAS LINES**

This covers the alteration or construction works on any lines designed to carry natural gas and can also include the supply of part and materials.

### **12018 TESTING OF GAS LINES**

Includes all non-destructive testing for either the recertification or commissioning of gas lines..

### **12019 GAS SYSTEM MAINTENANCE**

Designated specifically for the alteration / servicing / corrective works on any equipment designed to process / carry natural gas.

### **12020 TURBO SERVICES, INSPECTION AND INSTALLATION**

This includes corrective and preventative Turbocharger maintenance works and can also include the supply of parts and materials (ABB).

### **12021 COUPLING & VIBRATION DAMPER INSPECTION & REPAIRS**

This includes works on either the Geislinger viscous coupling or the vibration dampers on the Wärtsilä engines (Geislinger certified).

### **12022 MECHANICAL AUDIT SERVICES**

This includes sampling, testing and inspection services for various plant, machinery, tools and equipment.

### **12023 CALIBRATION SERVICES**

This includes the calibration of tools and instruments utilized for testing, validating and measuring quantities.

## **Work Group 13000 – CERTIFICATION SERVICES**

<b>CLASS</b>	<b>NAME &amp; DESCRIPTION</b>
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This Work Group includes providing examination and certification of tools, machinery and associated equipment by competent persons/bodies for the following Work Classes. Accreditation may be required from bodies approved to do so.

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|--------------|---------------------------------|
| <b>13010</b> | <b>HYDRAULIC CERTIFICATION</b>  |
| <b>13020</b> | <b>PNEUMATIC CERTIFICATION</b>  |
| <b>13030</b> | <b>MECHANICAL CERTIFICATION</b> |
| <b>13040</b> | <b>ELECTRICAL CERTIFICATION</b> |

CLASS	NAME & DESCRIPTION
14010	<b>NETWORKING &amp; COMMUNICATION EQUIPMENT</b> Includes the procurements of switches, routers, cabinets, access points network cabling, UPS and UPS batteries.
14020	<b>COMPUTER COMPONENTS</b> Includes the procurement of computer processors, system boards, memory, hard disk, video cards, optical drives, adaptors, USB cables and cases.
14030	<b>SERVERS, DESKTOPS, LAPTOPS, TABLETS &amp; PERIPHERALS</b> Includes the procurement of servers, desktops, laptops, tablets, keyboards, mouse, mouse pads, printers, scanners, monitors and surge protectors.