

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1	Chemicals	Chemicals Services	Catalyst & Internal Media Changeout	Internal Media Changeout	Service	10101010S	Provision of manpower, materials, consumables, equipment and facilities necessary for Unloading, Cleaning, Internal Parts Repair and Loading of Internal Media (e.g. clay, resin, salt, ACF, etc.) of vessel (e.g. Moisture removal, Chloride removal, Mercury removal, Sulphur removal, Molecular sieve, Propane treater, Butane treater, Feedgas drier, etc.)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
2	Chemicals	Chemicals Services	Catalyst & Internal Media Changeout	Moving Bed	Service	10101011S	Provision of manpower, materials, consumables, equipment and facilities necessary for Unloading, Cleaning, Internal Parts Repair and Loading of Moving Bed Reactor or Moving Bed Absorber inclusive of Sock Loading (e.g. Continuous Catalyst Regeneration (CCR), etc.)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
3	Chemicals	Chemicals Services	Catalyst & Internal Media Changeout	Multi Bed	Service	10101012S	Provision of manpower, materials, consumables, equipment and facilities necessary for Unloading, Cleaning, Internal Parts Repair and Loading of Multi Bed Reactor or Multi Bed Absorber with single layer or multi layer catalyst inclusive of Sock Loading and/or Dense Loading (e.g. Adsorbent Chambers, Distillate Hydrotreating, Hydrocracking, etc.)	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
4	Chemicals	Chemicals Services	Catalyst & Internal Media Changeout	Single/Fixed Bed	Service	10101013S	Provision of manpower, materials, consumables, equipment and facilities necessary for Unloading, Cleaning, Internal Parts Repair and Loading of Single Bed Reactor or Single Bed Absorber with single-layer or multi-layer catalyst inclusive of Sock Loading and/or Dense Loading (e.g. Naptha Hydrotreating, Isomerisation, Pressure Swing Absorber, Steam Reformer, Methanol Reactor, Ammonia Primary Reformer, Residue Fluid Catalytic Cracking (RFCC), etc.)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
5	Chemicals	Chemicals Services	Other Chemical Services		Service	10101100S	Provision of manpower, materials, consumables, equipment and facilities necessary for providing Other Chemical Services excluding Catalyst & Internal Media Changeout	General	L/R	-	Self-operated	51	No	0

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6	Chemicals	Commodity Chemicals	Acids	Acetic Acid	Product	10111010P	To supply and deliver Acetic Acid	General	L	-	Manufacturer Dealer	30 51	No	0
7	Chemicals	Commodity Chemicals	Acids	Acid Fracturing & Acidizing Additives	Product	10111011P	To supply and deliver Acid Fracturing & Acidizing Additives	General	L	-	Manufacturer Agent	30 51	No	0
8	Chemicals	Commodity Chemicals	Acids	Formic Acid	Product	10111012P	To supply and deliver Formic Acid	General	L	-	Manufacturer Dealer	30 51	No	0
9	Chemicals	Commodity Chemicals	Acids	Hydrochloric Acid	Product	10111013P	To supply and deliver Hydrochloric Acid	General	L/R	-	Manufacturer Dealer	30 51	No	0
10	Chemicals	Commodity Chemicals	Acids	Hydrofluoric Acid	Product	10111014P	To supply and deliver Hydrofluoric Acid	General	L	-	Manufacturer Dealer	30 51	No	0

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11	Chemicals	Commodity Chemicals	Acids	Other Acids	Product	10111015P	To supply and deliver Acid excluding Acetic Acid, Acid Fracturing & Acidizing Additives, Formic Acid, Hydrochloric Acid, Hydrofluoric Acid & Sulphuric Acid	General	L/R	-	Manufacturer Dealer	30 51	No	0
12	Chemicals	Commodity Chemicals	Acids	Sulphuric Acid	Product	10111016P	To supply and deliver Sulphuric Acid	General	L/R	-	Manufacturer Dealer	30 51	No	0
13	Chemicals	Commodity Chemicals	Amines		Product	10111100P	To supply and deliver Amines	General	L/R	-	Manufacturer Dealer	30 51	No	0
14	Chemicals	Commodity Chemicals	Ammonia		Product	10111200P	To supply and deliver Ammonia	General	L/R	-	Manufacturer Dealer	30 51	No	0
15	Chemicals	Commodity Chemicals	API Class G Cement		Product	10111300P	To supply and deliver API Class G cement	General	L	Frozen for ALL TYPES OF APPLICATION (Exclusively managed by PETRONAS)	Manufacturer Agent	30 51	No	0

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16	Chemicals	Commodity Chemicals	Base Oil		Product	10111400P	To supply and deliver Base Oil	General	L	-	Manufacturer Agent	30 51	No	0
17	Chemicals	Commodity Chemicals	Chloralkali	Caustic Soda	Product	10111510P	To supply and deliver Caustic Soda	General	L/R	-	Manufacturer Dealer	30 51	No	0
18	Chemicals	Commodity Chemicals	Chloralkali	Other Chloralkali	Product	10111511P	To supply and deliver Chloralkali excluding Caustic Soda and Hydrochloric Acid	General	L/R	-	Manufacturer Dealer	30 51	No	0
19	Chemicals	Commodity Chemicals	Disinfectants/Cleaner/Degreassing Agent		Product	10111600P	To supply and deliver Disinfectants/Cleaner/Degreassing Agent	General	L/R	-	Manufacturer Dealer	30 51	No	0
20	Chemicals	Commodity Chemicals	Fertilizer		Product	10111700P	To supply and deliver Fertilizer	General	L/R	-	Manufacturer Dealer	30 51	No	0

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21	Chemicals	Commodity Chemicals	Glycols	Monoethylene Glycol (MEG)	Product	10111810P	To supply and deliver Monoethylene Glycol (MEG)	General	L/R	-	Manufacturer Dealer	30 51	No	0
22	Chemicals	Commodity Chemicals	Glycols	Other Glycols	Product	10111811P	To supply and deliver Other Glycols excluding Monoethylene Glycol (MEG) and Triethylene Glycol (TEG)	General	L/R	-	Manufacturer Dealer	30 51	No	0
23	Chemicals	Commodity Chemicals	Glycols	Triethylene glycol (TEG)	Product	10111812P	To supply and deliver Triethylene Glycol (TEG)	General	L/R	-	Manufacturer Dealer	30 51	No	0
24	Chemicals	Commodity Chemicals	Industrial Detergent		Product	10111900P	To supply and deliver Industrial Detergent such as but not limited to soft soap for chain conveyor and cylinder washing	General	L/R	-	Manufacturer Dealer	30 51	No	0
25	Chemicals	Commodity Chemicals	Inks, Pigments, Coatings, Varnishes & Paints	Decorative	Product	10112010P	To supply and deliver Inks, Pigments, Coatings, Varnishes & Paints for Decorative purposes	General	L/R	-	Manufacturer Dealer	30 51	No	0

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26	Chemicals	Commodity Chemicals	Inks, Pigments, Coatings, Varnishes & Paints	Other Inks, Pigments, Coatings, Varnishes & Paints	Product	10112011P	To supply and deliver Inks, Pigments, Coatings, Varnishes & Paints for Industrial purposes	General	L/R	-	Manufacturer Dealer	30 51	No	0
27	Chemicals	Commodity Chemicals	Methanol		Product	10112100P	To supply and deliver Methanol	General	L/R	-	Manufacturer Dealer	30 51	No	0
28	Chemicals	Commodity Chemicals	Oils & lubricants	Other Oils & lubricants	Product	10112210P	To supply and deliver Other Oil & Lubricants excluding Wash Oil	General	L/R	-	Manufacturer Dealer	30 51	No	0
29	Chemicals	Commodity Chemicals	Oils & lubricants	Wash Oil	Product	10112211P	To supply and deliver Wash Oil	General	L/R	-	Manufacturer Dealer	30 51	No	0
30	Chemicals	Commodity Chemicals	Oleochemicals		Product	10112300P	To supply and deliver Oleochemicals	General	L/R	-	Manufacturer Dealer	30 51	No	0

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31	Chemicals	Commodity Chemicals	Other Commodity Chemicals		Product	10112400P	To supply and deliver Other Commodity Chemicals excluding Acids, Amines, Ammonia, API Class G Cement, Base Oil, Chloralkali, Disinfectants/Cleaner/Degreassing Agent, Fertilizer, Glycols, Industrial Detergents, Inks, Pigments, Coatings, Varnishes & Paints, Methanol, Oils & Lubricants, Oleochemicals, Resins, Salts, Solvents, Surfactants and Waste Water Treatment Chemicals	General	L/R	-	Manufacturer Dealer	30 51	No	0
32	Chemicals	Commodity Chemicals	Resins	ION Exchange Resin	Product	10112510P	To supply and provision of associated support services for Ion Exchange Resin	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
33	Chemicals	Commodity Chemicals	Resins	Other Resins	Product	10112511P	To supply and deliver Other Resins excluding Polyethylene and ION Exchange Resin	General	L/R	-	Manufacturer Dealer	30 51	No	0
34	Chemicals	Commodity Chemicals	Resins	Polyethylene	Product	10112512P	To supply and deliver Polyethylene Resin	General	L/R	-	Manufacturer Dealer	30 51	No	0
35	Chemicals	Commodity Chemicals	Salts		Product	10112600P	To supply and deliver Salts	General	L/R	-	Manufacturer Dealer	30 51	No	0

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36	Chemicals	Commodity Chemicals	Solvents		Product	10112700P	To formulate and/or supply and deliver Solvents	General	L/R	-	Manufacturer Dealer	30 51	No	0
37	Chemicals	Commodity Chemicals	Surfactants		Product	10112800P	To formulate and/or supply and deliver Surfactants	General	L/R	-	Manufacturer Dealer	30 51	No	0
38	Chemicals	Commodity Chemicals	Waste Water Treatment Chemicals		Product	10112900P	To supply and deliver Waste Water Treament Chemicals	General	L/R	-	Manufacturer Dealer	30 51	No	0
39	Chemicals	Gases	Butene		Product	10121000P	To supply and deliver Butene gas	General	L/R	-	Manufacturer Dealer	30 51	No	0
40	Chemicals	Gases	Nitrogen		Product	10121100P	To supply and deliver Nitrogen gas	General	L/R	-	Manufacturer Dealer	30 51	No	0

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41	Chemicals	Gases	Other Gases		Product	10121200P	To supply and deliver Other Application Gases excluding Butene, Nitrogen and Propane (e.g. industrial gas, purified gas, calibration gases and etc.)	General	L/R	-	Manufacturer Dealer	30 51	No	0
42	Chemicals	Gases	Propane		Product	10121300P	To supply and deliver Propane gas	General	L/R	-	Manufacturer Dealer	30 51	No	0
43	Chemicals	Laboratory Chemicals			Product	10130000P	To supply and deliver Laboratory Chemicals	General	L/R	-	Manufacturer Dealer	30 51	No	0
44	Chemicals	Process Chemicals	Additives	Anti - Blocking agents	Product	10141011P	To supply and deliver Anti - Blocking Agents	Strategic	R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
45	Chemicals	Process Chemicals	Additives	Antifoam	Product	10141012P	To supply and deliver Antifoam	Strategic	R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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46	Chemicals	Process Chemicals	Additives	Conductivity Improver	Product	10141013P	To supply and deliver Conductivity Improver	Strategic	R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
47	Chemicals	Process Chemicals	Additives	Other Additives	Product	10141014P	To supply and deliver Other Additives excluding Anti - Blocking Agent, Antifoam and Conductivity Improver	Strategic	R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
48	Chemicals	Process Chemicals	Antifoulant		Product	10141100P	To formulate, manufacture, supply and provision of associated services for Antifoulant	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
49	Chemicals	Process Chemicals	Antioxidants		Product	10141200P	To supply and deliver Antioxidants	General	L/R	-	Manufacturer Dealer	30 51	No	0
50	Chemicals	Process Chemicals	Barites		Product	10141300P	To supply and deliver Barites	General	L	-	Manufacturer Agent	30 51	No	0

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51	Chemicals	Process Chemicals	Blended Chemicals		Product	10141400P	To supply and provision of associated services for Blended Chemicals such as but not limited to H2S Scavenger, Pour Point Depressant and Anti Foam	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
52	Chemicals	Process Chemicals	Boiler Water Chemicals	Common Boiler Treatment Chemical	Product	10141510P	To formulate, manufacture, supply and provision of associated services for Common Boiler Treatment Chemical such as but not limited to Oxygen Scavenger, Amine and Phosphate	General	L/R	-	Manufacturer Agent	30 51	No	0
53	Chemicals	Process Chemicals	Boiler Water Chemicals	Customized Boiler Treatment Chemical	Product	10141511P	To formulate, manufacture, supply and provision of associated services for Customized Boiler Treatment chemical such as but not limited to Oxygen Scavenger, Neutralizing Amine and Phosphate	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
54	Chemicals	Process Chemicals	Catalysts	Adsorbents	Product	10141610P	To supply and deliver Adsorbents	General	L/R	-	Manufacturer Dealer	30 51	No	0
55	Chemicals	Process Chemicals	Catalysts	Catalyst Support Materials	Product	10141611P	To supply and deliver Catalyst Support Materials	General	L/R	-	Manufacturer Dealer	30 51	No	0

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56	Chemicals	Process Chemicals	Catalysts	Dehydrogenation	Product	10141612P	To supply and deliver Dehydrogenation Catalysts	General	L/R	-	Manufacturer Dealer	3051	No	0
57	Chemicals	Process Chemicals	Catalysts	Hydrogenation	Product	10141613P	To supply and deliver Hydrogenation Catalysts	General	L/R	-	Manufacturer Dealer	3051	No	0
58	Chemicals	Process Chemicals	Catalysts	Hydrotreating	Product	10141614P	To supply and deliver Hydrotreating Catalysts	General	L/R	-	Manufacturer Dealer	3051	No	0
59	Chemicals	Process Chemicals	Catalysts	Isomerization	Product	10141615P	To supply and deliver Isomerization Catalysts	General	L/R	-	Manufacturer Dealer	3051	No	0
60	Chemicals	Process Chemicals	Catalysts	Other Catalysts	Product	10141616P	To supply and deliver Other Catalysts excluding Adsorbents, Catalyst Support Materials, Dehydrogenation Catalyst, Hydrogenation Catalyst, Hydrotreating Catalyst, Isomerization Catalyst, Polymerization Catalyst, Reforming Catalyst & Sulphur Recovery Catalyst	General	L/R	-	Manufacturer Dealer	3051	No	0

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61	Chemicals	Process Chemicals	Catalysts	Polymerization	Product	10141617P	To supply and deliver Polymerization Catalysts	General	L/R	-	Manufacturer Dealer	30 51	No	0
62	Chemicals	Process Chemicals	Catalysts	Reforming	Product	10141618P	To supply and deliver Reforming Catalysts	General	L/R	-	Manufacturer Dealer	30 51	No	0
63	Chemicals	Process Chemicals	Catalysts	Sulphur recovery	Product	10141619P	To supply and Sulphur Recovery Catalysts	General	L/R	-	Manufacturer Dealer	30 51	No	0
64	Chemicals	Process Chemicals	Cooling Water Chemicals	Common Cooling Water Treatment Chemical	Product	10141710P	To formulate, manufacture, supply and provision of associated services for Common Cooling Water Treatment Chemical such as but not limited to Soda Ash and Calcium Chloride	General	L/R	-	Manufacturer Agent	30 51	No	0
65	Chemicals	Process Chemicals	Cooling Water Chemicals	Customized Cooling Water Treatment Chemical	Product	10141711P	To formulate, manufacture, supply and provision of associated services for Customized Cooling Water Treatment Chemical such as but not limited to Anti Scalant, Biocides and Corrosion Inhibitor	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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66	Chemicals	Process Chemicals	Corrosion Inhibitors and Biocides	Integrity Chemicals	Product	10141810P	To formulate, manufacture, supply and provision of associated services for customized Integrity Chemicals such as but not limited to CI and Biocide	Strategic	L	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1
67	Chemicals	Process Chemicals	Corrosion Inhibitors and Biocides	Other Corrosion Inhibitors and Biocides	Product	10141811P	To supply and deliver Other Corrosion Inhibitors and Biocides excluding Integrity Chemicals such as but not limited to Paraformaldehyde	General	L/R	-	Manufacturer	30	No	0
68	Chemicals	Process Chemicals	Deflocculants		Product	10141900P	To supply and deliver Deflocculants such as but not limited to Thinners and Dispersant (e.g. Chrome Free Lignosulphonate, Thannis, etc.)	General	L	-	Manufacturer Agent	30 51	No	0
69	Chemicals	Process Chemicals	Inorganic Chemicals		Product	10142000P	To supply and deliver Inorganic Chemicals such as but not limited to Caustic Soda (pH Control Sodium Carbonate - removal of Soluble Calcium) and Sodium Chloride (Brine preparations Calcium Sulphate - Gypsum Mud)	General	L/R	-	Manufacturer Chemical Blender	30 30	No	0
70	Chemicals	Process Chemicals	Loss Circulation Materials		Product	10142100P	To supply and deliver Loss Circulation Materials such as but not limited to Mica, Cellophane Flakes, Ground Walnut Shell, etc.	General	L	-	Manufacturer Agent	30 51	No	0

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71	Chemicals	Process Chemicals	Other Process Chemicals		Product	10142200P	To formulate, manufacture, supply and provision of associated services for Process Chemicals excluding Additives, Antifoulant, Antioxidants, Barites, Blended Chemicals, Boiler Water Chemicals, Catalyst, Cooling Water Chemicals, Corrosion Inhibitors & Biocide, Deflocculants, Inorganic Chemicals, Loss Circulation Materials, Oxygen & Hydrogen Sulphide Scavengers, Process Media, Process Water Chemicals, Production Chemicals, Stuck Pipe Chemicals, Sulfiding Agent, Treatment Chemicals for Oil-Base Muds, Viscosifiers and Fluid Loss Reducers, Water Displacing, Water Injection Chemicals and Weighting Materials.	General	L/R	-	Manufacturer Dealer	30 51	No	0
72	Chemicals	Process Chemicals	Oxygen and Hydrogen Sulphide Scavengers		Product	10142300P	To supply and deliver Oxygen and Hydrogen Sulphide Scavengers such as but not limited to Sodium Sulphite and Iron Sponge	General	L/R	-	Manufacturer Chemical Blender	30 30	No	0
73	Chemicals	Process Chemicals	Process Media	Activated Alumina , Anthracite, Silica Gel, Sand & Gravel	Product	10142410P	To supply and deliver Process Media i.e. Activated Alumina, Anthracite, Silica Gel, Sand and Gravel	General	L/R	-	Manufacturer Dealer	30 51	No	0
74	Chemicals	Process Chemicals	Process Media	Activated, Carbon, Fibre & Cloth	Product	10142411P	To supply and deliver Process Media i.e. Activated Carbon, Fibre and Cloth	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
75	Chemicals	Process Chemicals	Process Media	Clay	Product	10142412P	To supply and deliver Clay such as but not limited to Bentonite for fresh water and Attapulgate for saline water	General	L	-	Manufacturer Agent	30 51	No	0

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76	Chemicals	Process Chemicals	Process Water Chemical		Product	10142500P	To formulate, manufacture, supply and provision of associated services for Process Water Treatment Chemical	General	L/R	-	Manufacturer Dealer	30 51	No	0
77	Chemicals	Process Chemicals	Production Chemicals	Demulsifiers	Product	10142610P	To formulate, manufacture, supply and provision of associated services for Demulsifiers	Strategic	L/R	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1
78	Chemicals	Process Chemicals	Production Chemicals	Deoiler/Water Clarifier	Product	10142611P	To formulate, manufacture, supply and provision of associated services for Deoiler/Water Clarifier	Strategic	L/R	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1
79	Chemicals	Process Chemicals	Production Chemicals	Dispersant	Product	10142612P	To formulate, manufacture, supply and provision of associated services for Dispersant	Strategic	L/R	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1
80	Chemicals	Process Chemicals	Production Chemicals	Inhibitors & Biocides	Product	10142613P	To formulate, manufacture, supply and provision of associated services for Inhibitors & Biocides	Strategic	L/R	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1

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81	Chemicals	Process Chemicals	Production Chemicals	Other Production Chemicals	Product	10142614P	To formulate, manufacture, supply and provision of associated services for Other Production Chemicals excluding Demulsifiers, Deoiler/Water Clarifier, Dispersant, Inhibitors & Biocides, PPD - Pour Point Depressant, Sludge Breakers & Wax Removers	Strategic	L/R	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1
82	Chemicals	Process Chemicals	Production Chemicals	PPD - Pour Point Depressant	Product	10142615P	To formulate, manufacture, supply and provision of associated services for PPD - Pour Point Depressant	Strategic	L/R	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1
83	Chemicals	Process Chemicals	Production Chemicals	Sludge Breakers	Product	10142616P	To formulate, manufacture, supply and provision of associated services for Sludge Breakers	Strategic	L/R	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1
84	Chemicals	Process Chemicals	Production Chemicals	Wax Removers	Product	10142617P	To formulate, manufacture, supply and provision of associated services for Wax Removers	Strategic	L/R	Refer to MTR	Manufacturer Chemical Blender	30 30	Yes	1
85	Chemicals	Process Chemicals	Stuck Pipe Chemicals		Product	10142700P	To supply and deliver stuck pipe chemicals such as but not limited to Pipelax and Geltone	General	L	-	Manufacturer Agent	30 51	No	0

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86	Chemicals	Process Chemicals	Sulphiding Agent		Product	10142800P	To supply, deliver and provide associated services for Sulphiding Agents such as but not limited to Dimethyl Disulfide (DMDs)	Strategic	L/R	Refer to MTR	Manufacturer	0	Yes	1
87	Chemicals	Process Chemicals	Treatment Chemicals for Oil - Base Muds		Product	10142900P	To supply and deliver Treatment Chemicals for Oil - Base Muds such as but not limited to Shellsol D70 and Wetting Agent	General	L	-	Manufacturer Agent	30 51	No	0
88	Chemicals	Process Chemicals	Viscosifiers & Fluid Loss Reducers		Product	10143000P	To supply and deliver Viscosifiers & Fluid Loss Reducers such as but not limited to Carbon Methyl Cellulose and Hydroxy Ethyl Cellulose	General	L	-	Manufacturer Agent	30 51	No	0
89	Chemicals	Process Chemicals	Water Displacing		Product	10143100P	To supply and deliver Water Displacing chemicals	General	L/R	-	Manufacturer Dealer	30 51	No	0
90	Chemicals	Process Chemicals	Water Injection Chemicals		Product	10143200P	To supply and deliver Water Injection Chemicals such as but not limited to Polyelectrolyte, Surfactant and Oxygen Scavenger	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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91	Chemicals	Process Chemicals	Weighting Materials		Product	10143300P	To supply and deliver Weighting Materials such as but not limited to Iron Oxide Ilmenite, Siderite, Calcite and Galena	General	L	-	Manufacturer Agent	30 51	No	0
92	Civil, Marine, Infrastructure & Building Maintenance	Civil Consultancy Services	Building Architectural Design Services		Service	11101000S	The provision of manpower, services and project management for Building Architectural Design Services and installation works	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
93	Civil, Marine, Infrastructure & Building Maintenance	Civil Consultancy Services	Building Landscape Design Services		Service	11101100S	The provision of manpower, services and project management for Building Landscape Design Services and installation works	General	L/R	-	Self-operated	30	No	0
94	Civil, Marine, Infrastructure & Building Maintenance	Civil Consultancy Services	Civil & Structural Engineering Consultancy		Service	11101200S	The provision of Civil & Structural Engineering Consultancy services including engineering study such as but not limited to integrity and reliability study, asset life study, advance geotechnical, finite element analysis, inspection and maintenance study	General	L/R	-	Self-operated	51	No	0
95	Civil, Marine, Infrastructure & Building Maintenance	Civil Consultancy Services	Project Management - Building, Structural & Civil Works		Service	11101300S	The provision of project management services for Building, Structural & Civil Works	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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96	Civil, Marine, Infrastructure & Building Maintenance	Civil Works & Maintenance	Building & Structure Construction		Service	11111000S	The provision of manpower, materials, equipment, services and facilities necessary for Building & Structure Construction such as but not limited to construction of offices, warehouses and laboratories	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
97	Civil, Marine, Infrastructure & Building Maintenance	Civil Works & Maintenance	Drainage & Sewerage Construction & Maintenance		Service	11111100S	The provision of manpower, materials, equipment, services and facilities for Drainage & Sewerage Construction & Maintenance such as but not limited to monsoon drain and culvert, and also sewerage facilities including sewer pipes, treatment plant and pump house	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
98	Civil, Marine, Infrastructure & Building Maintenance	Civil Works & Maintenance	Onshore Marine Structure Construction & Maintenance		Service	11111200S	The provision of manpower, materials, equipment, services and facilities for Onshore Marine Structure Construction & Maintenance such as but not limited to jetties, ports, wharves, harbours, breakwater and river walls	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
99	Civil, Marine, Infrastructure & Building Maintenance	Civil Works & Maintenance	Railway Tracks Construction & Maintenance		Service	11111300S	The provision of manpower, materials, equipment, services and facilities for Railway Tracks Construction & Maintenance and installation works	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
100	Civil, Marine, Infrastructure & Building Maintenance	Civil Works & Maintenance	Road & Pavement Construction & Maintenance		Service	11111400S	The provision of labour, materials, equipment, services and facilities for Road & Pavement Construction & Maintenance such as but not limited to open carpark	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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101	Civil, Marine, Infrastructure & Building Maintenance	Civil Works & Maintenance Materials	Hardware		Product	11121000P	To supply and deliver Hardware for Civil Works & Maintenance Materials such as but not limited to bolts and nuts, screws, rivets and paint brushes/rollers	General	L/R	-	Manufacturer Dealer	30 51	No	0
102	Civil, Marine, Infrastructure & Building Maintenance	Civil Works & Maintenance Materials	Materials for Building & Offshore		Product	11121100P	To supply and deliver Materials for Building & Offshore such as but not limited to tiles, door frame, door, ready mix concrete, sand and aggregates, cement , timber, piping and guard rails	General	L/R	-	Manufacturer Dealer	30 51	No	0
103	Civil, Marine, Infrastructure & Building Maintenance	Grounds Maintenance Services			Service	11130000S	The provision of manpower, materials, equipment, services and facilities for landscaping including but not limited to tree planting, turfing, hardscape & maintenance, grass cutting, lawn mowing and regrading earth drains, clearing of access route such as Right of Way (ROW) including but not limited to clearing of bushes, shrubs and trimming of trees branches	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
104	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Land Survey		Service	11141000S	The provision of manpower, materials, equipment, services and facilities for Land Survey such as but not limited to underground utilities scanning and mapping	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
105	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Offshore Site Preparation		Service	11141100S	The provision of manpower, materials, equipment, services and facilities for Offshore Site Preparation such as but not limited to underwater debris removal, seabed leveling and stumping	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2

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106	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Onshore Site Preparation		Service	11141200S	The provision of manpower, materials, equipment, services and facilities for Onshore Site Preparation such as but not limited to installation of temporary facilities, site clearing, earthworks and levelling	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
107	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Onshore Soil Investigation		Service	11141300S	The provision of manpower, equipment & services for Onshore Soil Investigation (Wellsite, Onshore Facilities and Pipeline (Onshore) site investigation) including but not limited to marine condition (coastal and river)	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
108	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Other Foundation Works		Service	11141400S	The provision of labour, materials, equipment, services and facilities for installation of Other Foundation Works (excluding piling) such as but not limited to pad footing, strip footing and raft foundation	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
109	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Piling		Service	11141500S	The provision of labour, materials, equipment, services and facilities for installation of all types of Piling	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
110	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Reclamation & Dredging Works		Service	11141600S	The provision of manpower, materials, equipment, services and facilities for Reclamation & Dredging Works	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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111	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Slope Protection		Service	11141700S	The provision of manpower, materials, equipment, services and facilities for installation of specialised Slope Protection works such as but not limited to soil nailing, earth reinforcement and tension angle	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
112	Civil, Marine, Infrastructure & Building Maintenance	Geotechnical Services	Valuer		Service	11141800S	The provision of manpower, materials, equipment, services and facilities necessary for accurate estimation on current market properties value	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
113	Civil, Marine, Infrastructure & Building Maintenance	Marine Systems	Jetty		Product	11151000P	To supply and deliver marine systems/products related to jetty such as but not limited to mooring system (e.g. quick release hook, etc.), fendering system (e.g. single mooring point, jetty, boat landing for offshore platform, etc.), and product system (e.g. loading arm, cargo/transfer hoses, etc.)	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
114	Civil, Marine, Infrastructure & Building Maintenance	Marine Systems Repairs & Services	Jetty Maintenance		Service	11161000S	The provision of Jetty Maintenance related works inclusive of labour, materials, consumables, equipments and facilities necessary for repair, maintenance, testing and commissioning of Fendering System (e.g. Single mooring point, jetty, boat landing for offshore platform, etc.), Mooring System (e.g. quick release hook, etc.) and Product System (e.g. loading arm, cargo hoses, etc.)	General	L	-	Self-operated Agent	30 51	No	0
115	Civil, Marine, Infrastructure & Building Maintenance	Marine Systems Repairs & Services	Single Buoy Mooring (SBMs) System		Service	11161100S	The provision of manpower, diver, materials, consumables and equipments necessary for inspection, troubleshooting, repair, maintenance, change out and overhaul of Single Buoy Mooring (SBMs) System	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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116	Civil, Marine, Infrastructure & Building Maintenance	Marine Systems Repairs & Services	Single Point Mooring System		Service	11161200S	Provision of labour, materials, consumables, equipments and facilities necessary for repair, maintenance, testing and commissioning of Hose System, Buoy and Mooring System for Single Point Mooring System	General	L	-	Self-operated Agent	30 51	No	0
117	Civil, Marine, Infrastructure & Building Maintenance	Non-scheduled Waste Management	Domestic Waste Management		Service	11171000S	The provision of manpower, equipment, services, characterization, transportation and disposal of Domestic Waste Management (organic waste) such as but not limited to kitchen waste, sanitary and sewerage	General	L/R	-	Self-operated	51	No	0
118	Civil, Marine, Infrastructure & Building Maintenance	Non-scheduled Waste Management	Industrial Waste Management		Service	11171100S	The provision of manpower, equipment, services, characterization, transportation, disposal and recycle of Industrial Waste Management such as but not limited to wood, bricks and packaging	General	L/R	-	Self-operated	51	No	0
119	Civil, Marine, Infrastructure & Building Maintenance	Scaffolding Services & Inspection			Service	11180000S	The provision of manpower, materials, equipment, services and facilities for Scaffolding Services & Inspection	General	L/R	-	Self-operated	51	No	0
120	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	Concrete Repairs & Strengthening		Service	11191000S	The supply of manpower, materials, services and facilities for Concrete Repairs & Strengthening (reinforcement of structures) such as but not limited to pressure grouting and guniting	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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121	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	Fencing		Service	11191100S	The provision of manpower, materials, equipment, services and facilities for construction, installation and maintenance of Fencing	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
122	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	General Structural/Building Painting		Service	11191200S	The supply of manpower, materials, services and facilities for internal and external painting/repainting of buildings and general structures	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
123	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	Interior Decoration/Renovation		Service	11191300S	The provision of manpower, materials, equipment, services and facilities for Interior Decoration/Renovation of buildings such as but not limited to ceiling panels, partitions, built in fitments and raised floor works	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
124	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	Locksmith services		Service	11191400S	The provision of manpower, materials, equipment and services for Locksmith Services	General	L/R	-	Self-operated	30	No	0
125	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	Plumbing		Service	11191500S	The supply of manpower, materials, services and facilities for installation, repairs and servicing of water pipes, sanitary works and plumbing fixture	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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126	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	Roofing		Service	11191600S	The supply of manpower, materials, services and facilities for roof installation	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
127	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	Water Proofing		Service	11191700S	The supply of manpower, materials, services and facilities of for waterproofing of building basement, roofs, floor, and wall and concrete tank	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
128	Civil, Marine, Infrastructure & Building Maintenance	Upgrading/Renovation & Repair Works	Water Reticulation Works		Service	11191800S	The provision of manpower, materials, equipment, services and facilities for construction/maintenance of water supply facilities such as but not limited to piping works, treatment plant and pump house	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
129	Corporate Services	Donation & CSR	Donation In Kind		Service	12111000S	NA	NA	NA	NA	NA	NA	NA	NA
130	Corporate Services	Donation & CSR	External Engagement		Service	12111100S	NA	NA	NA	NA	NA	NA	NA	NA

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131	Digital & ICT	Application Software	Engineering Software		Product	13101000P	The provision of technical support, software and training for Engineering Software such as but not limited to drilling engineering	General	L/R	-	Manufacturer Dealer	30 51	No	0
132	Digital & ICT	Application Software	Mainframe Software		Product	13101100P	To supply, deliver, install, test and commission of Mainframe Software specifically Z series which is the standard operation for mainframes	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
133	Digital & ICT	Application Software	Office Software Application		Product	13101200P	To supply, deliver, install, test and commission of Office Software Application such as but not limited to system software (e.g. Microsoft Windows, Mac OS X and etc.), programming software (e.g. PHP, Perl,C++ and etc.) and application software (e.g. accounting software, graphic software and etc.)	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
134	Digital & ICT	Application Software	Server Software		Product	13101300P	To supply, deliver, install, test and commission of Server Software specifically those that are compatible with RISC based platform and Intel based platform	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
135	Digital & ICT	Application Software	Software Development Services		Service	13101400S	The provision of development and support services of Software Development Services including but not limited to design, research, development, prototyping, modification, reuse, re-engineering, maintenance and any other activities that result in software products	General	L/R	-	Self-operated Agent	51 51	No	0

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136	Digital & ICT	Application Software	Software for Workstations		Product	13101500P	To supply, deliver, install, test and commission of Software for Workstations such as but not limited to linux, unix, technical application, scientific application and Autodesk Suite	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
137	Digital & ICT	Application Software	Software License Leasing		Service	13101600S	The provision of leasing/rental services for Software License Leasing including but not limited to Microsoft Office, Microsoft Windows and CA Backup Services License	General	L/R	-	Self-operated Agent	30 51	No	0
138	Digital & ICT	Building Automation	Access Control System		Product	13111000P	To supply, deliver, install, test and commission of Access Control System	General	L/R	-	Manufacturer Dealer	30 51	No	0
139	Digital & ICT	Building Automation	General Purpose		Product	13111100P	To supply, deliver, install, test and commission of Public Address General Alarm (PAGA) System for non hazardous area	General	L/R	-	Manufacturer Dealer	30 51	No	0
140	Digital & ICT	Building Automation	Hazardous Area Application		Product	13111200P	To supply, deliver, install, test and commission of Public Address General Alarm (PAGA) System for process hazardous area	General	L	-	Manufacturer Agent	30 51	No	0

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141	Digital & ICT	Building Automation	Smart Card & Related Services		Service	13111300S	The provision of support for warranty and maintenance of Smart Card & Related Services	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
142	Digital & ICT	Data Management Services	Backup & Restore Services		Service	13121000S	The provision of support for warranty and maintenance of Backup & Restore Services	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
143	Digital & ICT	Data Management Services	Computer Storage		Service	13121100S	The provision of support for warranty and maintenance of Computer Storage such as but not limited to tape library and peripherals	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
144	Digital & ICT	Data Management Services	Disaster Recovery Subscription Services		Service	13121200S	The provision of support for warranty and maintenance of Disaster Recovery Subscription Services which is a continuation of technology infrastructure critical to ensure business continuity in the midst/after disruptive events	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
145	Digital & ICT	Data Management Services	ICT Datacenter Hosting Services		Service	13121300S	The provision of ICT Datacenter Hosting Services including but not limited to hosting of physical servers, virtual servers, high performance computing equipment, virtual storage on the Storage Area Network, backup and restore services and other ICT hosting services in a secure, resilient and controlled environment	General	L/R	-	Self-operated	30	No	0

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146	Digital & ICT	Data Management Services	Storage & Retrieval of Backup Media		Service	13121400S	The provision of support for warranty and maintenance of Storage & Retrieval of Backup Media including but not limited to magnetic storage media (e.g. hard disk, magnetic tape and etc.) and optical storage media (e.g. CD, DVD and etc.)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
147	Digital & ICT	ICT Audit Services			Service	13130000S	The provision of ICT Audit services in order to obtain evidence to determine if the information system are safeguarding assets, maintaining data integrity and operating effectively including but not limited to technology innovation process audit, innovation comparison audit and technological position audit	General	L/R	-	Self-operated Agent	30 51	No	0
148	Digital & ICT	ICT Consultancy Services	Computerized Inspection & Maintenance Consultancy Services		Service	13141000S	The provision of manpower, services and project management for Computerized Inspection & Maintenance Consultancy Services	General	L/R	-	Self-operated	51	No	0
149	Digital & ICT	ICT Consultancy Services	ICT Consultancy		Service	13141100S	The provision of manpower, services and project management for ICT consultancy	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2
150	Digital & ICT	ICT Consultancy Services	ICT Training Services		Service	13141200S	The provision of manpower, materials, equipment, services and facilities for ICT Training Services	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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151	Digital & ICT	ICT Equipment & Hardware	Accessories/Printers/Plotters/Peripherals		Product	13151000P	To supply, deliver, install, test and commission of Accessories/Printers/Plotters/Peripherals that is connected to a computer either directly or via network include but not limited to mouse, keyboard, hard drive, expansion cards, graphics cards, printers, scanners, microphones, loudspeakers, webcams and plotters	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
152	Digital & ICT	ICT Equipment & Hardware	Audio/Visual Equipment & Accessories		Product	13151100P	To supply, deliver, install, test and commission of Audio/Visual Equipment & Accessories such as but not limited to Digital camera, LCD projector, projector bulb, projector screen and video camera	General	L/R	-	Manufacturer Dealer	30 51	No	0
153	Digital & ICT	ICT Equipment & Hardware	Data Storage Media		Product	13151200P	To supply, deliver, install, test and commission of Data Storage Media devices which consist of primary storage, secondary storage, tertiary storage and offline storage, e.g. thumb drive, CD, DVD, CD / DVD writer, external hard disk, backup storage and etc., generally and High-End Enterprise Array (SAN), Mid-Range Enterprise Array (SAN), Network Attached Storage (NAS), Direct Attached Storage (DAS) and Tape Library	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
154	Digital & ICT	ICT Equipment & Hardware	End User Device Leasing/Rental		Service	13151300S	The provision of leasing/rental services for end user devices including but not limited to tablet device and smart phone	General	L/R	-	Self-operated	51	No	0
155	Digital & ICT	ICT Equipment & Hardware	Hardware for Workstations		Product	13151400P	To supply, deliver, install, test and commission of Hardware for Workstations including but not limited to high-end computer specifically designed for technical or scientific applications	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
156	Digital & ICT	ICT Equipment & Hardware	Mainframe		Product	13151500P	To supply, deliver, develop, install, test and commission of ICT system hardware’s based on high end computing	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
157	Digital & ICT	ICT Equipment & Hardware	PC Leasing/Rental		Service	13151600S	The provision of leasing/rental services for personal computer equipment	General	L/R	-	Self-operated	51	No	0
158	Digital & ICT	ICT Equipment & Hardware	Personal Computer		Product	13151700P	To supply, deliver, install, test and commission of personal computers which is intended to be used by individuals such as but not limited to desktop, laptop, netbook and tablet	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
159	Digital & ICT	ICT Equipment & Hardware	Photocopier, Printer & Facsimile Leasing/Rental		Service	13151800S	The provision of leasing/rental services for photocopier, printer & facsimile equipment	General	L/R	-	Self-operated	51	No	0
160	Digital & ICT	ICT Equipment & Hardware	Server		Product	13151900P	To supply, deliver, develop, install, test and commission of server dedicated to run one or more services to server the needs of the users of other computers on the network such as database server, file server, mail server, print server, web server and etc., generally and Reduced Instruction Set Computing (RISC) based platform server and Intel based platform server specifically	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
161	Digital & ICT	ICT Equipment & Hardware	Server & Storage Leasing/Rental		Service	13152000S	The provision of leasing/rental services for servers and storage equipment	General	L/R	-	Self-operated	51	No	0
162	Digital & ICT	Retail Automation Solution			Service	13160000S	To supply, deliver, install, test and commission of Retail Automation Solution	General	L/R	-	Self-operated	30	No	0
163	Digital & ICT	Telecommunication Equipment & Services	Call Manager/IP Communication Server		Product	13171000P	To supply, deliver, install, test and commission of Call Manager/IP Communication Server	General	L/R	-	Manufacturer Dealer	30 51	No	0
164	Digital & ICT	Telecommunication Equipment & Services	Data Communication Equipment		Product	13171100P	To supply, deliver, install, test and commission of Data Communication Equipment such as but not limited to router, switching facilities and relevant software	General	L	-	Manufacturer Agent	30 51	No	0
165	Digital & ICT	Telecommunication Equipment & Services	Fiber Optic Communication System Equipment & accessories		Product	13171200P	To supply and deliver Fiber Optic Communication System Equipment & Accessories such as but not limited to Transmission Equipment and Termination & Wiring Accessories	General	L/R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
166	Digital & ICT	Telecommunicati on Equipment & Services	Hardware Support Services		Service	13171300S	The provision of manpower, materials, equipment, services and facilities for Hardware Support Services (e.g. installation, repair, maintenance, troubleshoot, migration, etc.)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
167	Digital & ICT	Telecommunicati on Equipment & Services	ICT Network Cabling Maintenance		Service	13171400S	The provision of maintenance for support and warranty of ICT Network Cabling Maintenance including but not limited to fiber optic and copper cables	General	L/R	-	Self-operated	51	No	0
168	Digital & ICT	Telecommunicati on Equipment & Services	Intercom Facilities		Product	13171500P	To supply, deliver, install, test and commission of Intercom Facilities	General	L/R	-	Manufacturer Dealer	30 51	No	0
169	Digital & ICT	Telecommunicati on Equipment & Services	Microwave System		Product	13171600P	To supply, deliver, install, test and commission of Microwave System	General	L	-	Manufacturer Agent	30 51	No	0
170	Digital & ICT	Telecommunicati on Equipment & Services	Multiplex & Signalling		Product	13171700P	To supply, deliver, install, test and commission of Multiplex & Signalling	General	L/R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
171	Digital & ICT	Telecommunication Equipment & Services	Network Design, Configuration & Installation and Maintenance for ICT Voice & Data Communication and Facilities		Service	13171800S	The provision of labor, materials, consumables, equipment and facilities necessary for repair, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of ICT voice and data communication network	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
172	Digital & ICT	Telecommunication Equipment & Services	Network Design, Configuration & Installation and Maintenance for Secured Voice & Data Communication and Facilities		Service	13171900S	The provision of labor, materials, consumables, equipment and facilities necessary for repair, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of secured voice and data communication network	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
173	Digital & ICT	Telecommunication Equipment & Services	Other Ancillary Equipment		Product	13172000P	To supply and deliver Telecommunication Other Ancillary Equipment such as but not limited to Hotline System, Digital Video Recorder, Digital Voice Recorder and Facsimile Machine	General	L/R	-	Manufacturer Dealer	30 51	No	0
174	Digital & ICT	Telecommunication Equipment & Services	Radar Surveillance System		Product	13172100P	To supply, deliver, install, test and commission of Radar Surveillance System	General	L/R	-	Manufacturer Dealer	30 51	No	0
175	Digital & ICT	Telecommunication Equipment & Services	Radio Communication Equipment	HF Single Side Band	Product	13172210P	To supply, deliver, install, test and commission of HF Single Side Band	General	L	-	Manufacturer Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
176	Digital & ICT	Telecommunicati on Equipment & Services	Radio Communication Equipment	Navigational Radio Beacon	Product	13172211P	To supply, deliver, install, test and commission of Navigational Radio Beacon	General	L	-	Manufacturer Agent	30 51	No	0
177	Digital & ICT	Telecommunicati on Equipment & Services	Radio Communication Equipment	SOLAS Radio System	Product	13172212P	To supply, deliver, install, test and commission of SOLAS Radio System	General	L	-	Manufacturer Agent	30 51	No	0
178	Digital & ICT	Telecommunicati on Equipment & Services	Radio Communication Equipment	UHF/VHF Walkie Talkie	Product	13172213P	To supply, deliver, install, test and commission of UHF/VHF Walkie Talkie	General	L	-	Manufacturer Agent	30 51	No	0
179	Digital & ICT	Telecommunicati on Equipment & Services	Radio Communication Equipment	VHF-AM - Aeronautical Radio	Product	13172214P	To supply, deliver, install, test and commission of VHF-AM - Aeronautical Radio	General	L	-	Manufacturer Agent	30 51	No	0
180	Digital & ICT	Telecommunicati on Equipment & Services	Radio Communication Equipment	VHF-FM Marine Radio	Product	13172215P	To supply, deliver, install, test and commission of VHF-FM Marine Radio	General	L	-	Manufacturer Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
181	Digital & ICT	Telecommunicati on Equipment & Services	Satellite System		Product	13172300P	To supply, deliver, install, test and commission of Satellite System such as but not limited to VSAT, INMARSAT portable satellite and mobile satellite	General	L	-	Manufacturer Agent	30 51	No	0
182	Digital & ICT	Telecommunicati on Equipment & Services	Subscriber Equipment/IP Phones		Product	13172400P	To supply, deliver, install, test and commission of Subscriber Equipment/IP Phones	General	L/R	-	Manufacturer Dealer	30 51	No	0
183	Digital & ICT	Telecommunicati on Equipment & Services	Telecom Equipment Leasing/Rental		Service	13172500S	The provision of leasing/rental services for telecommunication equipment	General	L/R	-	Self-operated	51	No	0
184	Digital & ICT	Telecommunicati on Equipment & Services	Telecom Leased Line		Service	13172600S	The provision of labor, materials, consumables, equipment and facilities necessary for leased line services inclusive of testing and commissioning (e.g. ISDN, Metro-E, etc.)	General	L/R	-	Self-operated	51	No	0
185	Digital & ICT	Telecommunicati on Equipment & Services	Telecommunicati on System Leased Services		Service	13172700S	The provision of labour, materials, consumables, equipment and facilities necessary for design, repair, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Telecommunication System Leased Services (e.g. VSAT, DTRS, etc.)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
186	Digital & ICT	Telecommunicati on Equipment & Services	Video Conferencing System		Product	13172800P	To supply, deliver, install, test and commission of Video Conferencing System	General	L/R	-	Manufacturer Dealer	30 51	No	0
187	Electrical Equipment & Services	Electrical Bulks	Cable Trays/Ladders/C onduits		Product	14101000P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
188	Electrical Equipment & Services	Electrical Bulks	Earthing, Bonding & Lightning Protection Materials		Product	14101100P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
189	Electrical Equipment & Services	Electrical Bulks	Explosion Proof Electrical Parts, Components & Accessories		Product	14101200P	To supply and deliver Explosion Proof Electrical Parts, Components & Accessories such as but not limited to junction box, cable gland and remote control unit	General	L/R	-	Manufacturer Dealer	30 51	No	0
190	Electrical Equipment & Services	Electrical Bulks	Light, Fittings & Accessories		Product	14101300P	To supply and deliver Light Fittings & Accessories such as but not limited to Non Explosion Proof Light & Fittings, Explosion Proof Light & Fittings and Navigational Aids (Marine Lanterns & Aircraft Warning Light)	General	L/R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
191	Electrical Equipment & Services	Electrical Bulks	Non Explosion Proof Electrical Parts, Components & Accessories		Product	14101400P	To supply and deliver Non Explosion Proof Electrical Parts, Components & Accessories such as but not limited to moulded case circuit breaker, miniature circuit breaker, earth leakage/voltage circuit breaker, control transformer, control relays, fuses and contactor	General	L/R	-	Manufacturer Dealer	30 51	No	0
192	Electrical Equipment & Services	Electrical Bulks	Power & Control General Cable		Product	14101500P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
193	Electrical Equipment & Services	Electrical Bulks	Power & Control Specific Cable		Product	14101600P	To supply and deliver Power & Control - Specific Cable such as but not limited to flame retardant, fire resistant and anti rodent	General	L/R	-	Manufacturer Agent	30 51	No	0
194	Electrical Equipment & Services	Electrical Bulks	Subsea Cable		Product	14101700P	To design, assemble, supply, deliver, install, hook-up, test, commission Subsea Cable and conduct training on operation	Strategic	L	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
195	Electrical Equipment & Services	Electrical Engineering Consultancy			Service	14110000S	The provision to conduct electrical engineering study such as but not limited to system study, electrical integrity & reliability study, electromagnetic compatibility study, electrical asset life study, electrical audit & assessment and operations & maintenance strategy	General	L/R	-	Self-operated	30	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
196	Electrical Equipment & Services	Electrical Heating System	Heat Tracing System		Product	14121000P	-	General	L	-	Manufacturer Agent	30 51	No	0
197	Electrical Equipment & Services	Electrical Heating System	Process Heater		Product	14121100P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
198	Electrical Equipment & Services	Electrical Heating Systems Maintenance	Heat Tracing System Maintenance		Service	14131000S	The provision of labour, materials, manpower, consumables, equipment and facilities necessary for cleaning, repair, troubleshooting, maintenance, testing and commissioning Heat Tracing System	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
199	Electrical Equipment & Services	Electrical Heating Systems Maintenance	Process Heater Maintenance		Service	14131100S	The provision of labour, materials, manpower, consumables, equipment and facilities necessary for cleaning, repair, troubleshooting, maintenance, testing and commissioning of Process Heater	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
200	Electrical Equipment & Services	General Electrical Services	Aircraft Warning Light & System		Service	14141000S	The provision of labour, materials, consumables, equipment and facilities necessary for repair troubleshooting, maintenance, testing and commissioning of Aircraft Warning Light & System	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
201	Electrical Equipment & Services	General Electrical Services	Cathodic Protection Services		Service	14141100S	The provision of labour, materials, consumables, equipment and facilities necessary for Cathodic Protection services	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
202	Electrical Equipment & Services	General Electrical Services	Earthing, Lightning Protection System & Surge Protection Materials		Service	14141200S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, maintenance, testing and commissioning of Earthing System, Lightning Protection System & Surge Protection Materials	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
203	Electrical Equipment & Services	General Electrical Services	Electrical Cabling & Wiring Works		Service	14141300S	The provision of labour, materials, consumables, equipment and facilities necessary to troubleshoot cable fault, jointing, cable laying, test and commission Cable & Wiring	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
204	Electrical Equipment & Services	General Electrical Services	Electrical Equipments Leasing/Rental		Service	14141400S	Leasing or rental of Electrical Equipments such as but not limited to Load Bank	General	L/R	-	Self-operated	51	No	0
205	Electrical Equipment & Services	General Electrical Services	Other General Electrical Services		Service	14141500S	The provision of labour, materials, consumables, equipment and facilities necessary to undertake the General Electrical Services such as but limited to Bulbs, Fuses, Light Fittings, Tester, Distribution Panel, Junction Box, Remote Control Unit (RCU), MCCB and MCB	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
206	Electrical Equipment & Services	Generators & Transformers	Cast Resin Dry Type		Product	14151000P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Cast Resin Dry Type Transformers	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
207	Electrical Equipment & Services	Generators & Transformers	Closed Cycle Vapour Turbogenerator (CCVT)		Product	14151100P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Closed Cycle Vapour Turbogenerator (CCVT)	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
208	Electrical Equipment & Services	Generators & Transformers	Diesel Engine Driven Generator		Product	14151200P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Diesel Engine Driven Generator	Strategic	L	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
209	Electrical Equipment & Services	Generators & Transformers	Gas Engine Driven Generator		Product	14151300P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Gas Engine Driven Generator	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
210	Electrical Equipment & Services	Generators & Transformers	Micro Turbine Generator		Product	14151400P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Micro Turbine Generator	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
211	Electrical Equipment & Services	Generators & Transformers	Oil Immersion Type		Product	14151500P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Oil Immersion Type Transformers	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
212	Electrical Equipment & Services	Generators & Transformers	Portable Generator Set		Product	14151600P	-	General	L	-	Manufacturer Dealer	30 51	No	0
213	Electrical Equipment & Services	Power Distribution & Control	Containerized Substation		Product	14161000P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Containerized Substation	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
214	Electrical Equipment & Services	Power Distribution & Control	Electrical Busduct System		Product	14161100P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
215	Electrical Equipment & Services	Power Distribution & Control	Electrical Motor		Product	14161200P	To supply and deliver Electrical Motor such as but not limited to AC and DC motor	General	L/R	-	Manufacturer Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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216	Electrical Equipment & Services	Power Distribution & Control	Explosion Proof Distribution Boards & Enclosure		Product	14161300P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
217	Electrical Equipment & Services	Power Distribution & Control	Generator Control System		Product	14161400P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
218	Electrical Equipment & Services	Power Distribution & Control	High Voltage Power Fuses		Product	14161500P	-	General	L	-	Manufacturer Agent	30 51	No	0
219	Electrical Equipment & Services	Power Distribution & Control	Low Voltage Switchboard/Switchgear/MCC/Air Circuit Breaker(ACB)/Busbar		Product	14161600P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Low Voltage Switchboard/Switchgear/MCC/Air Circuit Breaker(ACB)/Busbar	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	2
220	Electrical Equipment & Services	Power Distribution & Control	High Voltage Switchboard/Switchgear/Vacuum Circuit Breaker (VCB)/Vacuum Contactor Unit (VCU)/Contactor/Busbar		Product	14161700P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of High Voltage Switchboard/Switchgear/Vacuum Circuit Breaker (VCB)/Vacuum Contactor Unit (VCU)/Contactor/Busbar	Strategic	L	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3

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221	Electrical Equipment & Services	Power Distribution & Control	Non Explosion Distribution Boards & Enclosure		Product	14161800P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
222	Electrical Equipment & Services	Power Distribution & Control	Protection Relay		Product	14161900P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
223	Electrical Equipment & Services	Power Distribution & Control	Telecontrol & Substation Automation System		Product	14162000P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Telecontrol & Substation Automation System	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
224	Electrical Equipment & Services	Power Distribution & Control	Variable Speed Drives and Soft Starter		Product	14162100P	To design, supply, deliver, install, hook up, test, commission and personnel training of Variable Speed Drives and Soft Starter System	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
225	Electrical Equipment & Services	Power Distribution & Control	Ignition System		Product	14162200P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0

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226	Electrical Equipment & Services	Power Distribution & Control Maintenance	Electrical Motor Maintenance	Explosion Proof	Service	14171010S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, bearing replacement, rewinding, troubleshooting, maintenance, testing and commissioning of Explosion Proof Motors	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
227	Electrical Equipment & Services	Power Distribution & Control Maintenance	Electrical Motor Maintenance	Non-Explosion Proof	Service	14171011S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, bearing replacement, rewinding, troubleshooting, maintenance, testing and commissioning of Non-Explosion Proof Motors	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
228	Electrical Equipment & Services	Power Distribution & Control Maintenance	HV Switchgear		Service	14171100S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, maintenance, servicing, testing and commissioning of HV Switchgear inclusive of HV busduct	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
229	Electrical Equipment & Services	Power Distribution & Control Maintenance	Intelligent Motor Control System (IMCS)		Service	14171200S	To design, assemble, supply, install, hook up, testing, commissioning, maintenance and training of Intelligent Motor Control System	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
230	Electrical Equipment & Services	Power Distribution & Control Maintenance	LV Switchgear		Service	14171300S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, maintenance, servicing, testing and commissioning of LV Switchgear inclusive of LV busduct	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
231	Electrical Equipment & Services	Power Distribution & Control Maintenance	Protection Relay Maintenance		Service	14171400S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrade, maintenance, calibrate, test and commission of Protection Relay	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
232	Electrical Equipment & Services	Power Distribution & Control Maintenance	Telecontrol & Substation Automation System Maintenance		Service	14171500S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, maintenance, troubleshooting, testing and commissioning of Electrical Network Monitoring and Control System	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
233	Electrical Equipment & Services	Power Distribution & Control Maintenance	Variable Speed Drives and Soft Starter Maintenance		Service	14171600S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, maintenance, testing and commissioning of Variable Speed Drive and Soft Starter System	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
234	Electrical Equipment & Services	Power Supply System	Capacitor Banks		Product	14181000P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
235	Electrical Equipment & Services	Power Supply System	Commercial UPS Static Type		Product	14181100P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
236	Electrical Equipment & Services	Power Supply System	DC Charger		Product	14181200P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
237	Electrical Equipment & Services	Power Supply System	Industrial UPS - Static Type		Product	14181300P	To design, assemble, supply, deliver, install, hook-up, test, commission Industrial UPS - Static Type and conduct training on operation	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
238	Electrical Equipment & Services	Power Supply System	Lead Acid Batteries		Product	14181400P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
239	Electrical Equipment & Services	Power Supply System	NICAD Batteries		Product	14181500P	Nickel Cadmium	General	L/R	-	Manufacturer Dealer	30 51	No	0
240	Electrical Equipment & Services	Power Supply System	Solar Power Supply		Product	14181600P	To design, assemble, supply, deliver, install, hook-up, test, commission Solar Power Supply and conduct training on operation	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
241	Electrical Equipment & Services	Power Supply System	UPS - Modular Type		Product	14181700P	To design, assemble, supply, deliver, install, hook-up, test, commission UPS Modular Type and conduct training on operation	Strategic	L/R	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
242	Electrical Equipment & Services	Power Supply System Maintenance	Batteries		Service	14191000S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, maintenance, testing and commissioning of Batteries	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
243	Electrical Equipment & Services	Power Supply System Maintenance	Uninterrupted Power Supply (UPS) System		Service	14191100S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, maintenance, testing and commissioning of AC/DC UPS System	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
244	Electrical Equipment & Services	Transformers & Generators Maintenance	Generator		Service	14201000S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, overhaul, rewinding, refurbish, maintenance, testing and commissioning of Generator	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
245	Electrical Equipment & Services	Transformers & Generators Maintenance	Transformer		Service	14201100S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, overhaul, rewinding, refurbish, oil filtration and regeneration, maintenance, testing and commissioning of Transformer	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
246	Engineering, Construction & Projects (EC&P)	Associated Services	Anti-Corrosion & Concrete Pipeline Coating		Service	15101000S	Provision of labor, material, equipment, services and facilities for Pipeline Insulation Coating including but not limited to hot, cold, corrosion coating, concrete weight coating and internal coating	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
247	Engineering, Construction & Projects (EC&P)	Associated Services	Marine Warranty Survey		Service	15101100S	The provision of suitability survey for installation vessel & supporting tugs/barges, witnessing, verifying, reviewing, approving procedure, attend installation activities and issue certificate of approval (platform, pipeline & subsea facilities), attend construction risk assessment and fabrication yard (trail fitting, dimensional check, sea-fastening & loud operation)	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
248	Engineering, Construction & Projects (EC&P)	Associated Services	Pipeline Pre-Commissioning & Commissioning		Service	15101200S	The provision of PMT, procedures, labour, equipment, services and facilities for offshore and onshore Pipeline cleaning, pigging, gauging, fill, hydrotest, dewatering, drying, inerting including provision of pigs, temporary launcher/receiver, materials & consumables (including chemicals)	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
249	Engineering, Construction & Projects (EC&P)	Consultancy Services	Decommissioning Study of Offshore Facilities		Service	15111000S	The provision of service for decommissioning feasibility study for D&A Late Life Planning and Preparation, D&A Regulatory Compliant & Permitting, D&A Facilities Hook-down/Facilities Making Safe, Removal & Remediation for offshore facilities	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
250	Engineering, Construction & Projects (EC&P)	Consultancy Services	Decommissioning Study of Onshore Facilities/Project		Service	15111100S	The provision of Decommissioning Study of Onshore Facilities/Project such as but not limited to onshore pipeline facilities	General	L/R	-	Self-operated	30	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
251	Engineering, Construction & Projects (EC&P)	Consultancy Services	Project Management - Pipeline		Service	15111200S	The provision of Pipeline Project Management services	General	L/R	-	Self-operated Agent	30 51	No	0
252	Engineering, Construction & Projects (EC&P)	Consultancy Services	Project Management - Plant		Service	15111300S	The provision of Project Management Services for plant construction, rejuvenation and major maintenance work	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
253	Engineering, Construction & Projects (EC&P)	Decommissioning	Decommissioning of Offshore Facilities		Service	15121000S	The provision of PMT, manpower, engineering, procedures, derrick barge/vessel inclusive of marine spread, transportation spread, decommissioning equipment, diving spread, ROV spread, heavy lift rigging, NDT services, survey & positioning, and specialize services which includes environmental & consultancy services required for decommissioning, removal and disposal of offshore facilities	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
254	Engineering, Construction & Projects (EC&P)	Decommissioning	Decommissioning of Onshore Facilities/Project		Service	15121100S	The provision of PMT, manpower, engineering, procedures, decommissioning equipment, demolition, NDT services, and specialize services which includes environmental & consultancy services required for decommissioning, removal, demolition, remediation and disposal of onshore upstream and downstream facilities	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2
255	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Commissioning Engineering Services		Service	15131000S	The provision of engineering commissioning services for precommissioning, startup, commissioning	Strategic	L	Refer to MTR	Self-operated	30	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
256	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Draughting Services	Deepwater Pipeline Design & Draughting Services	Service	15131110S	The provision of engineering feasibility study, conceptual design and Front End Engineering Design (FEED) services for deepwater pipeline design such as but not limited to pipeline/riser	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
257	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Draughting Services	General Draughting Services	Service	15131111S	The provision of draughting services such as but not limited to as-built drawing	General	L	-	Self-operated	30	No	0
258	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Feasibility Study		Service	15131200S	The provision to conduct study and propose the most feasible options which required deliverables to be used for Conceptual Engineering Design/FEED	General	L/R	-	Self-operated	30	No	0
259	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Major Engineering - Conceptual Engineering Design/FEED/Detailed Design		Service	15131300S	The provision to perform engineering works include Conceptual Engineering Design/Feasibility Studies (which required deliverables to be used for FEED/ Detailed Design) and FEED/Detailed Design services (which required deliverables to be used for subsequent Engineering stage, Procurement, Fabrication, Installation, Commissioning and Start-Up of the facilities for onshore or offshore). Example of deliverables for Conceptual engineering design are Concept Layouts, HSE Philosophies, Process Flow Diagram, Simulation Report, etc. Example of deliverables for FEED/ Detailed Design are Data Sheets, Project Execution Plan, Control Strategy and System Overview Sketches, HSE plan, P&IDs, Weight Management, Transportation, Installation, Risk Assessment, etc.	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
260	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Naval Architecture & Marine Engineering		Service	15131400S	The provision to perform engineering works include Feasibility Studies/Conceptual Engineering Design which required deliverables to be used for FEED/ Detailed Design for Naval Architecture and Marine Engineering	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
261	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Specialised Engineering	Civil & Structural	Service	15131610S	The provision to undertake small scale projects such as but not limited to specific platform/plant modification, retrofitting, rejuvenation engineering for Civil & Structural discipline	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
262	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Specialised Engineering	Control & Instrumentation	Service	15131611S	The provision to undertake small scale projects such as but not limited to specific platform/plant modification, retrofitting, rejuvenation engineering for Control & Instrumentation discipline	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
263	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Specialised Engineering	Electrical	Service	15131612S	The provision to undertake small scale projects such as but not limited to specific platform/plant modification, retrofitting, rejuvenation engineering for Electrical discipline	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
264	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Specialised Engineering	Mechanical & Piping	Service	15131613S	The provision to undertake small scale projects such as but not limited to specific platform/plant modification, retrofitting, rejuvenation engineering for Mechanical & Piping discipline	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
265	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Specialised Engineering	Pipeline	Service	15131614S	The provision to undertake small scale projects such as but not limited to specific platform/plant modification, retrofitting, rejuvenation engineering for Pipeline discipline	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
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266	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Specialised Engineering	Process	Service	15131615S	The provision to undertake small scale projects such as but not limited to specific platform/plant modification, retrofitting, rejuvenation engineering for Process discipline	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
267	Engineering, Construction & Projects (EC&P)	Engineering Services for Greenfield & Brownfield Projects	Subsea Engineering Services		Service	15131700S	The provision of engineering services including but not limited to Feasibility Study and Concept Select Study services for Subsea Engineering	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
268	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Marine Systems - Deepwater	Anchor, Buoys & Mooring Line	Product	15141010P	To supply and design Deepwater Anchoring System, Deepwater Buoys System and Deepwater Mooring Line such as but not limited to wire rope, chain, polyester rope, connectors, fairlead and mooring jack	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	2
269	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Marine Systems - Deepwater	Single Point Mooring	Product	15141011P	To supply and design of deepwater single point mooring/turret	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	2
270	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Marine Systems - Single Point Mooring System	Buoy	Product	15141110P	To design, manufacture, supply, install, and test Buoy at marine structure	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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271	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Marine Systems - Single Point Mooring System	Hose System	Product	15141111P	To design, manufacture, supply, install, and test Hose System at marine structure	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
272	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Marine Systems - Single Point Mooring System	Mooring Systems	Product	15141112P	To design, manufacture, supply, install, and test Mooring System at marine structure	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
273	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Offshore - Fixed Structures Fabrication	Lightweight Fixed Structures	Service	15141210S	Provision to perform fabrication of offshore facilities (<7,500 metric tons) including but not limited to Wellhead platform (WHP)	General	L	FROZEN for New & Extension of Scope (Exclusively managed by PETRONAS)	Self-operated	30	No	0
274	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Offshore - Fixed Structures Fabrication	Medium to Heavyweight Fixed Structures	Service	15141211S	Provision to perform fabrication of offshore facilities (>7,500 metric tons) including but not limited to Central Processing Platform (CPP)	General	L	FROZEN for New & Extension of Scope (Exclusively managed by PETRONAS)	Self-operated	30	No	0
275	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Offshore - Floating Production Facilities (FPSO/FSO)		Service	15141300S	Provision to perform fabrication for Floating Offshore Facilities which include new-built/conversion/refurbishment/supply/operation/maintenance such as but not limited to FPSO, FSO, TLP, SPAR and Semi-sub	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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276	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Offshore - Mobile Production Facilities (MOPU)		Service	15141400S	Provision to perform fabrication for Mobile Offshore Facilities which includes new-built/conversion/refurbishment/supply/operation/maintenance such as but not limited to MOPU, MODU, MOPSU and MOAB	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
277	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Onshore - Facilities Fabrication	Major Fabrication	Service	15141610S	Provision to perform Construction for integrated construction work including but not limited to mechanical, instrumentation, electrical, structural and civil work. Typical onshore facilities such as but not limited to terminal, gas processing plant and tank farm	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
278	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Onshore - Facilities Fabrication	Onshore Fabrication - Dry Tree Unit (DTU)	Service	15141611S	-	General	L	-	Self-operated Agent	30 51	No	0
279	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Onshore - Pipeline		Service	15141700S	Provision of labor, material, equipment, services and facilities for onshore general pipeline construction	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
280	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Service Station Construction		Service	15141800S	The provision of engineering, manpower, materials, equipment, services, project management and facilities for construction of service station and associated infrastructure	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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281	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Structural & Piping Fabrication/Welding Services	Metallic - Carbon Steel, Stainless Steel, Non-Ferrous, Internally Lined Pipe & etc.	Service	15141910S	The provision of labour, materials, consumables, equipments and facilities necessary for fabrication, repair and maintenance of metallic piping, internally lined pipe and structure	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
282	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Structural & Piping Fabrication/Welding Services	Non Metallic - PVC, HDPE, Fibreglass & etc.	Service	15141911S	The provision of manpower, materials, consumables, equipment and facilities necessary for fabrication, repair and maintenance of non-metallic piping and structure	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
283	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Subsea Systems & Umbilical		Product	15142000P	To design, manufacture, assemble, test, supply, deliver, install, hookup, commissioning of Subsea Systems & Umbilical such as but not limited to Subsea Production Control System (SPCS), Subsea Structure, Foundation, Piping & Connection System (e.g. manifold, PLET, PLEM, SLED, rigid jumper), Subsea Boosting & Separation System, Subsea Metering (single- or multi-phase) Subsea Production Control Umbilical (steel tube and/or thermoplastic hose and/or power/communication) for static & dynamic services, umbilical accessories & proprietary items.	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	2
284	Engineering, Construction & Projects (EC&P)	Fabrication & Construction	Tank/Tank Farms		Service	15142100S	To design, supply, deliver, install and test of tank/tank farms	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
285	Engineering, Construction & Projects (EC&P)	Hook-up & Commissioning	Commissioning of Specialist Electrical, HVAC & Instrumentation System		Service	15151000S	-	General	L	-	Self-operated	30	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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286	Engineering, Construction & Projects (EC&P)	Hook-up & Commissioning	Hook-Up & Commissioning of Offshore Facilities		Service	15151100S	The provision of manpower, materials, consumables, equipment and services necessary for hook-up & commissioning such as but not limited to workpack development, onshore prefabrication, onshore testing & precommissioning and marine spreads	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
287	Engineering, Construction & Projects (EC&P)	Integrated EPC/EPCC/EPCIC	Offshore - Fixed Structures Fabrication (EPC/EPCC/EPCIC)	Medium to Heavyweight Fixed Structures (EPC/EPCC/EPCIC)	Service	15161010S	Provision to perform Engineering, Procurement, Fabrication, Installation and Commissioning for fabrication of offshore facilities (>7,500 metric tons) including but not limited to Central Processing Platform (CPP)	General	L	FROZEN for New & Extension of Scope (Exclusively managed by PETRONAS)	Self-operated	30	No	0
288	Engineering, Construction & Projects (EC&P)	Integrated EPC/EPCC/EPCIC	Offshore - Fixed Structures Fabrication (EPC/EPCC/EPCIC)	Lightweight Fixed Structures (EPC/EPCC/EPCIC)	Service	15161011S	Provision to perform Engineering, Procurement, Fabrication, Installation and Commissioning for fabrication of offshore facilities (<7,500 metric tons) including but not limited to Wellhead platform (WHP)	General	L	FROZEN for New & Extension of Scope (Exclusively managed by PETRONAS)	Self-operated	30	No	0
289	Engineering, Construction & Projects (EC&P)	Integrated EPC/EPCC/EPCIC	Offshore - Floating Production Facilities (FPSO/FSO - EPC/EPCC/EPCIC)		Service	15161100S	Provision to perform Engineering, Procurement, Fabrication, Installation, Commissioning and Start-Up the facilities for Floating Offshore Facilities which include new-built/conversion/refurbishment/supply/operation/maintenance such as but not limited to FPSO, FSO, TLP, SPAR and Semi-sub	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
290	Engineering, Construction & Projects (EC&P)	Integrated EPC/EPCC/EPCIC	Offshore - Mobile Production Facilities (MOPU - EPC/EPCC/EPCIC)		Service	15161200S	Provision to perform Engineering, Procurement, Fabrication, Installation, Commissioning and Start-Up the facilities for Mobile Offshore Facilities which includes new-built/conversion/refurbishment/supply/operation/maintenance such as but not limited to MOPU, MODU, MOPSU and MOAB	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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291	Engineering, Construction & Projects (EC&P)	Integrated EPC/EPCC/EPCIC	Onshore Facilities		Service	15161400S	Provision to perform Engineering, Procurement, Construction, Installation, Commissioning and Start-Up for integrated construction work including but not limited to mechanical, instrumentation, electrical, structural and civil work. Typical onshore facilities such as but not limited to terminal, gas processing plant and tank farm	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
292	Engineering, Construction & Projects (EC&P)	Integrated EPC/EPCC/EPCIC	Onshore Pipeline		Service	15161500S	Provision of labor, material, equipment, services and facilities for onshore general pipeline construction and installation	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
293	Engineering, Construction & Projects (EC&P)	Offshore Transportation & Installation	Cable & Umbilical		Service	15171000S	The provision of PMT, transportation & installation engineering, procedures, cable & umbilical laying marine spread, inclusive of construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, consumables and other installation aids required for offshore installation and pre-commissioning	Strategic	L	Refer to MTR	Self-operated Agent	51 51	Yes	2
294	Engineering, Construction & Projects (EC&P)	Offshore Transportation & Installation	Fixed Structure	Floatover/Other Methods	Service	15171110S	The provision of PMT, transportation & installation engineering, procedures, floatover barge/vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV and other installation aids required for offshore installation	Strategic	L	Refer to MTR	Self-operated Agent	51 51	Yes	2
295	Engineering, Construction & Projects (EC&P)	Offshore Transportation & Installation	Fixed Structure	Lifting Method - Dynamic Positioning Vessel	Service	15171111S	The provision of PMT, transportation & installation engineering, procedures, DP derrick barge/vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, heavy lift rigging, piling, grouting, survey & positioning, ROV and other installation aids required for offshore installation	Strategic	L	Refer to MTR	Self-operated Agent	51 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
296	Engineering, Construction & Projects (EC&P)	Offshore Transportation & Installation	Fixed Structure	Lifting Method - Non Dynamic Positioning Vessel	Service	15171112S	The provision of PMT, transportation & installation engineering, procedures, derrick barge/vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, heavy lift rigging, piling, grouting, survey & positioning, ROV and other installation aids required for offshore installation	Strategic	L	Refer to MTR	Self-operated Agent	51 51	Yes	2
297	Engineering, Construction & Projects (EC&P)	Offshore Transportation & Installation	Pipeline & Cable	Pipelay Conventional Method ('S' and/or 'J' Lay Method)	Service	15171210S	The provision of PMT, transportation & installation engineering, procedures (including welding), pipeline installation barge/vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, field joint coating, NDT, consumables and other installation aids required for offshore installation, shore approach works and pipeline pre-commissioning	Strategic	L	Refer to MTR	Self-operated Agent	51 51	Yes	2
298	Engineering, Construction & Projects (EC&P)	Offshore Transportation & Installation	Pipeline & Cable	Tow, Reeling, Flexible & Other Methods	Service	15171211S	The provision of PMT, transportation & installation engineering, procedures (including welding), construction marine spread, pipe stringing facilities inclusive of construction equipment, diving spread, qualified personnel, rigging, survey & positioning, ROV, field joint coating, NDT, consumables and other installation aids required for offshore installation and pre-commissioning	Strategic	L	Refer to MTR	Self-operated Agent	51 51	Yes	2
299	Engineering, Construction & Projects (EC&P)	Offshore Transportation & Installation	SBM & Subsea Structure		Service	15171300S	The provision of PMT, transportation & installation engineering, procedures, offshore construction barge/vessel inclusive of marine spread, construction equipment, diving spread, qualified personnel, rigging, piling, survey & positioning, ROV and other installation aids required for offshore installation	Strategic	L	Refer to MTR	Self-operated Agent	51 51	Yes	2
300	General Equipment, Maintenance & Spares	Automotive Equipment	Bogie, Wagon & Accessories		Product	16101000P	-	General	R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
301	General Equipment, Maintenance & Spares	Automotive Equipment	Heavy Vehicle		Product	16101100P	-	General	R	-	Manufacturer Dealer	30 51	No	0
302	General Equipment, Maintenance & Spares	Automotive Equipment	Locomotive		Product	16101200P	-	General	R	-	Manufacturer Dealer	30 51	No	0
303	General Equipment, Maintenance & Spares	Automotive Equipment Maintenance	Repair & Maintenance of Automotive Workshop Equipment		Service	16111000S	The provision of manpower, materials, consumables, equipment and facilities necessary for repair and maintenance of automotive workshop equipment such as but not limited to hoist, tyre service equipment and lubricant service equipment	General	R	-	Self-operated	30	No	0
304	General Equipment, Maintenance & Spares	Equipment Chemical Cleaning			Service	16120000S	Provision of expert advice, labour, equipment and chemical for equipment chemical cleaning services and post cleaning services such as but not limited to passivation and handling of waste	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2
305	General Equipment, Maintenance & Spares	Gas Cylinder	LPG Cylinders & Accessories		Product	16131000P	To supply and deliver LPG Cylinders & Accessories such as but not limited to LPG cylinders, cap seal, LPG pallet and plastic tag	General	R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
306	General Equipment, Maintenance & Spares	Gas Cylinder Services	LPG Cylinder Maintenance		Service	16141000S	The provision of manpower, materials, equipment and facilities necessary for services and maintenance of LPG cylinder such as but not limited to repainting, requalification and reconditioning	General	L/R	-	Self-operated	51	No	0
307	General Equipment, Maintenance & Spares	Gas Cylinder Services	LPG Pallet		Service	16141100S	The provision of manpower, materials, equipment and facilities necessary for services and maintenance of LPG pallet	General	R	-	Self-operated	30	No	0
308	General Equipment, Maintenance & Spares	Gas Cylinder Services	LPG Reticulation System		Service	16141200S	The provision of manpower, materials, equipment and facilities necessary for installation, requalification and maintenance of LPG bulk tank facilities	Strategic	R	Refer to MTR	Self-operated	51	Yes	1
309	General Equipment, Maintenance & Spares	Heating, Ventilating & Air Conditioning (HVAC) Services			Service	16150000S	The provision of manpower, materials, consumables, equipment and facilities necessary for inspection, repair and maintenance of Heating Ventilation Air Conditioning (HVAC) & Split Unit	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
310	General Equipment, Maintenance & Spares	Heating, Ventilation & Air Conditioning (HVAC) Equipment & Spares			Product	16160000P	To design, supply, deliver, install, test, commission and conduct training on HVAC Equipment & Spares such as but not limited to HVAC system, fans, air handling units, chillers, condenser units, fan coils, filters and fire dampers	Strategic	L/R	Refer to MTR	Assembler Dealer	30 51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
311	General Equipment, Maintenance & Spares	Hoses	Chemical Transfer		Product	16171000P	To supply and deliver hoses for chemical transfer complete with couplings	General	L/R	-	Manufacturer Agent	30 51	No	0
312	General Equipment, Maintenance & Spares	Hoses	Couplings		Product	16171100P	-	General	L	-	Manufacturer Agent	30 51	No	0
313	General Equipment, Maintenance & Spares	Hoses	Flexible Drainpipes		Product	16171200P	-	General	L	-	Manufacturer Agent	30 51	No	0
314	General Equipment, Maintenance & Spares	Hoses	General Purpose (excluding OEM Hoses)		Product	16171300P	To supply and deliver hoses for general purpose (excluding OEM hoses) complete with couplings	General	L/R	-	Manufacturer Dealer	30 51	No	0
315	General Equipment, Maintenance & Spares	Hoses	Petroleum Product Transfer		Product	16171400P	-	General	R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
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316	General Equipment, Maintenance & Spares	Insulation Materials			Product	16180000P	To supply and deliver insulation materials for hot, acoustic, cold and fire insulation works including personnel protection	General	L/R	-	Manufacturer Agent	30 51	No	0
317	General Equipment, Maintenance & Spares	Machining & Fabrication Workshop	In-situ Machining		Service	16191000S	The provision of labour, materials, consumables, equipments and facilities necessary for in-situ machining (inclusive of drilling, grinding, cutting, shaping, milling, turning, balancing)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
318	General Equipment, Maintenance & Spares	Machining & Fabrication Workshop	Machining Workshop		Service	16191100S	The provision of labour, materials, consumables, equipments and facilities necessary for machining workshop (inclusive of lathe, bending, drilling, grinding, cutting, shaping, milling, turning, balancing)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
319	General Equipment, Maintenance & Spares	Mechanical Operation Systems	Bulk Material Handling System & Components		Product	16201000P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
320	General Equipment, Maintenance & Spares	Mechanical Operation Systems	Chemical Injection Skid		Product	16201100P	-	General	L/R	-	Manufacturer Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
321	General Equipment, Maintenance & Spares	Mechanical Operation Systems	Dehydration System	Air	Product	16201210P	-	General	L	-	Manufacturer Agent	30 51	No	0
322	General Equipment, Maintenance & Spares	Mechanical Operation Systems	Dehydration System	Glycol	Product	16201211P	-	General	L	-	Manufacturer Agent	30 51	No	0
323	General Equipment, Maintenance & Spares	Mechanical Operation Systems	Flare Stack System & Accessories		Product	16201300P	-	General	L	-	Manufacturer Agent	30 51	No	0
324	General Equipment, Maintenance & Spares	Mechanical Operation Systems	Hydraulic Power Unit/Power Pack		Product	16201400P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
325	General Equipment, Maintenance & Spares	Mechanical Operation Systems	Jet Fuel System		Product	16201500P	-	General	L/R	-	Manufacturer Agent	30 51	No	0

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
326	General Equipment, Maintenance & Spares	Mechanical Operation Systems	LPG Filling System & Accessories		Product	16201600P	To design, supply, deliver, install and test LPG Filling System & Accessories such as but not limited to Proprietary LPG Filling Equipment e.g. leak detector, palletizing and related software and Non Proprietary LPG Filling Equipment Parts e.g clasper, sensor, hoses, base plate, leak detector (e.g. pneumatic, transmitter, head), palletizing (e.g. sensor, pneumatic), conveyor, conveyor track, etc.	General	R	-	Manufacturer Dealer	300	No	0
327	General Equipment, Maintenance & Spares	Mechanical Operation Systems	Vent System		Product	16201700P	-	General	L/R	-	Manufacturer Agent	3051	No	0
328	General Equipment, Maintenance & Spares	Motor Vehicle Accessories	Air-Conditioner		Product	16211000P	-	General	L/R	-	Manufacturer Dealer	3051	No	0
329	General Equipment, Maintenance & Spares	Motor Vehicle Accessories	Auto Accessories		Product	16211100P	-	General	L/R	-	Manufacturer Dealer	3051	No	0
330	General Equipment, Maintenance & Spares	Motor Vehicle Accessories	Motor Vehicle Spare Parts		Product	16211200P	-	General	L/R	-	Manufacturer Dealer	3051	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
331	General Equipment, Maintenance & Spares	Motor Vehicle Accessories	Test Equipment & Instrumentation		Product	16211300P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
332	General Equipment, Maintenance & Spares	Motor Vehicle Accessories	Tyre & Parts		Product	16211400P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
333	General Equipment, Maintenance & Spares	Prime Mover	Aviation Vehicle		Product	16221000P	To supply and deliver Aviation Vehicle such as but not limited to bowser, dispenser & flushing vehicle	General	L/R	-	Manufacturer Dealer	30 51	No	0
334	General Equipment, Maintenance & Spares	Prime Mover	Motor Vehicle		Product	16221100P	To supply and deliver Motor Vehicle such as but not limited to passenger car, motorcycle and pickup truck	General	L/R	-	Manufacturer Dealer	30 51	No	0
335	General Equipment, Maintenance & Spares	Prime Mover	Other Prime Mover		Product	16221200P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0

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Updated SWEC							Updated SWEC Attributes							
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336	General Equipment, Maintenance & Spares	Prime Mover	Overhead Crane		Product	16221300P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
337	General Equipment, Maintenance & Spares	Prime Mover	Trailer		Product	16221400P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
338	General Equipment, Maintenance & Spares	Removal & Disposal Services	Removal & Disposal of Debris		Service	16231000S	The provision of manpower, equipment, services, treatment, characterization, transportation & disposal of debris to approved site	General	L/R	-	Self-operated	51	No	0
339	General Equipment, Maintenance & Spares	Removal & Disposal Services	Removal & Disposal Of Metal Scrap		Service	16231100S	The provision of manpower, equipment, services, treatment, characterization, transportation & disposal of metal scrap	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
340	General Equipment, Maintenance & Spares	Service Station Equipment	Fuel Dispenser & Accessories Equipment		Product	16241000P	To supply, deliver, install, test and commission service station fuel dispenser & accessories such as but not limited to nozzle, hose, visi gauge, breakaway coupling, swivel joint, submersible turbine pump, leak detector, automatic tank gauging, outdoor payment terminal, digital screen display, lighting surge protector, pump controller and shear valves	Strategic	R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
341	General Equipment, Maintenance & Spares	Service Station Equipment	NGV Refuelling Facilities - Piping, Compressor & Dispensers		Product	16241100P	To supply and deliver NGV Refuelling Facilities such as but not limited to Piping, NGV Compressor (e.g. storage cascade, priority panel, control panel, tubing, etc.), NGV Dispensers (e.g. hose, nozzle, valve , mass flow meter, etc.) and NGV Conversion	General	R	0	Manufacturer Dealer	30 51	No	0
342	General Equipment, Maintenance & Spares	Service Station Equipment	Service Station Accessories		Product	16241200P	To supply and deliver/design, install and commission Service Station Accessories such as but not limited to Display Chillers & Freezers, Visual Elements & Signage, LPG Bulk Equipments e.g. LPG bulk tank, oil separator, vaporiser, etc., Other NGV Refuelling Facilities e.g. electrical panels, storage cascade, etc. and Other Service Station Equipment/Accessories e.g. air conditioning, tire inflator, etc.	General	L/R	-	Manufacturer Dealer	30 0	No	0
343	General Equipment, Maintenance & Spares	Service Station Equipment	Underground Flexible Fuel Piping System		Product	16241300P	To supply, deliver, install, test and commission underground flexible fuel piping system and accessories such as but not limited to tank sump and cover, manhole cover and lifting handle, monitoring test well and dispenser sump	Strategic	R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
344	General Equipment, Maintenance & Spares	Service Station Equipment	Underground Storage Tank & Accessories		Product	16241400P	To supply, deliver, install, test and commission underground storage tank and accessories such as but not limited to float vent valve, manhole cover, dipping pipe, filling pipe, monitoring test well and vacuum gauge	Strategic	R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
345	General Equipment, Maintenance & Spares	Service Station Equipment Maintenance	Chillers & Freezers		Service	16251000S	The provision of manpower, materials, consumables, equipment and facilities necessary for services & maintenance of chillers, freezers & accessories	General	R	-	Self-operated	0	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
346	General Equipment, Maintenance & Spares	Service Station Equipment Maintenance	Fuel Dispenser & Accessories Maintenance		Service	16251100S	The provision of manpower, materials, consumables, equipment and facilities necessary for services & maintenance of fuel dispenser & accessories	General	R	-	Self-operated	51	No	0
347	General Equipment, Maintenance & Spares	Service Station Equipment Maintenance	NGV Dispenser & Accessories		Service	16251200S	The provision of manpower, materials, consumables, equipment and facilities necessary for services & maintenance of NGV dispenser & accessories	General	R	-	Self-operated	51	No	0
348	General Equipment, Maintenance & Spares	Service Station Equipment Maintenance	Tire Inflator Maintenance		Service	16251300S	The provision of manpower, materials, consumables, equipment and facilities necessary for services & maintenance of tire inflator & accessories	General	R	-	Self-operated	51	No	0
349	General Equipment, Maintenance & Spares	Service Station Equipment Maintenance	Visual Element & Signage		Service	16251400S	The provision of manpower, materials, consumables, equipment and facilities necessary for services & maintenance of visual element, signage & accessories	General	R	-	Self-operated	51	No	0
350	General Equipment, Maintenance & Spares	Spare Parts	Aviation Filters (Jet A1 & Avgas)		Product	16261000P	To supply and deliver aviation filters such as but not limited to microfilter, coalescer, separator, clay filter and filter monitor	Strategic	R	Refer to MTR	Manufacturer Agent	300	Yes	1

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351	General Equipment, Maintenance & Spares	Spare Parts	Bearings		Product	16261100P	To supply and deliver Bearings excluding customized design bearing	General	L/R	-	Manufacturer Dealer	30 51	No	0
352	General Equipment, Maintenance & Spares	Spare Parts	Belts & Chains		Product	16261200P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
353	General Equipment, Maintenance & Spares	Spare Parts	Spare Parts - Couplings		Product	16261300P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
354	General Equipment, Maintenance & Spares	Spare Parts	Electrodes		Product	16261400P	-	General	L	-	Manufacturer Dealer	30 51	No	0
355	General Equipment, Maintenance & Spares	Spare Parts	Fluid/Turbo Coupling		Product	16261500P	To supply and deliver Fluid/Turbo Coupling component and parts	Strategic	L/R	Refer to MTR	Assembler Agent	30 51	Yes	2

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356	General Equipment, Maintenance & Spares	Spare Parts	Gearbox & Gears		Product	16261600P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
357	General Equipment, Maintenance & Spares	Spare Parts	Hydraulic Circuit Filters		Product	16261700P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
358	General Equipment, Maintenance & Spares	Spare Parts	Pigging Accessories		Product	16261800P	To supply and deliver Pigging Accessories such as but not limited to PIG (e.g. foam, BI-DI, cup, spears, scrappers, brushes, etc.), End Closures, PIG Signallers and Scraper Launcher and Receiver	General	L	-	Manufacturer Agent	30 51	No	0
359	General Equipment, Maintenance & Spares	Spare Parts	Process Filter		Product	16261900P	To supply and deliver Process Filter such as but not limited to Water Injection Filters, Glycol Filters, Oil Filters, Fuel Filters, Air Filters, Gas Filters and Duplex Filters	General	L/R	-	Manufacturer Agent	30 51	No	0
360	General Equipment, Maintenance & Spares	Spare Parts	Pulleys, Sheaves & Sprocket		Product	16262000P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0

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361	General Equipment, Maintenance & Spares	Spare Parts	Specialised Connectors & Joints		Product	16262100P	To supply and deliver Welded or Non-welded Specialised Connectors and Joints such as clamp type connectors, compact flanges, swivels flanges, hammer lug, swage connector and joints	Strategic	L	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
362	General Equipment, Maintenance & Spares	Workshop Tools & Equipment	Automotive Workshop Equipment		Product	16271000P	To supply and deliver Automotive Workshop Equipment such as but not limited to hoist, tyre service equipment and lubricant service equipment	General	R	-	Manufacturer Agent	30 0	No	0
363	General Equipment, Maintenance & Spares	Workshop Tools & Equipment	Barrel & Grease Pump		Product	16271100P	To supply and deliver Barrel & Grease Pump such as but not limited to High Pressure Grease Pump and Barrel Pump (Motor/Pneumatic /Hand Operated)	General	L/R	-	Manufacturer Dealer	30 51	No	0
364	General Equipment, Maintenance & Spares	Workshop Tools & Equipment	Electric Hand Tools & Equipment		Product	16271200P	To supply and deliver of Electric Hand Tools & Equipment such as but not limited to Impact Wrench, Electrical Equipment (e.g. HV tester, relay tester, current Injector & etc), Electric Hand Tools, Hand Grinder, Smoke Meter and Welding Transformer	General	L/R	-	Manufacturer Dealer	30 51	No	0
365	General Equipment, Maintenance & Spares	Workshop Tools & Equipment	Hydraulic Jacking, Tensioning & Torqueing Equipment		Product	16271300P	To supply and deliver Hydraulic Jacking, Tensioning & Torqueing Equipment such as but not limited to bolt tensioning and torquing, flange spreader, nut splitter, hydraulic jack and garage jack	General	L/R	-	Manufacturer Dealer	30 51	No	0

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366	General Equipment, Maintenance & Spares	Workshop Tools & Equipment	Hydraulic Press		Product	16271400P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
367	General Equipment, Maintenance & Spares	Workshop Tools & Equipment	Mechanic Hand Tools		Product	16271500P	To supply and deliver Mechanic Hand Tools such as but not limited to wrench, spanner, screwdriver, hammer, and inclusive of cabinet tools installation	General	L/R	-	Manufacturer Agent	30 51	No	0
368	General Equipment, Maintenance & Spares	Workshop Tools & Equipment	Pneumatic Tools & Air Compressors		Product	16271600P	To supply and deliver Pneumatic Tools & Air Compressors such as but not limited to 30 HP Air Compressor	General	L/R	-	Manufacturer Dealer	30 51	No	0
369	General Equipment, Maintenance & Spares	Workshop Tools & Equipment	Welding Equipment		Product	16271700P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
370	Geological & Geophysical (G&G)	G&G Consultancy Services	Geological Feasibility/Prospecting/Reconnaissance Study		Service	17101000S	The provision of personnel and equipment to conduct study and propose optimal solution to acquire and process geological data such as but not limited to surface geochemistry and time Lapse	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
371	Geological & Geophysical (G&G)	G&G Consultancy Services	Geophysical Feasibility Study		Service	17101100S	The provision of personnel and equipment to conduct study and propose optimal solution to acquire and process geophysical data such as but not limited to time-lapse, multi-component, reservoir characterization and illumination	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
372	Geological & Geophysical (G&G)	G&G Consultancy Services	Geophysical QC & Consultancy Services		Service	17101200S	Provision of manpower supply for consultancy services for geophysical data acquisition & data processing, seismic modeling, geomatics & HSE activities	General	L	-	Self-operated Agent	30 51	No	0
373	Geological & Geophysical (G&G)	G&G Consultancy Services	Integrated Full Field Review		Service	17101300S	The provision to conduct full field review study	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
374	Geological & Geophysical (G&G)	General Geomatics Survey	3-D Structural Survey		Service	17111000S	Provision of personnel, equipment and services to map surface/underwater natural & man made structure using terrestrial/underwater 3D scanning	General	L	-	Self-operated	30	No	0
375	Geological & Geophysical (G&G)	General Geomatics Survey	MetOcean & Hydrographic Survey		Service	17111100S	The provision of personnel, equipments and services for Meteorological Survey (including analysis, study and advice to provide weather forecast report and studies), Oceanographic Survey (including analysis, study and advice to collect and analyze metocean data) and Hydrographic Survey to map seabed topography	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
376	Geological & Geophysical (G&G)	General Geomatics Survey	Topographical & Engineering Survey		Service	17111200S	Provision of personnel, equipment and services to map land topography and man made features	General	L/R	-	Self-operated	30	No	0
377	Geological & Geophysical (G&G)	General Geophysical Data Services	Geography Information System (GIS)		Service	17121000S	The provision of services related to acquisition, processing, managing, analyze and monitoring E&P data and E&P GIS application development	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
378	Geological & Geophysical (G&G)	General Geophysical Data Services	Geological & Geophysical Data Storage		Service	17121100S	The provision of services for geological & geophysical data storage such as but not limited to core, fluid, cutting sample, seismic, navigation, gravity, magnetic, and electromagnetic	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
379	Geological & Geophysical (G&G)	General Geophysical Data Services	Other Geological & Geophysical Services		Service	17121200S	The provision of services for tape copying, digitising, plotting, formatting, scanning, vectorising	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
380	Geological & Geophysical (G&G)	Geological Analysis While Drilling			Service	17130000S	The provision of geological analysis while drilling such as but not limited to biostratigraphy, geochemistry and sedimentology	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
381	Geological & Geophysical (G&G)	Geology Fieldwork & Sampling			Service	17140000S	The provision of geological fieldwork such as but not limited to structural geology, geochemistry, biostratigraphy, sedimentology and unconventional	General	L	-	Self-operated	30	No	0
382	Geological & Geophysical (G&G)	Geology Modeling Services	Geochemistry & Basin		Service	17151000S	The provision of geochemical & basin modelling services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
383	Geological & Geophysical (G&G)	Geology Modeling Services	Pore Pressure Prediction		Service	17151100S	The provision of pore pressure prediction modelling	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
384	Geological & Geophysical (G&G)	Geology Modeling Services	Reservoir		Service	17151200S	The provision of reservoir modelling services (i.e. static and dynamic)	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
385	Geological & Geophysical (G&G)	Geology Modeling Services	Structural Geology		Service	17151300S	The provision of structural geology/geomechanics modelling services such as but not limited to fault seal analysis, regional structural trend and fracture analysis	Strategic	L	Refer to MTR	Self-operated	30	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
386	Geological & Geophysical (G&G)	Non-seismic Survey	Electromagnetic Data Processing/Reprocessing		Service	17161000S	The provision of personnel, equipment & services for electromagnetic data processing/reprocessing and interpretation	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
387	Geological & Geophysical (G&G)	Non-seismic Survey	Electromagnetic Feasibility Study		Service	17161100S	The provision of personnel & equipment to conduct study and propose an optimal survey design to acquire and process electromagnetic data	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
388	Geological & Geophysical (G&G)	Non-seismic Survey	Electromagnetic Survey - Land		Service	17161200S	The provision of personnel, equipment & services for land electromagnetic data acquisition, processing and interpretation	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
389	Geological & Geophysical (G&G)	Non-seismic Survey	Electromagnetic Survey - Marine		Service	17161300S	The provision of personnel, equipment & services for marine electromagnetic data acquisition, processing and interpretation	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
390	Geological & Geophysical (G&G)	Non-seismic Survey	Magnetic & Gravity Data Interpretation		Service	17161400S	The provision of personnel, equipment & services for magnetic & gravity data processing/reprocessing and interpretation	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
391	Geological & Geophysical (G&G)	Non-seismic Survey	Magnetic & Gravity Survey - Aerial		Service	17161500S	The provision of personnel, equipment & services for aeromagnetic & gravity data acquisition, processing & interpretation	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
392	Geological & Geophysical (G&G)	Non-seismic Survey	Magnetic & Gravity Survey - Land		Service	17161600S	Provision of personnel, equipments & services for land magnetic & gravity data for G&G interpretation	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
393	Geological & Geophysical (G&G)	Non-seismic Survey	Survey Vessel		Service	17161700S	The provision of Survey Vessel including personnel, designed and equipped to carry out survey at sea for the purpose of hydrography, general oceanography, environmental, etc.	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator Agent	30 51 51	Yes	3
394	Geological & Geophysical (G&G)	Positioning	Positioning - Offshore		Service	17171000S	Provision of personnel, equipment & services to determine the position for drilling, engineering and seismic activities (offshore), Vessel Management System (VMS)	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
395	Geological & Geophysical (G&G)	Positioning	Positioning - Onshore		Service	17171100S	Provision of personnel, equipment & services to determine the position for drilling, engineering and seismic activities (onshore)	Strategic	L	Refer to MTR	Self-operated	30	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
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396	Geological & Geophysical (G&G)	Remote Sensing			Service	17180000S	Provision of personnel, equipment & services for acquisition of remote sensing data (satellite, radar images) & services for geological, geophysical & geomatics application	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
397	Geological & Geophysical (G&G)	Sample Analysis, Preservation, Handling & Transportation	Fluid Sampling Services		Service	17191000S	The provision of routine fluids sample analysis for geochemistry & reservoir fluid studies , PVT, crude, gas & water, and sample handling, storage and transportation of fluid (PVT Fluid Sample) analyzed sample	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
398	Geological & Geophysical (G&G)	Sample Analysis, Preservation, Handling & Transportation	Rock Sampling Services		Service	17191100S	The provision of routine rock sample analysis for structural geology, geochemistry, biostratigraphy, sedimentology and petrophysical analyses, and sample handling, storage and transportation of rock analysed sample	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
399	Geological & Geophysical (G&G)	Sample Analysis, Preservation, Handling & Transportation	Specialized Sample Analysis		Service	17191200S	The provision of specialized sample analysis such as but not limited to fluid inclusion, carbon isotope and GC/MS/MS	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
400	Geological & Geophysical (G&G)	Seismic Services	G&G Data Interpretation Services		Service	17201000S	The provision of personnel, equipment & services for G&G data interpretation services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
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401	Geological & Geophysical (G&G)	Seismic Services	G&G Interpretation/M apping Systems		Service	17201100S	The provision of purchase/lease of equipment & maintenance services for G&G Interpretation/mapping systems	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
402	Geological & Geophysical (G&G)	Seismic Services	Land Seismic Data Acquisition		Service	17201200S	The provision of personnel, equipment & services for 2D & 3D land seismic data acquisition	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
403	Geological & Geophysical (G&G)	Seismic Services	Marine Seismic Data Acquisition - 2D/3D/4D		Service	17201300S	The provision of personnel, equipments & services for 2D/3D/4D marine seismic data acquisition	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
404	Geological & Geophysical (G&G)	Seismic Services	Multicomponent Seismic Acquisition		Service	17201400S	The provision of personnel, equipment & services for multicomponent seismic data acquisition (i.e. OBC,OBN & OBS)	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
405	Geological & Geophysical (G&G)	Seismic Services	Seismic Data Processing/Repr ocessing		Service	17201500S	The provision of personnel, equipment & services for seismic data processing/reprocessing	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
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406	Geological & Geophysical (G&G)	Seismic Services	Seismic Modelling Services		Service	17201600S	The provision of personnel, equipment & services for seismic modelling services such as but not limited to seismic inversion, AVO and rock property inversion	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
407	Geological & Geophysical (G&G)	Seismic Services	Transition Zone Seismic Data Acquisition		Service	17201700S	The provision of personnel, equipments & services for transition zone (near shore <20m water depth) seismic data acquisition	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
408	Geological & Geophysical (G&G)	Site Investigation	Offshore Soil Investigation		Service	17211000S	The provision of manpower, materials, equipment, services and facilities for offshore soil investigation and soil testing activities	General	L/R	-	Self-operated	30	No	0
409	Geological & Geophysical (G&G)	Site Investigation	Site Investigation - Offshore		Service	17211100S	Provision of personnel, equipment & services for analogue (e.g. bathymetry, side scan sonar, sub-bottom profiler (including AUV for deepwater)), digital survey & drop core for well, platform & pipeline (offshore) site investigation	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
410	Geological & Geophysical (G&G)	Site Investigation	Site Investigation - Onshore		Service	17211200S	Provision of personnel, equipment & services for topographical data for Well, Platform & Pipeline (Onshore) site investigation, Underground Utilities Detection	Strategic	L	Refer to MTR	Self-operated	30	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
411	Health, Safety, Security, & Environment	Environmental Sustainability	Climate Change Services		Service	18101000S	The provision of climate change services such as but not limited to greenhouse gas emissions, reduction, validation and verification as well as climate change adaptation	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
412	Health, Safety, Security, & Environment	Environmental Sustainability	Sustainability Services		Service	18101100S	The provision of services related to sustainability report writing in accordance with international standards and other regulatory requirements (Note: Familiar with Global reporting Initiatives- GRI & IPIECA Sustainability Reporting requirements)	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
413	Health, Safety, Security, & Environment	HSE Consultancy Services	Environment Consultancy		Service	18111000S	The provision of environment consultancy services such as but not limited to Environmental Impact Assessment, Environmental Risk Assessment, ISO 14001, Environmental Baseline Survey and Environmental Monitoring	General	L/R	-	Self-operated	51	No	0
414	Health, Safety, Security, & Environment	HSE Consultancy Services	Industrial Hygiene Survey & Services		Service	18111100S	The provision of Industrial Hygiene Survey and Consultancy services such as but not limited to Health Risk Assessment, Chemical Health Risk Assessment, Indoor Air Quality, Noise Monitoring Services and Dust Monitoring Services	General	L/R	-	Self-operated	51	No	0
415	Health, Safety, Security, & Environment	HSE Consultancy Services	Occupational Health Consultancy		Service	18111200S	The provision of Occupational Health Consultancy services such as but not limited to Health Impact Assessment, Biological Vector Control and Local Health Facility Assessment	General	L/R	-	Self-operated	51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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416	Health, Safety, Security, & Environment	HSE Consultancy Services	Road Transport Safety Consultancy		Service	18111300S	The provision of road transport safety consultancy services such as but not limited to route hazard mapping, road safety audit, safety campaign & programs, emergency response services and transporter audit	General	L/R	-	Self-operated	30	No	0
417	Health, Safety, Security, & Environment	HSE Consultancy Services	Safety Consultancy		Service	18111400S	The provision of safety consultancy services such as but not limited to Risk Assessment, Safety Report, Behavior Safety, Process Safety & Fire Safety, OHSAS (Occupational Health & Safety Assessment System) 18001, HAZOP (Hazard & Operability Analysis), IPF (Instrumented Protective Function) and SAFOP (Safety & Operability) Study	General	L/R	-	Self-operated	30	No	0
418	Health, Safety, Security, & Environment	HSE Consultancy Services	Safety, Survival & Specialised Skills Training & Consultancy		Service	18111500S	The provision of Safety, Survival & Specialised Skills Training & Consultancy related to HSE regulatory and non-regulatory training such as but not limited to safety & health officer, hygiene technician, radiation protection officer/supervisor, scaffold inspector, HSE awareness and skill training	General	L/R	-	Self-operated	30	No	0
419	Health, Safety, Security, & Environment	HSE Consultancy Services	Social Assessment Consultancy		Service	18111600S	The provision of Social Performance Consultancy services such as but not limited to Social Impact Assessment, Social Risk Assessment, Human Rights Due Diligence, Social Baseline Survey and social audit and assurance, and any social performance related services	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
420	Health, Safety, Security, & Environment	Medical Equipment	Ambulance		Product	18121000P	To design, assemble, install, test, supply, deliver, commission ambulance and conduct training on operation	General	L/R	-	Manufacturer Assembler	30 30	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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421	Health, Safety, Security, & Environment	Medical Equipment	Other Medical Equipment		Product	18121100P	To supply and deliver Medical Supplies and Medical Equipment.	General	L/R	-	Manufacturer Dealer	30 51	No	0
422	Health, Safety, Security, & Environment	Medical Services			Service	18130000S	The provision of manpower, material, consumables, facility and equipment for management and operation of Medical Services (e.g. blood test, urine test, management & operation of medical clinics, etc.) and Medical Specialized Services (e.g. providing medical advice, treatment and medical assistance at facilities, include medevac for injured person to the hospital, etc.)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
423	Health, Safety, Security, & Environment	Monitoring & Detection Systems and Maintenance	Continuous Emission Monitoring System		Product	18141000P	To design, supply, deliver, install, calibrate and commission continuous emission monitoring system (i.e. DOE Continuous Emission Monitoring System)	Strategic	L/R	Refer to MTR	Manufacturer Dealer	30 51	Yes	1
424	Health, Safety, Security, & Environment	Monitoring & Detection Systems and Maintenance	Equipment Maintenance & Calibration		Service	18141100S	The provision of manpower, material, consumables and equipment such as but not limited to noise equipment, gas meter, noise booth and industrial hygiene equipment	General	L/R	-	Self-operated	51	No	0
425	Health, Safety, Security, & Environment	Monitoring & Detection Systems and Maintenance	Fire Monitoring System		Product	18141200P	To design, supply, deliver, install, calibrate and commission Fire Monitoring System (i.e. Bomba Computerized Monitoring System)	General	L/R	-	Manufacturer Dealer	30 51	No	0

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426	Health, Safety, Security, & Environment	Monitoring & Detection Systems and Maintenance	Pipeline Leak Detection System (PLDS)		Product	18141300P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
427	Health, Safety, Security, & Environment	Monitoring & Detection Systems and Maintenance	Portable Sampling & Monitoring System	Environment Quality Monitoring	Product	18141410P	To design, supply, deliver, install, calibrate and commission Environment Quality Monitoring such as but not limited to Air Sampler and Analyzer	General	L/R	-	Manufacturer Dealer	30 51	No	0
428	Health, Safety, Security, & Environment	Monitoring & Detection Systems and Maintenance	Portable Sampling & Monitoring System	Industrial Hygiene	Product	18141411P	To design, supply, deliver, install, calibrate and commission Industrial Hygiene related products such as but not limited to noise equipment, gas meter, noise booth, Industrial hygiene equipment, exposure monitoring for BTX, kerosene and noise	General	L/R	-	Manufacturer Dealer	30 51	No	0
429	Health, Safety, Security, & Environment	Monitoring & Detection Systems and Maintenance	Portable Sampling & Monitoring System	Portable Gas Detector	Product	18141412P	To design, supply, deliver, install, calibrate and commission Portable Gas Detector such as but not limited to multi gas meter and Lower Explosive Limit (LEL) meter	General	L/R	-	Manufacturer Dealer	30 51	No	0
430	Health, Safety, Security, & Environment	Monitoring & Detection Systems and Maintenance	Radiation Survey, Monitoring & Services		Service	18141500S	The provision of Radiation Survey, Monitoring & Services such as but not limited to radioactive material and TENORM including but not limited to monitoring, analysis, mapping, decontamination and waste handling	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1

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431	Health, Safety, Security, & Environment	Protection Equipment	A60/AO Windows		Product	18151000P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
432	Health, Safety, Security, & Environment	Protection Equipment	Eye Wash Station & Shower		Product	18151100P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
433	Health, Safety, Security, & Environment	Protection Equipment	Fire Resistant Doors		Product	18151200P	To design, supply, deliver and install Fire Resistant Doors	Strategic	L/R	Refer to MTR	Manufacturer	30	Yes	1
434	Health, Safety, Security, & Environment	Protection Equipment	Helicopter Crash Rescue Equipment		Product	18151300P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
435	Health, Safety, Security, & Environment	Protection Equipment	Module Cladding Firewalls & Decking		Product	18151400P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0

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436	Health, Safety, Security, & Environment	Protection Equipment	Personnel Protection Equipment		Product	18151500P	To supply and deliver Personnel Protection Equipment (PPE) for General Equipment (e.g. safety helmet, hearing protection, safety boot, safety glass, safety gloves, coverall, etc.) and Specialized Equipment (e.g. respirator, chemical suit, fall arrest equipment, etc.)	General	L/R	-	Manufacturer Dealer	30 51	No	0
437	Health, Safety, Security, & Environment	Protection Equipment	Rocket Line Throwing Apparatus		Product	18151600P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
438	Health, Safety, Security, & Environment	Protection Equipment	Self Contained Breathing Apparatus		Product	18151700P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
439	Health, Safety, Security, & Environment	Remediation & Recovery Services	Soil/Land Remediation		Service	18161000S	The provision of manpower, material, consumables and equipment to conduct soil/land remediation	General	L/R	-	Self-operated	51	No	0
440	Health, Safety, Security, & Environment	Remediation & Recovery Services	Spill Control Support & Clean-up Services		Service	18161100S	The provision of manpower, materials, consumables and equipment for oil or chemical (solid or liquid) spill control support and clean-up services	General	L/R	-	Self-operated	51	No	0

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441	Health, Safety, Security, & Environment	Remediation & Recovery Supply	Dispersant Chemical		Product	18171000P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
442	Health, Safety, Security, & Environment	Remediation & Recovery Supply	Oil/Chemical Spill Response Equipment & Accessories		Product	18171100P	To supply and deliver Oil/Chemical Spill Response Equipment & Accessories such as but not limited to Skimmer, Boom and Absorbents	General	L/R	-	Manufacturer Dealer	30 51	No	0
443	Health, Safety, Security, & Environment	Safety & Firefighting Services	Fixed Fire Protection Systems		Service	18181000S	The provision of manpower, materials, consumables, equipment and facilities for maintenance and testing of fixed fire protection systems	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
444	Health, Safety, Security, & Environment	Safety & Firefighting Services	Mobile Fire Fighting Appliances Servicing		Service	18181100S	The provision of Mobile Fire Fighting Appliances Servicing such as but not limited to fire trucks, fire extinguisher, fire hose/fire nozzle and foam branch	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
445	Health, Safety, Security, & Environment	Safety/Firefighting Equipment	Fire and Gas System		Product	18191000P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Fire and Gas System for process area inclusive of beacons, sounder, fire alarm panel	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
446	Health, Safety, Security, & Environment	Safety/Firefighting Equipment	Fire Engine/Tenders		Product	18191100P	To design, assemble, install, test, supply, deliver, commission fire engines/tenders and conduct training on operation	Strategic	L/R	Refer to MTR	Manufacturer Assembler	30 30	Yes	1
447	Health, Safety, Security, & Environment	Safety/Firefighting Equipment	Fire Protection System for Building		Product	18191200P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Fire Protection System for Building	Strategic	L/R	Refer to MTR	Manufacturer System Integrator	30 51	Yes	1
448	Health, Safety, Security, & Environment	Safety/Firefighting Equipment	HAZMAT Equipment & Vehicles		Product	18191300P	To design, assemble, install, test, supply, deliver, commission and conduct training on operation for Hazardous Material (HAZMAT) Equipment & Vehicles	Strategic	L/R	Refer to MTR	Assembler Dealer	30 51	Yes	1
449	Health, Safety, Security, & Environment	Safety/Firefighting Equipment	Other Safety/Firefighting Equipment		Product	18191400P	To supply and deliver Other Safety/Firefighting Equipment such as but not limited to Deluge Valve, Sprinkler System & Accessories, Portable Extinguisher, Fire Hose and Ancillaries, Fire Suit, Foam Compound, Fire Blankets, Fire Monitors and Fire Suppression Agent (E.g. FM200, Nitrogen, Inergent, CO2,AAAF, etc.)	General	L/R	0	Manufacturer Dealer	30 51	No	0
450	Health, Safety, Security, & Environment	Security Management	Security Services		Service	18201000S	The provision of security services not limited to site installation, cash in transit, and surveillance system inspection & maintenance	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
451	Health, Safety, Security, & Environment	Security Management	Security Equipment & Surveillance System		Product	18201100P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Security Equipment and Surveillance System such as but not limited to CCTV, motion detection and perimeter intrusion detection	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
452	Health, Safety, Security, & Environment	Security Management	Security Equipment & Surveillance System Maintenance		Service	18201200S	The provision of labour, materials, consumables, equipment and facilities necessary for design, repair, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Security Equipment and Surveillance System Maintenance such as but not limited to Access control, CCTV and PAGA	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
453	Health, Safety, Security, & Environment	Survival Equipment & Materials	Escape Capsule & Accessories		Product	18211000P	-	General	L	-	Manufacturer Agent	30 51	No	0
454	Health, Safety, Security, & Environment	Survival Equipment & Materials	Escape Ropes		Product	18211100P	-	General	L/R	Frozen (VDP)	Manufacturer Dealer	30 51	No	0
455	Health, Safety, Security, & Environment	Survival Equipment & Materials	Escape System		Product	18211200P	To supply and deliver escape system related equipment such as but not limited to confine space rescue equipment, personal locator equipment and high level rescue equipment	General	L/R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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456	Health, Safety, Security, & Environment	Survival Equipment & Materials	Life/Work Vests		Product	18211300P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
457	Health, Safety, Security, & Environment	Survival Equipment & Materials	Liferaft & Accessories		Product	18211400P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
458	Health, Safety, Security, & Environment	Survival Equipment & Materials	Liferaft (Self-Inflating)		Product	18211500P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
459	Health, Safety, Security, & Environment	Survival Equipment & Materials	Liferings & Accessories		Product	18211600P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
460	Health, Safety, Security, & Environment	Survival Equipment & Materials	Rescue Boat		Product	18211700P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0

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Updated SWEC							Updated SWEC Attributes							
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461	Health, Safety, Security, & Environment	Survival Equipment & Materials	Scramble Nets		Product	18211800P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
462	Health, Safety, Security, & Environment	Survival Equipment & Materials	Survival Kits		Product	18211900P	To supply and deliver survival kits such as but not limited to sleeping bag and ration	General	L/R	-	Manufacturer Dealer	30 51	No	0
463	Health, Safety, Security, & Environment	Survival Equipment Services	Free Fall		Service	18221000S	The provision of servicing free fall survival craft	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
464	Health, Safety, Security, & Environment	Survival Equipment Services	Liferaft		Service	18221100S	The provision of life raft services and maintenance	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
465	Health, Safety, Security, & Environment	Survival Equipment Services	Life Saving Appliances Services		Service	18221200S	The provision of manpower, material, consumables and equipment for life saving appliances services such as but not limited to SCBA and escape set	General	L/R	-	Self-operated	51	No	0

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466	Health, Safety, Security, & Environment	Survival Equipment Services	Repair & Recertification of Escape Capsule		Service	18221300S	-	General	L/R	-	Self-operated	51	No	0
467	Health, Safety, Security, & Environment	Survival Equipment Services	Single Fall		Service	18221400S	The provision of servicing single fall survival craft	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
468	Health, Safety, Security, & Environment	Survival Equipment Services	Twin fall		Service	18221500S	The provision of servicing twin fall survival craft	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
469	Health, Safety, Security, & Environment	Waste management	Biological/Clinical Waste Disposal		Service	18231000S	The provision of manpower, equipment, transportation and facilities for biological/clinical waste disposal but not limited to microwave treatment	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
470	Health, Safety, Security, & Environment	Waste management	Decontamination Services		Service	18231100S	The provision of manpower, materials, consumables and equipment for decontamination services such as but not limited to biological, chemical and radioactive contamination	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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Updated SWEC							Updated SWEC Attributes							
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471	Health, Safety, Security, & Environment	Waste management	Mercury Integrated Services		Service	18231200S	The provision of manpower, material, equipment, consumables and disposal for mercury integrated services inclusive of comprehensive HAZMAT (mercury) training, mercury mapping/survey, offline mercury decontamination, mercury waste handling, mercury HAZMAT supervision (monitoring), non-biological mercury analysis and Mercury Removal Unit (MRU) monitoring.	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
472	Health, Safety, Security, & Environment	Waste management	Off-Site Scheduled Waste Storage Services		Service	18231300S	The provision of manpower, equipment and facilities for off-site scheduled waste storage services	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
473	Health, Safety, Security, & Environment	Waste management	Off-Site Scheduled Waste Treatment, Recycle & Recovery		Service	18231400S	The provision of manpower, materials, consumables, equipment and facilities necessary for Off-Site Scheduled Waste Treatment, Recycle & Recovery	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
474	Health, Safety, Security, & Environment	Waste management	On-Site Scheduled Waste Treatment		Service	18231500S	The provision of manpower, materials, consumables, equipment and facilities in Malaysia necessary for on-site scheduled waste treatment	General	L/R	-	Self-operated	51	No	0
475	Health, Safety, Security, & Environment	Waste management	Radioactive Waste Disposal		Service	18231600S	The provision of manpower, equipment, transportation and facilities for disposal of radioactive waste	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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476	Health, Safety, Security, & Environment	Waste management	Scheduled Waste Disposal		Service	18231700S	The provision of manpower, equipment, transportation and facilities for scheduled waste disposal but not limited to physical chemical treatment (PCT), Solidification, landfill or incineration	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
477	Health, Safety, Security, & Environment	Waste management	Scheduled Waste Transportation		Service	18231800S	The provision of manpower, equipment and transportation for scheduled waste transportation	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
478	Human Resource Services	Capability Development	Training Facility	Hotel/Venue for Seminar - Local	Service	19111710S	NA	NA	NA	NA	NA	NA	NA	NA
479	Human Resource Services	Capability Development	Training Facility	Hotel/Venue for Seminar - Overseas	Service	19111711S	NA	NA	NA	NA	NA	NA	NA	NA
480	Human Resource Services	Manpower Supply	General Manpower		Service	19121000S	The provision of general manpower supply such as but not limited to labour supply, non-technical manpower for office (e.g. clerk, supervisor, secretaries, executives, etc.) and security personnel (e.g. security advisor, private investigator, etc.).	General	L/R	-	Self-operated	51	No	0

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
481	Human Resource Services	Manpower Supply	Skilled Manpower		Service	19121200S	The provision of Skilled Manpower services such as but not limited to Skilled Technician, Skilled Electrical Manpower (e.g. Technician/ Electrician, PW1 Wireman – PW4 Wireman, A0 Chargeman - A4 Chargeman, B0 Chargeman - B4 Chargeman, etc.), Telecon, Skilled Coded Welders, Radio, Telex, Switchboard Operators, Skilled Machinist, Skilled Offshore Crane Operator, Skilled Instrument Manpower (e.g. fitter, supervisor, foremen, etc.), Skilled Welding Inspector, Painting Inspector and Drilling, Completion and Workover Support Staff.	General	L/R	-	Self-operated	51	No	0
482	Human Resource Services	Manpower Supply	Specialist Manpower		Service	19121300S	The provision of Specialist Manpower Services such as but not limited to HSE Specialist, skilled construction technical personnel, drilling, completion and workover specialist, geoscience specialist, lecturing & training personnel, competent manpower for Marine operation, technical manpower for MCI services, experienced and competent manpower for naval architecture in the field of mooring, hydrodynamics and stability, specialist civil & structural personnel, specialist electrical manpower, Instrumentation manpower, mechanical/piping specialist, mechanical rotating manpower, specialist pipeline manpower, manpower specialist in the field of Process, Utility & Waste Water and Advance Control and Subsea Specialist.	General	L/R	-	Self-operated Agent	30 51	No	0
483	Instrumentation & Control Equipment and Services	Certification & Consultancy Services	Calibration of Measurement System		Service	20101000S	The provision of labour, consumables, equipment and facilities related to testing, calibration and validation such as metering system and equipment used for such work for trade purposes is to be traceable to national and international standard	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
484	Instrumentation & Control Equipment and Services	Certification & Consultancy Services	Measurement/Metering of Hydrocarbon Consultancy		Service	20101100S	The provision of Measurement/Metering Consultancy work such as development of Measurement Concept, Metering Project execution consultancy, study related to metering matters and hydrocarbon allocation. Audit and assessment on Metering System and Hydrocarbon Allocation System	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2
485	Instrumentation & Control Equipment and Services	Control Panels	Annunciator/Master Shutdown Panel		Product	20111000P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Annunciator/Master Shutdown Panel	Strategic	L	Refer to MTR	Manufacturer System Integrator Agent	30 30 51	Yes	3

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
486	Instrumentation & Control Equipment and Services	Control Panels	Instrument Control Panel		Product	20111100P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Instrument Control Panel	Strategic	L	Refer to MTR	Manufacturer System Integrator Agent	30 30 51	Yes	3
487	Instrumentation & Control Equipment and Services	Control Panels	Wellhead Control Panel		Product	20111200P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Wellhead Control Panel	Strategic	L	Refer to MTR	Manufacturer System Integrator Agent	30 30 51	Yes	3
488	Instrumentation & Control Equipment and Services	Controllers	Electronic Type		Product	20121000P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and provide training of Electronic Type controllers such as but not limited to Single Loop Controller, Anti Surge Controller, Governor Controller and Turbine Controller	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
489	Instrumentation & Control Equipment and Services	Controllers	Pneumatic Type Controllers		Product	20121100P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and provide training of Pneumatic Controllers	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
490	Instrumentation & Control Equipment and Services	Controllers	Programmable Controllers		Product	20121200P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of General PLC (non safety type)	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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491	Instrumentation & Control Equipment and Services	Convertors			Product	20130000P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of convertors such as but not limited to I/P Converter, I/H Convertor, Protocol Convertor and Media Convertor	General	L	-	Manufacturer Agent	30 51	No	0
492	Instrumentation & Control Equipment and Services	Custody Metering	Gas Metering - Custody Transfer/Fiscal Allocation System		Product	20141000P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Gas Metering - Custody Transfer/Fiscal Allocation System	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
493	Instrumentation & Control Equipment and Services	Custody Metering	Gas Metering - General		Product	20141100P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Gas Metering - General including flare, fuel and product allocation	General	L/R	-	Manufacturer Agent	30 51	No	0
494	Instrumentation & Control Equipment and Services	Custody Metering	Liquid Metering		Product	20141200P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Liquid Metering - General including fuel and product allocation	General	L/R	-	Manufacturer Agent	30 51	No	0
495	Instrumentation & Control Equipment and Services	Custody Metering	Tank Gauge		Product	20141300P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Tank Gauge	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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496	Instrumentation & Control Equipment and Services	Custody Metering	Test & Calibration - Custody Metering		Service	20141400S	The provision of custody metering test & calibration related works	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
497	Instrumentation & Control Equipment and Services	Custody Metering	Weighing Machine Equipment		Product	20141500P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Weighing Machine Equipment	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
498	Instrumentation & Control Equipment and Services	Custody Metering	Wet Gas Metering		Product	20141600P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Wet Gas Metering	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
499	Instrumentation & Control Equipment and Services	Emergency Shutdown (ESD) System			Product	20150000P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Emergency Shutdown System (ESD) such as but not limited to Safety Programmable Logic Controller (TUV Rhineland certified and tested to IEC 61508), Electro Mechanical Relay Shutdown System, Pneumatic Shutdown System and Solid State Shutdown System	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
500	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Analyser/QMI Process Instruments and Sampling System	Continuous Emission Monitoring System (CEMS) & Sampling System	Service	20161011S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Continuous Emission Monitoring System (CEMS) and sampling system	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2

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501	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Analyser/QMI Process Instruments and Sampling System	Gas Chromatograph & Sampling System	Service	20161012S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Gas Chromatograph and Sampling System	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
502	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Analyser/QMI Process Instruments and Sampling System	General Analyser/QMI Process Instruments, Analyzer House & Sampling System	Service	20161013S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of General Analyser/QMI Process Instruments Including liquid & gas analyser application such as mercury, H2S, CO2, portable analyzer and Analyzer Shelter/House	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
503	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Analyser/QMI Process Instruments and Sampling System	Specialized Analyzer	Service	20161014S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Specialized Analyzer such as but not limited to Mass Spectrometer, Tunable Laser Diode (TLD) and Near Infrared (NIR)	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
504	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Electronic/Digital Transmitters		Service	20161100S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, refurbish, upgrading, change out/replacement, maintenance, troubleshooting, testing and calibration of Electronic/Digital Transmitters including In-line flow meter, tank gauging system	General	L/R	-	Self-operated	51	No	0
505	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Fiber Optics		Service	20161200S	The provision of labour, materials, consumables, equipment and facilities necessary for repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Fiber Optics	General	L/R	-	Self-operated	51	No	0

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506	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Instrument Cabling & Wiring Works		Service	20161300S	The provision of labour, materials, consumables, equipment and facilities necessary for repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Instrument Cabling & Wiring Works	General	L/R	-	Self-operated	51	No	0
507	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Multiphase Flow Meter		Service	20161400S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Multiphase Flow Meter	General	L/R	-	Self-operated Agent	51 51	No	0
508	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Pilot Ignitor & Flame Scanner		Service	20161500S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, upgrading, change out/replacement, troubleshooting, testing and commissioning of Pilot Ignitor & Flame Scanner	General	L/R	-	Self-operated Agent	51 51	No	0
509	Instrumentation & Control Equipment and Services	Field Instrumentation Maintenance	Radioactive Based Instrument Maintenance		Service	20161600S	The provision of labour, consumables, equipment and facilities necessary for testing, calibration, repair, replacement, transportation and removal of Radioactive Based Instrument	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
510	Instrumentation & Control Equipment and Services	Field Instruments	Electronic Tools, Test & Calibration Equipment		Product	20171000P	To supply and deliver Electronic Tools, Test & Calibration Equipment such as but not limited to Dead Weight Tester, Calibrators and Condition Monitoring Device	General	L	-	Manufacturer Dealer	30 51	No	0

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511	Instrumentation & Control Equipment and Services	Field Instruments	Fire & Gas Detectors		Product	20171100P	To supply and deliver Fire & Gas Detectors such as but not limited to Gas Detector, Smoke Detector, Fire/Heat Detector, Ultra Violet and Infra Red Flame Detector and Visual Flame Detector	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
512	Instrumentation & Control Equipment and Services	Field Instruments	Flow Instruments		Product	20171200P	To design, engineer, procure, supply, deliver, install, hook up, test, commission and training of Flow Instruments such as but not limited to Orifice Bodies (Fittings, Flanges, Plates), Cone Meter, Coriolis, Electronic Flow Recorder, Flow Computers, Flow Nozzle, Flow Switches, Flow Transmitter, Magnetic, Pitot/Annubar, Pneumatic Flow/Temperature/Pressure Recorder, Positive Displacement Flow Meter, Rotameter, Sight Flow Indicators, Thermal Mass Flow Meter, Turbine Flowmeters, Ultrasonic Type, Venturi Tube, Vortex, Target Meter, Non-conventional Flow Meter, etc.	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
513	Instrumentation & Control Equipment and Services	Field Instruments	Level Instruments		Product	20171300P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Level Instruments such as but not limited to Level Gauges/Glasses & Cocks, Capacitance/Resistance Type, Differential Pressure Type, Displacement Type, Float Operated Type, Level Switches, Level Transmitter, Ultrasonic Type, Radar Type, Nucleonic Type and Tuning Fork	Strategic	L	Refer to MTR	Manufacturer Agent	0	Yes	1
514	Instrumentation & Control Equipment and Services	Field Instruments	Machine Monitoring Sensors		Product	20171400P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Machine Monitoring Sensors	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
515	Instrumentation & Control Equipment and Services	Field Instruments	Monitoring Equipment	Electronic Counter	Product	20171510P	-	General	L	-	Manufacturer Agent	30 51	No	0

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
516	Instrumentation & Control Equipment and Services	Field Instruments	Monitoring Equipment	Sand Probe	Product	20171511P	-	General	L	-	Manufacturer Agent	30 51	No	0
517	Instrumentation & Control Equipment and Services	Field Instruments	Pressure Instruments		Product	20171600P	To supply and deliver Pressure Instrument such as but not limited to Pressure/DP Transmitter (inclusive conventional, HART and/or fieldbus, wireless), Pressure/DP Switches, Pressure Gauge and Pressure Transducers	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
518	Instrumentation & Control Equipment and Services	Field Instruments	Temperature Instruments		Product	20171700P	To design, engineer, procure, supply and deliver Temperature Instruments such as but not limited to Temperature Transmitters (inclusive conventional, HART and/or fieldbus, wireless), Temperature Switches, Thermowells, Temperature Gauge and Temperature Sensor/Element (Thermocouple/RTD/others)	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
519	Instrumentation & Control Equipment and Services	Field Instruments	Weighing & Measuring Metering & Sales System - Multiphase Metering		Product	20171800P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Multiphase Metering	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
520	Instrumentation & Control Equipment and Services	General Instrument Accessories	Fittings & Tubings		Product	20181000P	To supply and deliver Instrument Fittings & Tubings	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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521	Instrumentation & Control Equipment and Services	General Instrument Accessories	Other Instrument Accessories		Product	20181100P	To supply and deliver Other Instrument Accessories such as but not limited to safety barriers, surge protection device, isolators, instrument power supply, push button and beacons	General	L/R	-	Manufacturer Dealer	30 51	No	0
522	Instrumentation & Control Equipment and Services	General Instrument Maintenance			Service	20190000S	The provision of labour, materials, consumables, equipment and facilities necessary for design, repair, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of general instrument maintenance	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
523	Instrumentation & Control Equipment and Services	Instrument & Test Equipment Leasing/Rental			Service	20200000S	The provision of labour, consumables, equipment and facilities necessary for testing and monitoring of plant measurement application for instrumentation	General	L/R	-	Self-operated	51	No	0
524	Instrumentation & Control Equipment and Services	Instrumentation Cables			Product	20210000P	To supply and deliver Instrumentation Cables such as but not limited to flame retardant, fire resistant, fieldbus, thermocouple extension cable, intrinsically safe and fiber optic	General	L/R	-	Manufacturer Dealer	30 51	No	0
525	Instrumentation & Control Equipment and Services	Machinery Condition Monitoring System			Product	20220000P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission and training of Machinery Condition Monitoring System inclusive of probes, cables and transducers	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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526	Instrumentation & Control Equipment and Services	Process Control & Monitoring System	Distributed Control System (DCS)		Product	20231000P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Distributed Control System (DCS)	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
527	Instrumentation & Control Equipment and Services	Process Control & Monitoring System	SCADA System/Telemetry		Product	20231100P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of SCADA System/Telemetry	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
528	Instrumentation & Control Equipment and Services	Quality Measuring Instrument	Analyzer for Gas Application Including Sampling System		Product	20241000P	To supply and deliver Analyzer for Gas Application Including Sampling System such as but not limited to Moisture Analyser, Oxygen, CO2, IR analyser, GLC, H2, CO, No2 and So2	General	L	-	Manufacturer Agent	30 51	No	0
529	Instrumentation & Control Equipment and Services	Quality Measuring Instrument	Analyzer for Liquid Application Including Sampling System		Product	20241100P	To supply and deliver Analyzer for Liquid Application Including Sampling System such as but not limited to Oil/Water Content Analyser, Inline Capacitance Probe Reid Vapour & KVP, Density Meter, GLC, viscosity, pour point, colour, oil in water, mercury, conductivity and pH	General	L	-	Manufacturer Agent	30 51	No	0
530	Instrumentation & Control Equipment and Services	Sampling System			Product	20250000P	To design, engineer, procure, assemble, supply, deliver, install, hook up, test, commission Sampling System for metering and manual sampling including multiphase sampler	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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531	Instrumentation & Control Equipment and Services	Systems Maintenance	Advanced Process Control System (APCS)		Service	20261000S	-	General	L/R	-	Self-operated	51	No	0
532	Instrumentation & Control Equipment and Services	Systems Maintenance	Controllers Maintenance		Service	20261100S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, refurbish, upgrading, change out/replacement, maintenance, troubleshooting, testing and commissioning of Electronic/Digital Controllers	General	L/R	-	Self-operated Agent	51 51	No	0
533	Instrumentation & Control Equipment and Services	Systems Maintenance	DCS & PLC		Service	20261200S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Digital Control System (DCS) and Programmable Logic Controller (PLC)	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
534	Instrumentation & Control Equipment and Services	Systems Maintenance	Fire & Gas Detection & Alarm System		Service	20261300S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Fire & Gas Detection & Alarm System including but not limited to smoke and heat detection, infra-red heat detection, flammable and toxic gas detection and alarm panels	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	1
535	Instrumentation & Control Equipment and Services	Systems Maintenance	Safeguarding/Safety System		Service	20261400S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Safeguarding/Safety System	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2

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536	Instrumentation & Control Equipment and Services	Systems Maintenance	Transmitters		Service	20261500S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, refurbish, maintenance, testing and commissioning of Pneumatic/Hydraulic Transmitters including Pneumatic/Hydraulic Controllers	General	L/R	-	Self-operated	51	No	0
537	Instrumentation & Control Equipment and Services	Systems Maintenance	Turbo Machineries Instrument		Service	20261600S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, refurbish, upgrading, change out/replacement, modification, maintenance, troubleshooting, testing and commissioning of Turbo Machineries Instrument	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2
538	Logistics & Warehousing	Aviation	Aerial Surveillance - Manned & Unmanned		Service	21101000S	The provision of manpower, materials, consumables, equipment and facilities necessary for manned/unmanned aerial surveillance	General	L/R	-	Self-operated	51	No	0
539	Logistics & Warehousing	Aviation	Aviation Consultancy, Technical & Services Audit		Service	21101100S	The provision of manpower and technical services for aviation consultancy, inspection and audit such as but not limited to helideck inspection, perform audit on service provider capability, air operation consultancy and calibration services	General	L/R	-	Self-operated	51	No	0
540	Logistics & Warehousing	Aviation	Aviation Fuelling Services		Service	21101200S	The provision of manpower, equipment, facilities, maintenance and services for related aviation fueling such as but not limited to fuelling, defuelling, training, inspection and fuel testing	General	L/R	-	Self-operated	51	No	0

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541	Logistics & Warehousing	Aviation	Aviation Support Services		Service	21101300S	The provision of manpower, equipment, facilities, maintenance and services for aviation related services such as but not limited to training, Air Emergency Services and aircraft spare parts	General	L/R	-	Self-operated	51	No	0
542	Logistics & Warehousing	Aviation	Fixed Wing Services		Service	21101400S	The provision of manpower, equipment, facilities and services for fixed wing operation and maintenance including ground handling	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
543	Logistics & Warehousing	Aviation	Helicopter Services		Service	21101500S	The provision of manpower, equipment, facilities and services for helicopter operation and maintenance including ground handling	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
544	Logistics & Warehousing	Land	Cargo Transport & Freight Forwarding Services	Air Cargo Transport	Service	21111010S	The provision of manpower, equipment, facilities and services for Air Cargo Transport	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
545	Logistics & Warehousing	Land	Cargo Transport & Freight Forwarding Services	Freight Forwarding Services	Service	21111011S	The provision of freight forwarding services related to facilitate product delivery process such as but not limited to preparation of documents for customs declaration, customs clearance inclusion of pallet fumigation for both upstream and downstream	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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546	Logistics & Warehousing	Land	Cargo Transport & Freight Forwarding Services	Marine Cargo Transport	Service	21111012S	The provision of manpower, equipment, facilities and services for Marine Cargo Transport	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
547	Logistics & Warehousing	Land	Land Transportation	Haulage	Service	21111110S	The provision of transportation services using prime mover and trailer to transport containerized goods	General	L/R	-	Self-operated	51	No	0
548	Logistics & Warehousing	Land	Land Transportation	Passenger Vehicle	Service	21111111S	The provision of Passenger Vehicle Services using bus, van and car	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
549	Logistics & Warehousing	Land	Land Transportation	Rail	Service	21111112S	The provision of transportation services using rail to transport goods such as but not limited to chemicals, containerized goods and pipes	General	L/R	-	Self-operated	51	No	0
550	Logistics & Warehousing	Land	Land Transportation	Riverine	Service	21111113S	Provision for Transportation Service using Riverine Operation to carry petroleum product	General	R	-	Self-operated	0	No	0

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551	Logistics & Warehousing	Land	Land Transportation	Road Tanker	Service	21111114S	The provision of Road Tanker Services to transport bulk fuel products (e.g. jet fuel, gasoline, diesel, bitumen), NGV products, bulk LPG products and chemical products	General	L/R	-	Self-operated	30	No	0
552	Logistics & Warehousing	Land	Land Transportation	Trucking Services	Service	21111115S	The provision of Trucking Services related to Conventional Truck/General Cargo Truck to transport products including but not limited to finished goods, raw materials, equipment and LPG cylinders	General	L/R	-	Self-operated	30	No	0
553	Logistics & Warehousing	Marine	Fuel/ Oil		Product	21121000P	-	General	L/R	Frozen for ALL TYPES OF APPLICATION (Exclusively managed by PETRONAS)	Manufacturer Dealer	30 51	No	0
554	Logistics & Warehousing	Marine	Marine Accessories		Product	21121100P	To supply and deliver marine accessories products such as but not limited to shackles, timble, clips, mooring ropes, fibre ropes, chains, camlock and anchor	General	L/R	-	Manufacturer Dealer	30 51	No	0
555	Logistics & Warehousing	Marine	Marine Operations Services	Calibration of Measuring Instruments	Service	21121210S	-	General	L/R	-	Self-operated	30	No	0

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556	Logistics & Warehousing	Marine	Marine Operations Services	Classification Society Survey	Service	21121211S	The provision of carrying out classification for offshore structure	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
557	Logistics & Warehousing	Marine	Marine Operations Services	Cleaning & Disposal Services	Service	21121212S	The provision of personnel and equipment to carry out cleaning work and waste disposal such as but not limited to Pump Room, Cargo Tank, Fuel Oil Tank, Ballast Tank, Engine Room and Main Deck	General	L/R	-	Self-operated	51	No	0
558	Logistics & Warehousing	Marine	Marine Operations Services	Fuel Monitoring System	Service	21121213S	The provision of manpower and equipment to monitor fuel consumption	General	L	-	Self-operated Agent	30 51	No	0
559	Logistics & Warehousing	Marine	Marine Operations Services	Installation of Parts & Equipment	Service	21121214S	-	General	L/R	-	Self-operated	51	No	0
560	Logistics & Warehousing	Marine	Marine Operations Services	Marine Inspection/Audit /Survey	Service	21121215S	Provision of manpower to conduct marine inspection/audit/survey works such as but not limited to DP audit, Marine Warranty Survey and HSE audit	General	L/R	-	Self-operated	51	No	0

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561	Logistics & Warehousing	Marine	Marine Operations Services	Marine Vessel Salvage Services	Service	21121216S	-	General	L/R	-	Self-operated	30	No	0	
562	Logistics & Warehousing	Marine	Marine Operations Services	Service of Power Packs	Service	21121217S	-	General	L/R	-	Self-operated	30	No	0	
563	Logistics & Warehousing	Marine	Marine Operations Services	Service/Repair of Fire Detection System	Service	21121218S	The provision of Service/Repair of Fire Detection System	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1	
564	Logistics & Warehousing	Marine	Marine Operations Services	Shipchandling/Ship Provisions	Service	21121219S	-	General	L/R	-	Self-operated	30	No	0	
565	Logistics & Warehousing	Marine	Marine Operations Services	Specialised Survey-Damage Survey by Salvage Association Surveyor	Service	21121220S	-	General	L/R	-	Self-operated	51	No	0	

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566	Logistics & Warehousing	Marine	Marine Operations Services	Specialised Survey-Hull & Machinery Survey	Service	21121221S	-	General	L/R	-	Self-operated	51	No	0
567	Logistics & Warehousing	Marine	Marine Operations Services	Specialised Survey-Machinery Survey for Safety	Service	21121222S	-	General	L/R	-	Self-operated	51	No	0
568	Logistics & Warehousing	Marine	Marine Operations Services	Specialised Survey-Quality Surveying Services	Service	21121223S	The provision of personnel and equipment to carry out the quality surveying services/quality analysis such as but not limited to crude oil and produced water	General	L/R	-	Self-operated	51	No	0
569	Logistics & Warehousing	Marine	Marine Operations Services	Specialised Survey-Quantity Surveying Services	Service	21121224S	The provision of personnel and equipment to carry out the quantity surveying services such as but not limited to crude oil, diesel and brine	General	L/R	-	Self-operated	51	No	0
570	Logistics & Warehousing	Marine	Marine Operations Services	Specialised Survey-Radio Survey	Service	21121225S	-	General	L/R	-	Self-operated	30	No	0

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571	Logistics & Warehousing	Marine	Marine Operations Services	Thickness Gauging, Non-Destructive Tests Services	Service	21121226S	-	General	L/R	-	Self-operated	51	No	0
572	Logistics & Warehousing	Marine	Marine Security Services		Service	21121300S	The provision of manpower, equipment and vessel for Marine security services and supervision of security personnel	General	L/R	-	Self-operated	51	No	0
573	Logistics & Warehousing	Marine	Marine Services	Lashing, Mooring/Unmooring & Liftings	Service	21121410S	The provision of manpower and equipment for Lashing, Mooring/Unmooring & Liftings	Strategic	L/R	Refer to MTR	Self-operated	30	No	1
574	Logistics & Warehousing	Marine	Marine Services	Precool, Repairing Internal Machinery	Service	21121411S	The provision of manpower and equipment for Precool & Repairing Internal Machinery	Strategic	L/R	Refer to MTR	Self-operated	30	No	1
575	Logistics & Warehousing	Marine	Marine Services	Stuffing & Unstuffing of Containers	Service	21121412S	The provision of manpower and equipment for Stuffing & Unstuffing of Containers	Strategic	L/R	Refer to MTR	Self-operated	30	No	1

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576	Logistics & Warehousing	Marine	Marine Services	Washing, Repair and Supply Parts & Equipment	Service	21121413S	The provision of manpower and equipment for Washing, Repair and Supply Parts & Equipment for marine	Strategic	L/R	Refer to MTR	Self-operated	30	No	1
577	Logistics & Warehousing	Marine	Marine Transportation	Accommodation Work/Constructi on	Service	21121510S	The provision of Accommodation Work/Construction Boat/Barge including personnel to accommodate work personnel and crew with a degree of comfort and safety, with deck space or materials work area and crane for Self-propelled Accommodation Vessel/Floatel/Work Boat and Non-propelled Accommodation/Construction/Barge	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator Agent	30 51 51	Yes	3
578	Logistics & Warehousing	Marine	Marine Transportation	Anchor Handling Tug (AHT)/Anchor Handling Tug & Supply (AHTS)/Tow Tug Boat	Service	21121511S	The provision of AHT/AHTS/Tow Tug Boat including but not limited to personnel to supply oil rigs, transport liquid/bulk cargo, stores, materials and equipment, tow oil rigs to location, anchor oil rig and serve as an emergency rescue and recovery vessel (ERRV)	Strategic	L	Refer to MTR	Vessel owner-operator	30	Yes	1
579	Logistics & Warehousing	Marine	Marine Transportation	Diving Support Vessel	Service	21121512S	The provision of Diving Support Vessel including personnel used as a floating base for professional diving projects below or around oil production platforms and associated installations. The vessel can be fitted with dynamic positioning system (DP)	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator Agent	30 51 51	Yes	3
580	Logistics & Warehousing	Marine	Marine Transportation	Dumb/Flat Top/Transportati on Barge	Service	21121513S	The provision of Dumb / Flat Top / Transportation Barge including personnel to transport materials and equipments. It is a long, large, usually flat-bottomed barge, generally designed with absence of its own means of mechanical propulsion and to be towed or pushed by other craft, such as tug boat	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator Agent	30 51 51	Yes	3

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581	Logistics & Warehousing	Marine	Marine Transportation	Fast Crew Boat/Supply Crew Boat	Service	21121514S	The provision of Fast Crew Boat/Supply Crew Boat including personnel to provide personnel transportation from base to/from offshore location or within fields such as but not limited to Surfer.	Strategic	L	Refer to MTR	Vessel owner-operator	30	Yes	1
582	Logistics & Warehousing	Marine	Marine Transportation	Landing Craft Tank	Service	21121515S	The provision of Landing Craft Tank including personnel, specially designed to be flat-bottomed for transportation and supply of food, water and oil. Normally use for shallow water / river operation	Strategic	L	Refer to MTR	Vessel owner-operator	30	Yes	1
583	Logistics & Warehousing	Marine	Marine Transportation	Passenger Ferry	Service	21121516S	The provision of passenger ferry including personnel to provide personnel transportation from base to/from onshore operation. Normally use in riverine activities	Strategic	L/R	Refer to MTR	Vessel owner-operator Vessel operator	30 51	Yes	2
584	Logistics & Warehousing	Marine	Marine Transportation	Pilot Boat	Service	21121517S	The provision of pilot vessel to transport pilot for mooring & unmooring operation	General	L	-	Vessel owner-operator Vessel operator Agent	30 51 51	No	0
585	Logistics & Warehousing	Marine	Marine Transportation	Platform Supply Vessel	Service	21121518S	The provision of Platform Supply Vessel including personnel to transport liquid/bulk cargo, stores, materials and equipment, or to transport personnel and materials between platforms and drilling rigs. The vessel is normally used for deepwater operations	Strategic	L	Refer to MTR	Vessel owner-operator	30	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
586	Logistics & Warehousing	Marine	Marine Transportation	Safety Standby/General Purpose/Utility Vessel	Service	21121519S	The provision of Safety Standby Vessel including personnel at location or within field to provide assistance to emergency demobilization of offshore crew in the event of rig, platform, MODU, MOPU or offshore facilities being abandoned. General Purpose/Utility Vessel including personnel for transporting goods, personnel between platforms, standby boat and chaser boat	Strategic	L	Refer to MTR	Vessel owner-operator	30	Yes	1
587	Logistics & Warehousing	Marine	Marine Transportation	Straight Supply Vessel	Service	21121520S	The provision of Straight Supply Vessel including personnel to transport liquid / bulk cargo, stores, materials and equipment, or to transport personnel and materials between platforms/rigs	Strategic	L	Refer to MTR	Vessel owner-operator	30	Yes	1
588	Logistics & Warehousing	Marine	Marine Transportation	Tug Vessel	Service	21121521S	The provision of Offshore and/or Harbour Tug / Vessel including personnel to assist tankers/commercial vessel during off-take (E.g. FPSO, FSO and FLNG) and towing dumb barge	Strategic	L	Refer to MTR	Vessel owner-operator	30	Yes	1
589	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Air-Conditioning & Refrigeration Repairs	Service	21121610S	-	General	L/R	-	Self-operated	51	No	0
590	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Automation/Control & Instrumentation - Alarm Monitoring Systems	Service	21121611S	-	General	L/R	-	Self-operated	51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes								
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR	
591	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Automation/Control & Instrumentation - Electrical, Electronic, Pneumatic, Hydraulics	Service	21121612S	-	General	L/R	-	Self-operated	51	No	0	
592	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Automation/Control & Instrumentation - Level Gauging System	Service	21121613S	-	General	L/R	-	Self-operated	51	No	0	
593	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Auxiliary Engine - Governor	Service	21121614S	-	General	L/R	-	Self-operated	30	No	0	
594	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Auxiliary Engine - Specialised Repairs	Service	21121615S	-	General	L/R	-	Self-operated	30	No	0	
595	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Auxiliary Engine - Turbocharger	Service	21121616S	-	General	L/R	-	Self-operated	30	No	0	

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
596	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Boilers & Economisers - Chemical Cleaning	Service	21121617S	-	General	L/R	-	Self-operated	51	No	0
597	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Boilers & Economisers - Retubing	Service	21121618S	-	General	L/R	-	Self-operated	51	No	0
598	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Boilers & Economisers - Specialised Repairs	Service	21121619S	-	General	L/R	-	Self-operated	51	No	0
599	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Cargo Pumping System - Centrifugal	Service	21121620S	-	General	L/R	-	Self-operated	51	No	0
600	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Cargo Pumping System - Gear	Service	21121621S	-	General	L/R	-	Self-operated	30	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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601	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Cargo Pumping System - Screw	Service	21121622S	-	General	L/R	-	Self-operated	30	No	0	
602	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Cargo Pumping System - Steam Reciprocating	Service	21121623S	-	General	L/R	-	Self-operated	30	No	0	
603	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Cargo Pumping System - Submerged	Service	21121624S	-	General	L/R	-	Self-operated	30	No	0	
604	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Deck & Engine Cranes	Service	21121625S	-	General	L/R	-	Self-operated	51	No	0	
605	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	General Shiprepairs - Electrical & Electronic	Service	21121626S	-	General	L/R	-	Self-operated	51	No	0	

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
606	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	General Shiprepairs - Mechanical	Service	21121627S	The provision of personnel and equipment to carry out general ship repairs	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
607	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Heat Exchangers & Air Coolers - Plate	Service	21121628S	-	General	L/R	-	Self-operated	51	No	0
608	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Heat Exchangers & Air Coolers - Tube	Service	21121629S	-	General	L/R	-	Self-operated	51	No	0
609	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Main Engine - Automation	Service	21121630S	-	General	L/R	-	Self-operated	51	No	0
610	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Main Engine - Governor	Service	21121631S	-	General	L/R	-	Self-operated	51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
611	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Main Engine - Specialised Repairs	Service	21121632S	-	General	L/R	-	Self-operated	51	No	0
612	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Main Engine - Turbocharger	Service	21121633S	-	General	L/R	-	Self-operated	51	No	0
613	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Navigation & Communications Equipment	Service	21121634S	-	General	L/R	-	Self-operated	30	No	0
614	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Oily Discharge & Monitoring Equipment (ODME)	Service	21121635S	-	General	L/R	-	Self-operated	30	No	0
615	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Reconditioning	Service	21121636S	-	General	L/R	-	Self-operated	51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
616	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Shipyard - Drydocking/Maintenance	Service	21121637S	-	General	L/R	-	Self-operated	30	No	0
617	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Shipyard - FPSO/FSO (Building)	Service	21121638S	-	General	L/R	-	Self-operated	30	No	0
618	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Shipyard - Shipbuilding	Service	21121639S	-	General	L/R	-	Self-operated	30	No	0
619	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Steam Turbines (Pumps & Turbo Generators)	Service	21121640S	-	General	L/R	-	Self-operated	51	No	0
620	Logistics & Warehousing	Marine	Marine/Ship Repairs & Maintenance	Tank Cleaning Equipment	Service	21121641S	-	General	L/R	-	Self-operated	51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
621	Logistics & Warehousing	Marine	Ship	Bulk Carrier	Service	21121710S	The provision of Bulk Carriers and personnel for transportation, storage of bulk materials	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator	30 51	Yes	2
622	Logistics & Warehousing	Marine	Ship	Chemical Tankers	Service	21121711S	The provision of chemical tankers and personnel for transportation, storage of chemical products	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator Agent	30 51 51	Yes	3
623	Logistics & Warehousing	Marine	Ship	Crude Oil Tanker	Service	21121712S	The provision of crude oil tankers and personnel for transportation, storage of crude oil	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator Agent	30 51 51	Yes	3
624	Logistics & Warehousing	Marine	Ship	Liner/Container Vessel	Service	21121713S	The provision of Liner/Container Vessel and personnel for transportation of containers	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator	30 51	Yes	2
625	Logistics & Warehousing	Marine	Ship	LNG Tankers	Service	21121714S	The provision of LNG tankers and personnel for transportation, storage of LNG products	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
626	Logistics & Warehousing	Marine	Ship	LPG Tankers	Service	21121715S	The provision of LPG tankers and personnel for transportation, storage of LPG products	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator	30 51	Yes	2
627	Logistics & Warehousing	Marine	Ship	Petroleum Product Tankers	Service	21121716S	The provision of Petroleum Product tankers and personnel for transportation, storage of petroleum products	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator Agent	30 51 51	Yes	3
628	Logistics & Warehousing	Marine	Ship	Ro-Ro/Car Carrier	Service	21121717S	The provision of Roll-on/roll-off ships or Car Carrier including personnel to transport vehicle such as but not limited to cars and trucks	Strategic	R	Refer to MTR	Vessel owner-operator Vessel operator	30 51	Yes	2
629	Logistics & Warehousing	Marine	Ship Brokers		Service	21121800S	-	General	L	-	Self-operated	51	No	0
630	Logistics & Warehousing	Marine	Shipping Agency Services	Clearance of Vessel-Crew Changes for Clearance of Vessel	Service	21121910S	The provision of personnel for shipping agency services for Clearance of Vessel - Crew Changes for Clearance of Vessel	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
631	Logistics & Warehousing	Marine	Shipping Agency Services	Clearance of Vessel-Immigration Clearance	Service	21121911S	The provision of personnel for shipping agency services for Clearance of Vessel - Immigration Clearance	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
632	Logistics & Warehousing	Marine	Shipping Agency Services	Customs Clearance-Issuance of Port Clearance	Service	21121912S	The provision of personnel for shipping agency services for Customs Clearance - Issuance of Port Clearance	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
633	Logistics & Warehousing	Marine	Shipping Agency Services	Customs Clearance-Sealing of Vessel Bonded Stores	Service	21121913S	The provision of personnel for shipping agency services for Customs Clearance - Sealing of Vessel Bonded Stores	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
634	Logistics & Warehousing	Marine	Shipping Agency Services	Harbour Master Clearance-Crew Changes for Harbour Master Clearance	Service	21121914S	The provision of personnel for shipping agency services for Harbour Master Clearance - Crew Changes for Harbour Master Clearance	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
635	Logistics & Warehousing	Marine	Shipping Agency Services	Master Cash Advance	Service	21121915S	The provision of personnel for shipping agency services for Master Cash Advance	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
636	Logistics & Warehousing	Marine	Shipping Agency Services	Other Shipping Agency Services	Service	21121916S	The provision of pesonnel for shipping agency services including but not limited to Clearance of Vessel, Customs Clearance, Port Health Clearance, Harbour Master Clearance, Victualling and Master Cash Advance	General	L/R	-	Self-operated	51	No	0
637	Logistics & Warehousing	Marine	Shipping Agency Services	Port Health Clearance - Deratting Certification	Service	21121917S	The provision of personnel for shipping agency services for Port Health Clearance - Deratting Certification	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
638	Logistics & Warehousing	Marine	Shipping Agency Services	Port Health Clearance - Vessel Status	Service	21121918S	The provision of personnel for shipping agency services for Port Health Clearance - Vessel Status	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
639	Logistics & Warehousing	Marine	Shipping Agency Services	Terminal - Port Costs	Service	21121919S	The provision of personnel for shipping agency services for Terminal - Port Costs	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
640	Logistics & Warehousing	Marine	Shipping Agency Services	Terminal - Request Berthing Prospects	Service	21121920S	The provision of personnel for shipping agency services for Terminal - Request Berthing Prospects	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
641	Logistics & Warehousing	Marine	Shipping Agency Services	Terminal - Vessel Performance	Service	21121921S	The provision of personnel for shipping agency services for Terminal - Vessel Performance	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
642	Logistics & Warehousing	Marine	Shipping Agency Services	Victualling - Bonded Stores Supply to Vessel	Service	21121922S	The provision of personnel for shipping agency services for Victualling - Bonded Stores Supply to Vessel	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
643	Logistics & Warehousing	Marine	Shipping Agency Services	Victualling - Provision Supply to Vessel	Service	21121923S	The provision of personnel for shipping agency services for Victualling - Provision Supply to Vessel	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
644	Logistics & Warehousing	Marine	Vessel Cleaning Services		Service	21122000S	-	General	L/R	-	Self-operated	51	No	0
645	Logistics & Warehousing	Marine	Vessel Tracking & Monitoring System		Product	21122100P	-	General	L	-	Manufacturer Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
646	Logistics & Warehousing	Marine	Vessel Tracking & Monitoring System	Vessel Tracking & Monitoring System Services	Service	21122110S	The provision of manpower and equipment to monitor movement of vessels	General	L	-	Self-operated Agent	30 51	No	0
647	Logistics & Warehousing	Storage & Packing	Container		Product	21131000P	To supply and deliver Container such as but not limited to Dry Container Box, Intermediate Bulk Containers (IBC) System, Reefer Container Box and Reefer Machinery Unit.	General	L/R	-	Manufacturer Dealer	30 0	No	0
648	Logistics & Warehousing	Storage & Packing	Container Accessories & Parts		Product	21131100P	To design, supply, deliver and install Container Accessories & Parts such as but not limited to Security Seals (e.g. for road tankers, terminals and refineries), Lashing Gears & Container Spreaders/Lifting Equipment, DG Label & Decals (e.g. decal/signage including for road tankers and containers) and Reefer Machinery Spares	General	L/R	-	Manufacturer Dealer	30 51	No	0
649	Logistics & Warehousing	Storage & Packing	Container Boxes Leasing/Rental		Service	21131200S	-	General	L/R	-	Self-operated	51	No	0
650	Logistics & Warehousing	Storage & Packing	Drum	New Lined Steel Drum	Product	21131310P	To design, supply and deliver new lined steel drum	General	L/R	-	Manufacturer	0	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
651	Logistics & Warehousing	Storage & Packing	Drum	New Unlined Steel Drum	Product	21131311P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
652	Logistics & Warehousing	Storage & Packing	Drum	Plastic	Product	21131312P	To supply and deliver plastic drum i.e. HDPE drum	General	L/R	-	Manufacturer Dealer	30 30	No	0
653	Logistics & Warehousing	Storage & Packing	Drum	Recondition Steel Drum	Product	21131313P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
654	Logistics & Warehousing	Storage & Packing	Form Filled Seal & Hoods		Product	21131400P	To design, supply and deliver form filled seal & hoods (i.e. shrink hoods, stretch hoods and cover hoods)	Strategic	R	Refer to MTR	Manufacturer	30	Yes	1
655	Logistics & Warehousing	Storage & Packing	Intermediate Bulk Container (IBC)		Product	21131500P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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656	Logistics & Warehousing	Storage & Packing	Packing & Bagging		Service	21131600S	The provision of packing & bagging services	General	L/R	-	Self-operated	51	No	0
657	Logistics & Warehousing	Storage & Packing	Paper Bags		Product	21131700P	To design, supply and deliver paper bags	Strategic	R	Refer to MTR	Manufacturer	30	Yes	1
658	Logistics & Warehousing	Storage & Packing	Woven Bags		Product	21131800P	To design, supply and deliver woven bags	Strategic	R	Refer to MTR	Manufacturer	30	Yes	1
659	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Bunkering Services		Service	21141000S	The provision to supply bunker for marine vessel upstream and downstream	General	L/R	-	Self-operated	51	No	0
660	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Supply Base	Supply Base Leasing/Rental	Service	21141110S	Lease or rental of supply base for warehouse, storage, office.	Strategic	L/R	Refer to MTR SWEC is Frozen for all regions with exception of Bintulu	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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661	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Equipment	Bar Coding System & Accessories	Product	21141210P	To supply and deliver Bar Coding System & Accessories such as but not limited to labelling and scanner	General	L/R	-	Manufacturer Dealer	30 51	No	0
662	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Equipment	Cleaning Equipment	Product	21141211P	To supply and deliver Warehouse Cleaning Equipment such as but not limited to scrubber machine, industrial/heavy duty vacuum and polishing vacuum	General	L/R	-	Manufacturer Dealer	30 51	No	0
663	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Equipment	Industrial Printing Consumable	Product	21141212P	To supply and deliver Industrial Printing Consumable such as but not limited to printing ink and solvent	General	L/R	-	Manufacturer Dealer	30 51	No	0
664	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Equipment	Material Handling - Motorised Handpallet	Product	21141213P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
665	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Equipment	Material Handling - Pallets	Product	21141214P	To supply and deliver Material Handling - Pallets such as but not limited to wooden and plastic	General	L/R	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
666	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Equipment	Material Handling - Racking	Product	21141215P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
667	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Services	Bulking Services Leasing/Rental	Service	21141310S	-	General	L/R	-	Self-operated	30	No	0
668	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Services	Container Handling	Service	21141311S	The provision of container handling leasing and services	General	L/R	-	Self-operated	0	No	0
669	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Services	General Storage Services - Open Yard	Service	21141312S	The provision of manpower, facilities and equipment to store, monitor, preserve and loading/unloading for PETRONAS asset	General	L/R	-	Self-operated	51	No	0
670	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Services	Non-bonded Warehouse	Service	21141313S	The provision of non-bonded warehouse facilities and services	General	L/R	-	Self-operated	51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
671	Logistics & Warehousing	Warehouse & Supply Base Equipment and Services	Warehouse Services	Warehouse Management Services	Service	21141314S	The provision of manpower, equipment and system to manage inventory of goods and materials in a warehouse	General	L/R	-	Self-operated	51	No	0
672	Marketing, Advertising & Public Relation	Advertising	Advertising Agency Services	Creative Advertising - Above The Line (ATL)	Service	22101011S	Developer of creative concept and content to be published in any mainstream media which provides advertising space in order to publish an advertisement i.e. billboard ads, print ads inclusive of magazine and newspaper, television ads, radio ads, online ads etc. This also includes public relations in marketing communication to hype up campaigns.	General	L/R	-	Self-operated	30	No	0
673	Marketing, Advertising & Public Relation	Advertising	Advertising Agency Services	Creative Advertising - Below The Line (BTL)	Service	22101012S	Developer of creative concept and content to be published NOT in any mainstream media which provides advertising space in order to publish an advertisement i.e. leaflets, brochures, book/document cover, digital etc. This also includes the production of exhibition, merchandise, montage, activation and on-ground activities.	General	L/R	-	Self-operated	51	No	0
674	Marketing, Advertising & Public Relation	Advertising	Media Advertising (including Social Media)		Service	22101100S	Media planner, media buyer and an agent to procure advertising space from mainstream media (i.e. media owner) in order to publish an advertisement i.e. billboard ads, print ads inclusive of magazine and newspaper, television ads, radio ads, online ads etc.	General	L/R	-	Self-operated	51	No	0
675	Marketing, Advertising & Public Relation	Audio/Visual	Audio/Visual Aid Program Production & Equipment		Service	22111000S	The provision of audio/visual aid program production and related services such as but not limited to video montage, filming and rental of audio/visual equipment	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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Updated SWEC							Updated SWEC Attributes							
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676	Marketing, Advertising & Public Relation	Audio/Visual	Provision of Photographic Services		Service	22111100S	The provision of labor, materials and equipment for photographic services	General	L/R	-	Self-operated	51	No	0
677	Marketing, Advertising & Public Relation	Events Management			Service	22120000S	1. Concept, design, construction and supply of materials and equipments 2. Supply of expertise in decorations, audio visual equipments, lightings and sound check/rehearsals 3. Manage the overall programme and activities for the event encompassing the F&B set-up and entertainment 4. Manage external emcee during the event including providing the emcee script 5. Supply sufficient manpower to execute the event effectively and efficiently including accommodation, meal and transportation arrangements for the services rendered	General	L/R	-	Self-operated	30	No	0
678	Marketing, Advertising & Public Relation	Exhibition Design & Construction			Service	22130000S	The provision of manpower, materials, equipment, services and facilities for exhibit (e.g. platform, pedestal, booth, etc.) design, construction, installation and dismantling	General	L/R	-	Self-operated	51	No	0
679	Marketing, Advertising & Public Relation	Market Research			Service	22140000S	The provision of solution, expertise, professional management and advisory service for market research activities for consumer, market, product, advertisement, brand and other custom insights covering both digital and non-digital method	General	R	-	Self-operated	30	No	0
680	Marketing, Advertising & Public Relation	Public Relations			Service	22150000S	The provision of public relations / general entertainment activities with regards to corporate image, communication to public / government, etc.	General	L/R	-	Self-operated	30	No	0

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681	Material Corrosion Equipment & Services and Inspection Services	Coating Services	Corrosion Prevention of bolt, nut & flanges using composite compound		Service	23101000S	The provision of manpower, materials, consumables, equipments and facilities necessary for corrosion prevention of bolts, nuts, flanges and pipe support using composite compound	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
682	Material Corrosion Equipment & Services and Inspection Services	Coating Services	Hydroblasting		Service	23101100S	The provision of manpower, materials, consumables, equipments and facilities necessary for hydroblasting for piping, structure and plant equipment	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
683	Material Corrosion Equipment & Services and Inspection Services	Coating Services	Special Coating/Wrapping		Service	23101200S	The provision of manpower, materials, consumables, equipments and facilities necessary for special coating (ceramic, rubber lining, glass flake, fibre glass, chrome coating, fire proofing, etc) for piping, structure and plant equipment	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
684	Material Corrosion Equipment & Services and Inspection Services	Coating Services	Surface Preparation, Painting & Coating		Service	23101300S	The provision of manpower, materials, consumables, equipments and facilities necessary for gritblasting surface preparation, painting and coating for piping, structure and plant equipment	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
685	Material Corrosion Equipment & Services and Inspection Services	Corrosion Control & Monitoring Services	Cathodic Protection (CP)		Service	23111000S	The provision of manpower, equipment, consumables and safety gears for Cathodic Protection services such as but not limited to CP Design & Installation Services, CP Maintenance Services and CP Survey such as but not limited to Specialized CP Survey (e.g. Direct Current Voltage Gradient (DCVG), Close Interval Potential Survey (CIPS), etc.) and CP Potential Survey (e.g. Insulating Flanges Testing (IF), Test Point, etc.)	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1

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686	Material Corrosion Equipment & Services and Inspection Services	Corrosion Control & Monitoring Services	Corrosion Monitoring Services		Service	23111100S	The provision of manpower, equipment, consumables and safety gears for corrosion monitoring services (including corrosion coupon, electrical resistance probe and Linear Polarization Resistance probe (LPR)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
687	Material Corrosion Equipment & Services and Inspection Services	Corrosion Protection Services	Industrial Wrapping Application		Service	23121000S	The provision of labour, materials, consumables, equipments and facilities necessary for corrosion protection such as but not limited to denso tape	General	L/R	-	Self-operated	51	No	0
688	Material Corrosion Equipment & Services and Inspection Services	Corrosion Protection Services	Pressure Containment		Service	23121100S	The provision of labour, materials, consumables, equipments and facilities necessary for repair services for pressure containment such as but not limited to Composite pipe repair, diamond wrap, clock spring and armour plate	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
689	Material Corrosion Equipment & Services and Inspection Services	Corrosion Protection Services	Surface Preparation & Painting		Service	23121200S	The provision of manpower, services, equipment, materials and facilities for Onshore Fabrication - Surface Preparation and Painting	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
690	Material Corrosion Equipment & Services and Inspection Services	Destructive Testing/Failure Analysis			Service	23130000S	The provision of manpower, equipment, consumables and safety gears for Failure Analysis including In-situ Metallography/ Replica, Scoop sampling, lab analysis, mechanical testing and corrosion testing	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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691	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Cooling Tower Inspection		Service	23141000S	The provision of manpower, equipment, consumables and safety gears for Cooling Tower inspection	General	L/R	-	Self-operated	51	No	0
692	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Elevator Inspection		Service	23141100S	The provision of manpower, equipment and safety gears for elevator inspection	General	L/R	-	Self-operated	51	No	0
693	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Monorail Inspection		Service	23141200S	The provision of manpower, equipment and safety gears for monorail inspection and load test	General	L/R	-	Self-operated	51	No	0
694	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Offshore Cranes Inspection		Service	23141300S	The provision of manpower, equipment and safety gears for offshore crane inspection, load test and certification	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
695	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Piping Inspection		Service	23141400S	The provision of manpower, equipment, consumables and safety gears for piping inspection	General	L/R	-	Self-operated	51	No	0

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696	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Pressure Vessels (Fired) Inspection		Service	23141500S	The provision of manpower, equipment, consumables and safety gears for inspection of fired pressure vessel	General	L/R	-	Self-operated	51	No	0
697	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Pressure Vessels (Unfired) Inspection		Service	23141600S	The provision of manpower, equipment, consumables and safety gears for inspection of unfired pressure vessel	General	L/R	-	Self-operated	51	No	0
698	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Storage Tank Inspection		Service	23141700S	The provision of manpower, equipment, consumables and safety gears for storage tank inspection	General	L/R	-	Self-operated	51	No	0
699	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Structure Inspection		Service	23141800S	The provision of manpower, equipment, consumables and safety gears for structural (pipe bridge, pipe rack, platform, ladder etc) inspection	General	L/R	-	Self-operated	51	No	0
700	Material Corrosion Equipment & Services and Inspection Services	Equipment Inspection Services	Vessel (FSO/FPSO) Inspection		Service	23141900S	The provision of manpower and safety gears for marine vessel (FSO/FPSO) inspection	General	L/R	-	Self-operated	51	No	0

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701	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Coating Materials	Anti-slip	Product	23151010P	-	General	L	-	Manufacturer Agent	30 51	No	0
702	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Coating Materials	Concrete & Reinforcement Material	Product	23151011P	-	General	L	-	Manufacturer Agent	30 51	No	0
703	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Coating Materials	Corrosion/Insulation Coating Material	Product	23151012P	-	General	L	-	Manufacturer Agent	30 51	No	0
704	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Coating Materials	Erosion Lining	Product	23151013P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
705	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Coating Materials	Gritblasting-Abrasive Material	Product	23151014P	-	General	L	-	Manufacturer Agent	30 51	No	0

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706	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Coating Materials	Gritblasting-Blasting Equipment & Accessories	Product	23151015P	-	General	L	-	Manufacturer Agent	30 51	No	0
707	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Coating Materials	Linepipe Mechanical Protection Material	Product	23151016P	-	General	L	-	Manufacturer Agent	30 51	No	0
708	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Corrosion Protection Materials	Cathodic Protection (CP) - Impressed Current Cathodic Protection	Product	23151110P	To supply and deliver Cathodic Protection (CP) - Impressed Current Cathodic Protection including but not limited to transformer rectifier unit, cadwelds, anode and CP test post	General	L/R	-	Manufacturer Agent	30 51	No	0
709	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Corrosion Protection Materials	Cathodic Protection (CP) - Isolating Joint	Product	23151111P	-	General	L	-	Manufacturer Agent	30 51	No	0
710	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Corrosion Protection Materials	Cathodic Protection (CP) - Sacrificial Anode Cathodic Protection	Product	23151112P	To supply and deliver Cathodic Protection (CP) - Sacrificial Anode Cathodic Protection including but not limited to cadwelds, anode and CP test post	General	L/R	-	Manufacturer Agent	30 51	No	0

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711	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Corrosion Protection Materials	Corrosion Monitoring Equipment	Product	23151113P	To supply and delievr Corrosion Monitoring Equipment such as but not limited to electrical resistance probe, corrosion coupon, field signature method (FSM) and Electrochemical Frequency Modulation (EFM)	General	L/R	-	Manufacturer Agent	30 51	No	0
712	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Corrosion Protection Materials	General Corrosion Protection Products	Product	23151114P	To supply and deliver General Corrosion Protection Products such as but not limited to wrapping tape and shrink sleeve	General	L/R	-	Manufacturer Dealer	30 51	No	0
713	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Corrosion Protection Materials	Insulating Flange	Product	23151115P	-	General	L	-	Manufacturer Agent	30 51	No	0
714	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Corrosion Protection Materials	Specialized Corrosion Protection Products	Product	23151116P	To supply and deliver Specialized Corrosion Protection Products such as but not limited to Bolt & Nut Protective Cap, Flange Protection, I-Rods & N-Bolts and composite repair	General	L/R	-	Manufacturer Agent	30 51	No	0
715	Material Corrosion Equipment & Services and Inspection Services	Material Corrosion Equipment	Inspection & Testing Equipment & Tools		Product	23151200P	To supply and deliver Inspection & Testing Equipment & Tools such as but not limited to UT machine and Thermography	General	L/R	-	Manufacturer Dealer	30 51	No	0

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716	Material Corrosion Equipment & Services and Inspection Services	Materials Preservation			Service	23160000S	The provision of material preservation services	General	L/R	-	Self-operated	51	No	0
717	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Acoustic Based Inspection		Service	23171000S	The provision of manpower, equipment, consumables, facilities and safety gears to conduct Acoustic Based Inspection such as but not limited to Acoustic Resonance, Acoustic Emission and Sand monitoring	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
718	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Acoustic Pulse Reflectometry (APR)		Service	23171100S	The provision of manpower, equipment, consumables and safety gears for Acoustic Pulse Reflectometry (APR)	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
719	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Basic NDT		Service	23171200S	The provision of manpower, equipment, consumables, facilities and safety gears to conduct basic NDT (i.e. UT, RT, DPI, MPI, PMI, Hardness, Ferrite Count)	General	L/R	-	Self-operated	51	No	0
720	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Caisson Scanning		Service	23171300S	The provision of manpower, equipment, consumables, facilities and safety gears to conduct Caisson Scanning	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2

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721	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Column Scanning		Service	23171400S	The provision of manpower, equipment, consumables, facilities and safety gears to conduct Column Scanning such as but not limited to Neutron Back Scattered scanning and Gamma Scanning	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
722	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Hydrogen Attenuation & Alternating Current Field Measurement		Service	23171500S	The provision of manpower, equipment, consumables and safety gears for Hydrogen Attenuation and Alternating Current Field Measurement (ACFM)	General	L/R	-	Self-operated	51	No	0
723	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Laser Beam		Service	23171600S	The provision of manpower, equipment and safety gears for laser beam inspection (to check for verticality, roundness and levelness of pressure and non-pressurized vessel, structure and atmospheric tank)	General	L/R	-	Self-operated	30	No	0
724	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Leak Testing		Service	23171700S	The provision of manpower, equipment, consumables and safety gears for Leak Testing such as but not limited to Mass Spectrometer Test Method, Pressure Change Measurement, Halogen Diode Detector Leak Testing and UT & Acoustic Based Leak Detection	General	L/R	-	Self-operated	51	No	0
725	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Magnetic Tomography Method & Metal Magnetic Memory		Service	23171800S	The provision of manpower, equipment and safety gears for Magnetic Tomography Method & Metal Magnetic Memory	General	L/R	-	Self-operated Agent	30 51	No	0

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726	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Phonon Diagnostic Technology		Service	23171900S	The provision of manpower, equipment, consumables, facilities and safety gears to conduct Phonon diagnostic	Strategic	L/R	Refer to MTR	Self-operated Agent	0 51	Yes	2
727	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Pulse Eddy Current		Service	23172000S	The provision of manpower, equipment and safety gears for Pulse Eddy Current technique	General	L/R	-	Self-operated	30	No	0
728	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Radiation testing		Service	23172100S	The provision of manpower, equipment, consumables, facilities and safety gears to conduct Advanced Radiation Testing such as but not limited to Computerized Radiographic testing, SafeRad and Neutron Radiographic	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
729	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Radiotracer		Service	23172200S	The provision of manpower, equipment, consumables, facilities and safety gears for radiotracer services	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
730	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Tank Scanning		Service	23172300S	The provision of manpower, equipment and safety gears for Tank Scanning such as but not limited to Tank Floor Scanning (Magnetic Flux Leakage(MFL)) and Crawler UT	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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731	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Thermography		Service	23172400S	The provision of manpower, equipment, consumables and safety gears for Short and Long Wave thermography	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
732	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Tube Inspection		Service	23172500S	The provision of manpower, equipment, consumables, facilities and safety gears to conduct Tube Testing such as but not limited to ECT, RFET, acoustic eyes, IRIS and MFL	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
733	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Ultrasonic Testing		Service	23172600S	The provision of manpower, equipment, consumables, facilities and safety gears to conduct Advanced Ultrasonic Testing such as but not limited to PAUT, LRUT, Guided Wave and TOFD	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
734	Material Corrosion Equipment & Services and Inspection Services	Non Destructive Test (NDT) Services	Visual Aid Inspection		Service	23172700S	The provision of manpower, equipment and safety gears for visual aid inspection such as but not limited to Boroscope, Videoscope, fibrescope, CCTV and Unmanned Autonomous Vehicle (UAV)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
735	Material Corrosion Equipment & Services and Inspection Services	Risk Based Inspection			Service	23180000S	The provision of manpower and RBI software for risk based inspection	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1

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736	Material Corrosion Equipment & Services and Inspection Services	Welding Isolation Chamber			Service	23190000S	The provision of manpower, materials, consumables, equipments and facilities necessary for Welding Isolation Chamber such as but not limited to Habitat and Hyperbaric	General	L/R	-	Self-operated Agent	30 51	No	0
737	Mechanical Equipment & Services	Adjustment of Timing			Service	24100000S	-	General	L/R	-	Self-operated	51	No	0
738	Mechanical Equipment & Services	Condition Based Monitoring (CBM)	CPBM Data Collection, Monitoring & Analysis (Mechanical)		Service	24111000S	The provision of condition monitoring data collection such as but not limited to vibration/acoustic, lube oil analysis, thermography, process parameter and performance for rotating equipment	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2
739	Mechanical Equipment & Services	Condition Based Monitoring (CBM)	Motor Current Signature Analysis (MCSA)		Service	24111100S	The provision of performing recording, measurement and analysis of Motor Current Signature Analysis (MCSA)	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
740	Mechanical Equipment & Services	Condition Based Monitoring (CBM)	Partial Discharge Analysis		Service	24111200S	The provision of performing recording, measurement and analysis of Partial Discharge	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
741	Mechanical Equipment & Services	Condition Based Monitoring (CBM)	TAN Delta Analysis		Service	24111300S	The provision of performing recording, measurement and analysis of TAN Delta	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
742	Mechanical Equipment & Services	Condition Based Monitoring (CBM)	Thermography Analysis		Service	24111400S	The provision of performing recording, measurement and analysis of Thermography	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
743	Mechanical Equipment & Services	Condition Based Monitoring (CBM)	Transformer Oil Analysis		Service	24111500S	The provision of sampling, testing, data collection and analysis of Transformer oil	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
744	Mechanical Equipment & Services	Contamination Removal Unit	CO2 Removal System		Product	24121000P	To supply and deliver CO2 Removal System such as but not limited to Membrane System and Amine System	General	L	-	Manufacturer Agent	30 51	No	0
745	Mechanical Equipment & Services	Contamination Removal Unit	Desander		Product	24121100P	-	General	L/R	-	Manufacturer Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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746	Mechanical Equipment & Services	Contamination Removal Unit	Mercury Removal Unit		Product	24121200P	-	General	L	-	Manufacturer Agent	30 51	No	0
747	Mechanical Equipment & Services	Fluid Transfer Equipment	Gantry Loading Arm		Product	24131000P	-	General	R	-	Manufacturer Agent	0 0	No	0
748	Mechanical Equipment & Services	Fluid Transfer Equipment	Marine Loading Arm		Product	24131100P	-	General	R	-	Manufacturer Agent	30 51	No	0
749	Mechanical Equipment & Services	Fluid Transfer Equipment Maintenance	Marine Loading Arm Maintenance		Service	24141000S	The provision of manpower, materials, consumables, equipment and facilities necessary for cleaning, inspection, troubleshooting, overhaul, repair, testing and maintenance of marine loading arm	General	R	-	Self-operated	51	No	0
750	Mechanical Equipment & Services	Fluid Transfer Equipment Maintenance	Truck Loading Arm		Service	24141100S	The provision of manpower, materials, consumables, equipment and facilities necessary for cleaning, inspection, troubleshooting, overhaul, repair, testing and maintenance of truck loading arm	General	R	-	Self-operated	51	No	0

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751	Mechanical Equipment & Services	Heat Process Equipment	Air Cooled Heat Exchanger		Product	24151000P	To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on air cooled heat exchanger	Strategic	L/R	Refer to MTR	Manufacturer	51	Yes	1
752	Mechanical Equipment & Services	Heat Process Equipment	Boiler Tubes		Product	24151100P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
753	Mechanical Equipment & Services	Heat Process Equipment	Boilers		Product	24151200P	To design, supply, fabricate, inspect, test, deliver and provide commissioning support on boilers	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
754	Mechanical Equipment & Services	Heat Process Equipment	Burners		Product	24151300P	To design, supply, fabricate, inspect, test, deliver and provide commissioning support on Burners	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
755	Mechanical Equipment & Services	Heat Process Equipment	Cooling Tower		Product	24151400P	To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on Cooling Tower	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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756	Mechanical Equipment & Services	Heat Process Equipment	Double Pipe/Fintube		Product	24151500P	To design, fabricate, assemble, inspect, test, supply and deliver to site double pipe/fintube	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	2
757	Mechanical Equipment & Services	Heat Process Equipment	Fired Heaters		Product	24151600P	To design, supply, fabricate, inspect, test, deliver and provide commissioning support on fired heater	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
758	Mechanical Equipment & Services	Heat Process Equipment	Furnaces		Product	24151700P	To design, supply, fabricate, inspect, test, deliver and provide commissioning support on Furnaces	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
759	Mechanical Equipment & Services	Heat Process Equipment	Hampson coil/Braized Aluminium Plate Fin		Product	24151800P	To design, fabricate, assemble, inspect, test, supply and deliver to site Hampson Coil/Braized Aluminium Plate	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2
760	Mechanical Equipment & Services	Heat Process Equipment	Incinerators		Product	24151900P	To design, supply, fabricate, inspect, test, deliver and provide commissioning support on Incinerators	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2

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761	Mechanical Equipment & Services	Heat Process Equipment	Plate Heat Exchanger		Product	24152000P	To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on Plate Heat Exchanger	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	2
762	Mechanical Equipment & Services	Heat Process Equipment	Printed Circuit Heat Exchanger		Product	24152100P	To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on Printed Circuit Heat Exchanger	General	L/R	-	Manufacturer Agent	30 51	No	0
763	Mechanical Equipment & Services	Heat Process Equipment	Refractory		Product	24152200P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
764	Mechanical Equipment & Services	Heat Process Equipment	Shell & Tube Heat Exchanger		Product	24152300P	To design, fabricate, assemble, inspect, test, supply and deliver to site shell & tube heat exchanger	Strategic	L/R	Refer to MTR	Manufacturer	51	Yes	1
765	Mechanical Equipment & Services	Heat Process Equipment	Transfer Line Exchanger		Product	24152400P	To design, fabricate, assemble, inspect, test, supply and deliver to site and provide commissioning support on transfer line exchanger	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	2

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766	Mechanical Equipment & Services	Heat Process Maintenance - Refractory			Service	24160000S	The provision of labour, materials, consumables and equipments necessary for refractory repair and maintenance (boiler, furnace, incinerator)	General	L/R	-	Self-operated	51	No	0
767	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Air Hoist		Product	24171000P	-	General	L	-	Manufacturer Dealer	30 51	No	0
768	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Chain Block/Trolley (monorail hoist)		Product	24171100P	-	General	L	-	Manufacturer Agent	30 51	No	0
769	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Electrical Hoists		Product	24171200P	-	General	L	-	Manufacturer Agent	30 51	No	0
770	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Forklift		Product	24171300P	To design, fabricate, test, supply and deliver Forklift and its associated accessories/attachment such as but not limited to forks and side shifter	General	L/R	-	Manufacturer Dealer	30 0	No	0

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771	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Hand Winch		Product	24171400P	-	General	L	-	Manufacturer Dealer	30 51	No	0
772	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Hydraulic Floor Crane		Product	24171500P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
773	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Lifting & Rigging Equipment & Accessories		Product	24171600P	To supply and deliver Lifting & Rigging Equipment & Accessories such as but not limited to Crawler	General	L/R	-	Manufacturer Dealer	30 51	No	0
774	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Manlift - Mobile & Stationary		Product	24171700P	To supply and deliver Manlift - Mobile & Stationary	General	L	-	Manufacturer Agent	30 51	No	0
775	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Offshore Portable Crane		Product	24171800P	-	General	L	-	Manufacturer Agent	30 51	No	0

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776	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Overhead Travelling/Gantry		Product	24171900P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
777	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Pedestal Crane		Product	24172000P	To design, assemble, supply, deliver, install, hook up, test, commission pedestal crane and conduct training on operation	Strategic	L	Refer to MTR	Manufacturer	30	Yes	1
778	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Pillar Jib Crane		Product	24172100P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
779	Mechanical Equipment & Services	Hoisting & Lifting Equipment	Telescopic Boom		Product	24172200P	-	General	L	-	Manufacturer Agent	30 51	No	0
780	Mechanical Equipment & Services	Hoisting & Lifting Services	Elevator/Lifts		Service	24181000S	The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and certificate validation of elevator/lifts	Strategic	L/R	Refer to MTR	Self-operated	0	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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781	Mechanical Equipment & Services	Hoisting & Lifting Services	Forklift Services		Service	24181100S	The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and certificate validation of forklift/rental services of forklift	General	L/R	-	Self-operated	0	No	0
782	Mechanical Equipment & Services	Hoisting & Lifting Services	Heavy Lift Services		Service	24181200S	The provision of services/rental/supply of heavy lift equipment	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
783	Mechanical Equipment & Services	Hoisting & Lifting Services	Hoists		Service	24181300S	The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and certificate validation of hoists	General	L/R	-	Self-operated	51	No	0
784	Mechanical Equipment & Services	Hoisting & Lifting Services	Mobile Crane Leasing & Rentals		Service	24181400S	The provision of services/rental/supply of onshore mobile crane such as but not limited to truck mounted, all/rough terrain, crawler crane and ringer crane for plant maintenance services, construction or during plant turnaround	General	L/R	-	Self-operated	30	No	0
785	Mechanical Equipment & Services	Hoisting & Lifting Services	Mobile Crane Services		Service	24181500S	The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and certificate validation of mobile cranes	General	L/R	-	Self-operated	51	No	0

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786	Mechanical Equipment & Services	Hoisting & Lifting Services	Offshore Crane		Service	24181600S	The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and certificate validation of offshore cranes	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
787	Mechanical Equipment & Services	Hoisting & Lifting Services	Overhead Crane Services		Service	24181700S	The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and certificate validation of overhead cranes	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
788	Mechanical Equipment & Services	Hoisting & Lifting Services	Skylift		Service	24181800S	The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and certificate validation of skylift	General	L/R	-	Self-operated	51	No	0
789	Mechanical Equipment & Services	Hoisting & Lifting Services	Winches		Service	24181900S	The provision of manpower, materials, consumables, equipment and facilities necessary for overhaul, refurbish, maintenance, testing and certificate validation of winches	General	L/R	-	Self-operated	30	No	0
790	Mechanical Equipment & Services	Hoisting & Lifting Services	Wire Rope		Service	24182000S	The provision of manpower, consumables, equipment and facilities for testing and certificate validation of wire rope	General	L/R	-	Self-operated	30	No	0

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791	Mechanical Equipment & Services	Mechanical Engineering Consultancy	Rotating Equipment Consultancy		Service	24191000S	The provision to conduct rotating equipment engineering support services (e.g. feasibility study, design review, Reliability, Availability and Maintainability (RAM) study, etc.) and rotating equipment operation and maintenance technical support services (e.g. integrity & reliability study, equipment asset life study, Reliability Centered Maintenance (RCM), equipment failure analysis, etc.)	General	L/R	-	Self-operated Agent	30 51	No	0
792	Mechanical Equipment & Services	Mechanical Engineering Consultancy	Static & Piping Consultancy		Service	24191100S	The provision to conduct static & piping basic engineering study such as but not limited to mechanical asset life study, lifting study, mechanical audit & assessment and operations & maintenance strategy	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
793	Mechanical Equipment & Services	On-line Under Pressure Maintenance	Hot Tapping & Line Stoppling		Service	24201000S	The provision of manpower, services, equipment, materials, facilities and design engineering hot tapping & line stoppling	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
794	Mechanical Equipment & Services	On-line Under Pressure Maintenance	Line Freezing		Service	24201100S	The provision of manpower, services, equipment, materials, facilities and design engineering for Line Freezing	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
795	Mechanical Equipment & Services	On-line Under Pressure Maintenance	Online Leak Sealing		Service	24201200S	The provision of manpower, services, equipment, materials, facilities and design engineering for online leak sealing	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1

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796	Mechanical Equipment & Services	Rotating Equipment	Blower & Fan		Product	24211000P	-	General	L	-	Manufacturer Dealer	30 51	No	0
797	Mechanical Equipment & Services	Rotating Equipment	Centrifugal Pump	Fire Water Pump	Product	24211110P	To design, assemble, supply, deliver, install, hook up, test and commission Fire Water Pump	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
798	Mechanical Equipment & Services	Rotating Equipment	Centrifugal Pump	Horizontal API 610 Pump	Product	24211111P	To design, assemble, supply, deliver, install, hook up, test and commission Horizontal API 610 Pump	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
799	Mechanical Equipment & Services	Rotating Equipment	Centrifugal Pump	Horizontal Non API Pump	Product	24211112P	To design, assemble, supply, deliver, install, hook up, test and commission Horizontal Non API Pump	General	L/R	-	Manufacturer Agent	30 51	No	0
800	Mechanical Equipment & Services	Rotating Equipment	Centrifugal Pump	Submersible Pump	Product	24211113P	To design, assemble, supply, deliver, install, hook up, test and commission Submersible Pump	General	L	-	Manufacturer Agent	30 51	No	0

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801	Mechanical Equipment & Services	Rotating Equipment	Centrifugal Pump	Vertical API 610 Pump	Product	24211114P	To design, assemble, supply, deliver, install, hook up, test and commission Vertical API 610 Pump	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
802	Mechanical Equipment & Services	Rotating Equipment	Centrifugal Pump	Vertical Non API Pump	Product	24211115P	To design, assemble, supply, deliver, install, hook up, test and commission Vertical Non API Pump	General	L/R	-	Manufacturer Agent	30 51	No	0
803	Mechanical Equipment & Services	Rotating Equipment	Compressors	Air Compressor	Product	24211210P	To design, assemble, supply, deliver, install, hook up, test and commission Air Compressor	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
804	Mechanical Equipment & Services	Rotating Equipment	Compressors	Centrifugal Compressor	Product	24211211P	To design, assemble, supply, deliver, install, hook up, test and commission Centrifugal Compressor	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
805	Mechanical Equipment & Services	Rotating Equipment	Compressors	Reciprocating Compressor	Product	24211212P	To design, assemble, supply, deliver, install, hook up, test and commission Reciprocating Compressor	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2

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806	Mechanical Equipment & Services	Rotating Equipment	Compressors	Rotary/Screw Compressor	Product	24211213P	To design, assemble, supply, deliver, install, hook up, test and commission Rotary/Screw Compressor	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
807	Mechanical Equipment & Services	Rotating Equipment	Diesel Engine		Product	24211300P	To design, assemble, supply, deliver, install, hook up, test and commission Diesel Engine	General	L	-	Manufacturer Agent	30 51	No	0
808	Mechanical Equipment & Services	Rotating Equipment	Dry Gas Seal		Product	24211400P	To supply and deliver dry gas seal	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
809	Mechanical Equipment & Services	Rotating Equipment	Gas Engine		Product	24211500P	To design, assemble, supply, deliver, install, hook up, test and commission Gas Engine	General	L	-	Manufacturer Agent	30 51	No	0
810	Mechanical Equipment & Services	Rotating Equipment	Gas Turbine		Product	24211600P	To design, assemble, supply, deliver, install, hook up, test and commission Gas Turbine	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2

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811	Mechanical Equipment & Services	Rotating Equipment	Mechanical Seal for Pump		Product	24211700P	To supply and deliver mechanical seal for pump	Strategic	L/R	Refer to MTR	Assembler Agent	30 51	Yes	2
812	Mechanical Equipment & Services	Rotating Equipment	Packings & Other Sealing		Product	24211800P	To supply and deliver Packings & Other Sealing for rotating equipment such as but not limited to O Ring , labyrinth seal and improseal	General	L/R	-	Manufacturer Dealer	30 51	No	0
813	Mechanical Equipment & Services	Rotating Equipment	Reciprocating Pumps	Horizontal, Electric Motor Driven	Product	24211910P	-	General	L	-	Manufacturer Agent	30 51	No	0
814	Mechanical Equipment & Services	Rotating Equipment	Reciprocating Pumps	Vertical, Electric Motor Driven	Product	24211911P	-	General	L	-	Manufacturer Agent	30 51	No	0
815	Mechanical Equipment & Services	Rotating Equipment	Rotary Pumps		Product	24212000P	To supply and deliver Rotary Pumps such as but not limited to Positive Displacement Screw, Gear, Lobe, Single Helical and Sliding Vane	General	L	-	Manufacturer Agent	30 51	No	0

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816	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	Chemical Injection Pump	Product	24212110P	-	General	L	-	Manufacturer Dealer	30 51	No	0
817	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	Commercial Dispenser Pump (for Commercial Skid tank)	Product	24212111P	To supply, install, test, calibrate and deliver of commercial dispenser pump	General	L/R	-	Manufacturer Agent	30 30	No	0
818	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	Controlled Volume	Product	24212112P	-	General	L	-	Manufacturer Dealer	30 51	No	0
819	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	Cryogenic Pump	Product	24212113P	To supply and deliver Cryogenic Pump	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
820	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	Diaphram	Product	24212114P	-	General	L	-	Manufacturer Dealer	30 51	No	0

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821	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	High Pressure Steam Cleaner	Product	24212115P	-	General	L	-	Manufacturer Dealer	30 51	No	0
822	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	High Pressure Water Pump	Product	24212116P	-	General	L	-	Manufacturer Dealer	30 51	No	0
823	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	High Speed	Product	24212117P	To design, assemble, supply, deliver, install, hook up, test and commission High Speed Pump	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
824	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	Multiphase	Product	24212118P	To design, assemble, supply, deliver, install, hook up, test and commission Multiphase Pump	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
825	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	Pumps, Sliding Vane & Liquid Ring Type	Product	24212119P	-	General	L	-	Manufacturer Dealer	30 51	No	0

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
826	Mechanical Equipment & Services	Rotating Equipment	Special Purpose Pumps	Vacuum Pump	Product	24212120P	-	General	L	-	Manufacturer Dealer	30 51	No	0
827	Mechanical Equipment & Services	Rotating Equipment	Steam Turbine		Product	24212200P	To design, assemble, supply, deliver, install, hook up, test and commission Steam Turbine	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
828	Mechanical Equipment & Services	Rotating Equipment	Turbo Expander		Product	24212300P	To design, assemble, supply, deliver, install, hook up, test and commission Turbo Expander	Strategic	L	Refer to MTR	Assembler Agent	30 51	Yes	2
829	Mechanical Equipment & Services	Rotating Equipment	Wet Seal for Compressor/Expander		Product	24212400P	To supply and deliver wet seal for compressor/expander	Strategic	L/R	Refer to MTR	Assembler Agent	30 51	Yes	2
830	Mechanical Equipment & Services	Rotating Equipment	Other Rotating Equipment		Product	24212500P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
831	Mechanical Equipment & Services	Rotating Equipment Services	Agitator, Mixer & Extruder		Service	24221000S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair and overhaul of agitators, mixers and extruders	General	L/R	-	Self-operated Agent	51 51	No	0
832	Mechanical Equipment & Services	Rotating Equipment Services	Blower & Fan Services		Service	24221100S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair and overhaul of blowers and fans	General	L/R	-	Self-operated	51	No	0
833	Mechanical Equipment & Services	Rotating Equipment Services	Compressor Repair & Maintenance	Air Compressor Services	Service	24221210S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, refurbishment, performance test and commissioning of air compressor and auxiliaries	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
834	Mechanical Equipment & Services	Rotating Equipment Services	Compressor Repair & Maintenance	Centrifugal Gas Compressor	Service	24221211S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, performance test and commissioning of centrifugal gas compressor and auxiliaries	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
835	Mechanical Equipment & Services	Rotating Equipment Services	Compressor Repair & Maintenance	Reciprocating/Screw Gas Compressor	Service	24221212S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, refurbishment, reciprocating compressor valve refurbishment (inclusive of leak test), performance test and commissioning of reciprocating/screw gas compressor and auxiliaries	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2

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836	Mechanical Equipment & Services	Rotating Equipment Services	Conveyor System		Service	24221300S	The provision of manpower, materials, consumables, equipment and facilities necessary for inspection, maintenance, repair and troubleshooting of conveyor system and its associated equipment such as but not limited to bagging system	General	R	-	Self-operated	51	No	0
837	Mechanical Equipment & Services	Rotating Equipment Services	Coupling		Service	24221400S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair and balancing of couplings	General	L/R	-	Self-operated Agent	51 51	No	0
838	Mechanical Equipment & Services	Rotating Equipment Services	Engines		Service	24221500S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, performance test and commissioning of engine and auxiliaries	General	L/R	-	Self-operated Agent	51 51	No	0
839	Mechanical Equipment & Services	Rotating Equipment Services	Fuel Dispenser		Service	24221600S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair and overhaul of fuel dispenser	General	R	-	Self-operated	51	No	0
840	Mechanical Equipment & Services	Rotating Equipment Services	Gear box		Service	24221700S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair and overhaul of gear boxes	General	L/R	-	Self-operated Agent	51 51	No	0

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841	Mechanical Equipment & Services	Rotating Equipment Services	Lube Oil Centrifuge & Purifier		Service	24221800S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, refurbishment, performance test and commissioning of lube oil centrifuge and purifier	General	L/R	-	Self-operated	51	No	0
842	Mechanical Equipment & Services	Rotating Equipment Services	Mechanical seals	Dry Gas Seal Services	Service	24221910S	The provision of manpower, materials, consumables, equipment and facilities necessary for removal, refurbish, leak test and installation of dry gas seal and auxiliaries	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
843	Mechanical Equipment & Services	Rotating Equipment Services	Mechanical seals	Mechanical Seal for Pump Services	Service	24221911S	The provision of manpower, materials, consumables, equipment and facilities necessary for removal, refurbish, leak test and installation of mechanical seal and auxiliaries for pump equipment	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
844	Mechanical Equipment & Services	Rotating Equipment Services	Mechanical seals	Wet Seal for Compressor/Expander Services	Service	24221912S	The provision of manpower, materials, consumables, equipment and facilities necessary for removal, refurbish, leak test and installation of wet seal and auxiliaries for compressor/expander	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
845	Mechanical Equipment & Services	Rotating Equipment Services	Pumps	Centrifugal Pump Services	Service	24222010S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul and performance test of centrifugal pump and auxiliaries	General	L/R	-	Self-operated Agent	51 51	No	0

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846	Mechanical Equipment & Services	Rotating Equipment Services	Pumps	Positive Displacement Pump	Service	24222011S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul and performance test of positive displacement pump and auxiliaries	General	L/R	-	Self-operated Agent	51 51	No	0
847	Mechanical Equipment & Services	Rotating Equipment Services	Rotating Equipments Leasing & Rentals		Service	24222100S	-	General	L/R	-	Self-operated	30	No	0
848	Mechanical Equipment & Services	Rotating Equipment Services	Turbines	Gas Turbine Services	Service	24222210S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, refurbishment and performance test of gas turbine and auxiliaries	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
849	Mechanical Equipment & Services	Rotating Equipment Services	Turbines	Hydraulic Turbine	Service	24222211S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, refurbishment and performance test of hydraulic turbine and auxiliaries	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
850	Mechanical Equipment & Services	Rotating Equipment Services	Turbines	Steam Turbine Services	Service	24222212S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, refurbishment and performance test of steam turbine and auxiliaries	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2

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851	Mechanical Equipment & Services	Rotating Equipment Services	Turbo Expander Maintenance		Service	24222300S	The provision of manpower, materials, consumables, equipment and facilities necessary for maintenance, repair, overhaul, refurbishment, performance test and commissioning of turbo expander and auxiliaries	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
852	Mechanical Equipment & Services	Rotating Equipment Services	Vibrating Screen		Service	24222400S	The provision of labour, materials, consumables, equipments and facilities necessary for maintenance and repair of vibrating screen	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
853	Mechanical Equipment & Services	Static Equipment	CNG Conversion		Product	24231000P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
854	Mechanical Equipment & Services	Static Equipment	Coalescer		Product	24231100P	To design, supply, fabricate, inspect, test and deliver Coalescer for Unfired Pressure Vessel Class I (<32 mm wall thickness), Class II (32-50 mm wall thickness) and Class III (>50 mm wall thickness)	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	2
855	Mechanical Equipment & Services	Static Equipment	Contactora Trays		Product	24231200P	-	General	L/R	-	Manufacturer Agent	30 51	No	0

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856	Mechanical Equipment & Services	Static Equipment	Corrugated Plate Interceptor (CPI)		Product	24231300P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
857	Mechanical Equipment & Services	Static Equipment	Inlet Vanes		Product	24231400P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
858	Mechanical Equipment & Services	Static Equipment	Localised High Pressure Testing		Product	24231500P	-	General	L	-	Manufacturer Dealer	30 51	No	0
859	Mechanical Equipment & Services	Static Equipment	Mist Eliminator		Product	24231600P	-	General	L	-	Manufacturer Agent	30 30	No	0
860	Mechanical Equipment & Services	Static Equipment	Mist Extractors		Product	24231700P	-	General	L/R	-	Manufacturer Agent	30 51	No	0

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861	Mechanical Equipment & Services	Static Equipment	Other Static Equipment		Product	24231800P	To design, supply, fabricate, inspect, test and deliver such Other Static Equipment such as but not limited to Spheres for Unfired Pressure Vessel Class I (<32 mm wall thickness) and Class II (32-50 mm wall thickness), Aviation Filter Vessel (Jet A1 & Avgas) Parts e.g. side glass, slug valve, air eliminator, etc. for Unfired Pressure Vessel Class I (<32 mm wall thickness) and other static equipment	Strategic	L/R	Refer to MTR	Manufacturer Agent	510	Yes	1
862	Mechanical Equipment & Services	Static Equipment	Pressure Vessel		Product	24231900P	To design, supply, fabricate, inspect, test and deliver of Unfired Pressure Vessel Class I (<32 mm wall thickness), Class II (32-50 mm wall thickness) and III (>50 mm wall thickness)	Strategic	L/R	Refer to MTR	Manufacturer	51	Yes	1
863	Mechanical Equipment & Services	Static Equipment	Strainer		Product	24232000P	To design, supply, fabricate, inspect, test and deliver Strainer for Unfired Pressure Vessel Class I (<32 mm wall thickness), Class II (32-50 mm wall thickness) and Class III (>50 mm wall thickness)	Strategic	L	Refer to MTR	Manufacturer Agent	3051	Yes	2
864	Mechanical Equipment & Services	Static Equipment	Towers		Product	24232100P	To design, supply, fabricate, inspect, test and deliver of Towers for Unfired Pressure Vessel Class I (<32 mm wall thickness), Class II (32-50 mm wall thickness) and Class III (>50 mm wall thickness).	Strategic	L/R	Refer to MTR	Manufacturer	51	Yes	1
865	Mechanical Equipment & Services	Static Equipment Services	Atmospheric Storage Tank	Cleaning, Repair & Maintenance	Service	24241010S	The provision of manpower, materials, consumables, equipment and facilities necessary for cleaning/manual desludging, repair, maintenance, calibration and testing of atmospheric storage tank storing white products/media (other than crude oil, LSWR, bitumen) in compliance to API:653 requirements	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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866	Mechanical Equipment & Services	Static Equipment Services	Atmospheric Storage Tank	Desludging, Recovery & Cleaning	Service	24241011S	The provision of manpower, materials, consumables, equipment and facilities necessary to remove the sludge of black products/media (crude oil, LSWR, bitumen) with recovery process whenever possible, and cleaning of storage tank/pond prior to repair and maintenance job at atmospheric tank/pond	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
867	Mechanical Equipment & Services	Static Equipment Services	Atmospheric Storage Tank	Hygienic Cleaning	Service	24241012S	The provision of manpower, materials, consumables, equipment and facilities necessary for hygienic cleaning, calibration and testing of atmospheric storage tank storing jet-fuel and diesel products in compliance to Aviation Authority requirement	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
868	Mechanical Equipment & Services	Static Equipment Services	Boilers Services		Service	24241100S	The provision of manpower, materials, consumables, equipments and facilities necessary for cleaning, repair, maintenance, pressure testing and commissioning of boilers	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
869	Mechanical Equipment & Services	Static Equipment Services	Columns, Stripper & Corrugated Plate Interceptor		Service	24241200S	The provision of manpower, materials, consumables, equipments and facilities necessary for cleaning, repair, testing and maintenance of columns, strippers & corrugated plate interceptor	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
870	Mechanical Equipment & Services	Static Equipment Services	Decoking		Service	24241300S	The provision of manpower, materials, consumables, equipment and facilities necessary for decoking	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1

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871	Mechanical Equipment & Services	Static Equipment Services	Furnaces, Fired Heaters & Flares		Service	24241400S	The provision of manpower, materials, consumables, equipment and facilities necessary for cleaning, repair, maintenance, pressure testing and commissioning of furnaces, fired heaters & flares	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
872	Mechanical Equipment & Services	Static Equipment Services	Heat Exchangers, Condensers & Cooler		Service	24241500S	The provision of manpower, materials, consumables, equipments and facilities necessary for cleaning, repair, maintenance, pressure testing and commissioning of heat exchanger (including condensers, cooler and air fin cooler)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
873	Mechanical Equipment & Services	Static Equipment Services	Hydraulic Bolt Tensioning & Bolt Torquing Services		Service	24241600S	The provision of labour, materials, consumables, equipments and training necessary for hydraulic bolt tensioning and bolt torquing services	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
874	Mechanical Equipment & Services	Static Equipment Services	Hydrojetting		Service	24241700S	The provision of manpower, materials, consumables and equipment necessary for cleaning by hydrojetting	General	L/R	-	Self-operated	51	No	0
875	Mechanical Equipment & Services	Static Equipment Services	Metal Spray		Service	24241800S	The provision of manpower, materials, consumables, equipment and facilities necessary for metal spray services	General	L/R	-	Self-operated	30	No	0

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876	Mechanical Equipment & Services	Static Equipment Services	Non-Atmospheric Storage Tank	Cryogenic Storage Tank	Service	24241910S	The provision of manpower, materials, consumables, equipments and facilities necessary for cleaning, repair, maintenance, testing and commissioning of cryogenic storage tank	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
877	Mechanical Equipment & Services	Static Equipment Services	Non-Atmospheric Storage Tank	Intermediate Bulk Containers (IBC)	Service	24241911S	The provision of manpower, materials, consumables, equipment and facilities necessary for repair and maintenance of IBC	General	R	-	Self-operated	30	No	0
878	Mechanical Equipment & Services	Static Equipment Services	Post Weld Heat Treatment		Service	24242000S	The provision of manpower, materials, consumables and equipment necessary for stress relieving for welding joints	General	L/R	-	Self-operated	51	No	0
879	Mechanical Equipment & Services	Static Equipment Services	Pressure & Unpressurized Vessel		Service	24242100S	The provision of manpower, materials, consumables, equipment and facilities necessary for cleaning, repair, testing maintenance and commissioning of pressure & unpressurized vessels	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
880	Mechanical Equipment & Services	Static Equipment Services	Reactors		Service	24242200S	The provision of manpower, materials, consumables, equipment and facilities necessary for cleaning, repair, testing and maintenance of reactors (excluding catalyst absorbant changeout)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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881	Mechanical Equipment & Services	Static Equipment Services	Splicing		Service	24242300S	The provision of labour, materials, consumables and equipments necessary for conveyor belt splicing	General	L/R	-	Self-operated	51	No	0
882	Mechanical Equipment & Services	Storage Tanks	Commercial Skid Tank		Product	24251000P	-	General	L/R	-	Manufacturer Agent	30 30	No	0
883	Mechanical Equipment & Services	Storage Tanks	Other Atmospheric Tanks		Product	24251100P	To supply and deliver Atmospheric Tanks (other than Transportable Tanks and Vertical Cylindrical Tanks - Welded) such as but not limited to bolted tanks and fibreglass tanks	General	L/R	-	Manufacturer Agent	30 51	No	0
884	Mechanical Equipment & Services	Storage Tanks	Transportable Tanks		Product	24251200P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
885	Mechanical Equipment & Services	Storage Tanks	Vertical Cylindrical Tanks (Welded)		Product	24251300P	-	General	L/R	-	Manufacturer Agent	30 51	No	0

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886	Mechanical Equipment & Services	Waste Heat Recovery Unit	Fired		Product	24261000P	-	General	L	-	Manufacturer Agent	30 51	No	0
887	Mechanical Equipment & Services	Waste Heat Recovery Unit	Unfired		Product	24261100P	-	General	L	-	Manufacturer Agent	30 51	No	0
888	Mechanical Equipment & Services	Water Treatment Equipment	Catridge Filter		Product	24271000P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
889	Mechanical Equipment & Services	Water Treatment Equipment	Electro De-ionization (EDI)		Product	24271100P	To design, supply, fabricate, deliver, install, testing and commissioning of Electro De-ionization (EDI)	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1
890	Mechanical Equipment & Services	Water Treatment Equipment	Fresh Water Reverse Osmosis		Product	24271200P	To design, supply, fabricate, deliver, install, testing and commissioning of Reverse Osmosis	Strategic	L/R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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891	Mechanical Equipment & Services	Water Treatment Equipment	Micro/Ultra/Nano Filter		Product	24271300P	To design, supply, fabricate, deliver, install, testing and commissioning of Micro/Ultra/Nano Filter	Strategic	L/R	Refer to MTR	Manufacturer Agent	3051	Yes	1
892	Mechanical Equipment & Services	Water Treatment Equipment	Waste Water Treatment Equipment		Product	24271400P	To design, fabricate, assemble, inspection, test, supply and deliver to site, and provide commissioning support of Waste Water Treatment Equipment such as but not limited to Hypochlorinator Package, Corrugated Plate Interceptor (CPI), Induced Gas/Dissolved Air Flotation, Sewage Treatment Unit, Hydro Cyclone and Effluent Treatment System Spare Parts and Components (e.g. filter cloth)	General	L	-	Manufacturer Dealer	3051	No	0
893	Mechanical Equipment & Services	Water Treatment Equipment	Water Maker/Desalination	Distillation Unit	Product	24271510P	-	General	L/R	-	Manufacturer Agent	3051	No	0
894	Mechanical Equipment & Services	Water Treatment Equipment	Water Maker/Desalination	Reverse Osmosis	Product	24271511P	-	General	L/R	-	Manufacturer Agent	3051	No	0
895	Mechanical Equipment & Services	Water Treatment Equipment	Water Maker/Desalination	Vapour Compression	Product	24271512P	-	General	L/R	-	Manufacturer Agent	3051	No	0

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896	Office, Administration & Professional Services	Books & Journal	Development & Publication of Petronas Books & Journal		Product	25111100P	NA	NA	NA	NA	NA	0	NA	NA
897	Office, Administration & Professional Services	Business Travel Management	Company Vehicles	Company Vehicles for Management	Product	25121210P	NA	NA	NA	NA	NA	0	NA	NA
898	Office, Administration & Professional Services	Business Travel Management	Company Vehicles	Repair & Maintenance - Cars	Service	25121212S	NA	NA	NA	NA	NA	0	NA	NA
899	Office, Administration & Professional Services	Business Travel Management	Travel Management Companies (TMC)		Service	25121500S	The provision of travelling support services such as but not limited to ticket booking, room reservations and transport arrangements	Strategic	L/R	Refer to MTR	Self-operated	100	Yes	1
900	Office, Administration & Professional Services	Catering	Confectionary items & related services		Product	25131000P	To supply and deliver confectionary items such as but not limited to coffee mix, milk, sugar and biscuits	General	L/R	-	Manufacturer Dealer	30 51	No	0

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901	Office, Administration & Professional Services	Catering	Offshore Catering		Service	25131100S	The provision of offshore catering and related services	General	L	-	Self-operated	100	No	0
902	Office, Administration & Professional Services	Catering	Onshore Catering/Office Food & Refreshment		Service	25131200S	The provision of Onshore Catering/Office Food & Refreshment	General	L/R	-	Self-operated	100	No	0
903	Office, Administration & Professional Services	General Consultancy Services	Management Consultancy Services (MCS)		Service	25141000S	The provision of Business Consultancy Services such as but not limited to Business Sustainability Consultancy (e.g. social/ culture/ environment impact study, customer satisfaction survey, etc), Brand Consultancy (e.g. brand health, mystery shopper, customer experience, customer satisfaction survey, etc.), Finance Consultancy (finance related process enhancement, benchmarking, best practices, etc.) and Human Resource Consultancy (e.g. benchmarking of organisation, salary, job position etc.)	General	L/R	-	Self-operated	30	No	0
904	Office, Administration & Professional Services	General Consultancy Services	Documentation Management		Service	25141100S	The provision of manpower, materials, equipment, services and facilities for documentation management consultancy	General	L/R	-	Self-operated	30	No	0
905	Office, Administration & Professional Services	General Consultancy Services	Quality Management		Service	25141200S	The provision of certification/accreditation assessment consultancy such as but not limited to ISO	General	L/R	-	Self-operated	30	No	0

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(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
906	Office, Administration & Professional Services	General Consultancy Services	Professional Consultancy Services		Service	25141300S	NA	NA	NA	NA	NA	NA	NA	NA
907	Office, Administration & Professional Services	Laboratory Equipment	Chromotography		Product	25151000P	To supply and deliver Chromotography equipment such as but not limited to GC, HPLC, LC and IC	General	L/R	-	Manufacturer Agent	30 51	No	0
908	Office, Administration & Professional Services	Laboratory Equipment	General Laboratory Equipment/Apparatus		Product	25151100P	To supply and deliver General Laboratory Equipment/Apparatus such as but not limited to oven, pH meter, balance, jaw crusher, mixer, grinder, sampling cylinder and fume hood	General	L/R	-	Manufacturer Dealer	30 51	No	0
909	Office, Administration & Professional Services	Laboratory Equipment	Laboratory Furniture		Product	25151200P	To supply and deliver Laboratory Furniture such as but not limited to anti vibration table, work bench, sink and chemical cabinet	General	L/R	-	Manufacturer Dealer	30 51	No	0
910	Office, Administration & Professional Services	Laboratory Equipment	Laboratory Spare parts & Consumables		Product	25151300P	To supply and deliver Laboratory Spare parts & Consumables such as but not limited to glass ware, filter paper, glove and o-ring	General	L/R	-	Manufacturer Dealer	30 51	No	0

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911	Office, Administration & Professional Services	Laboratory Equipment	Physical Testing		Product	25151400P	To supply and deliver Physical Testing equipment such as but not limited to melt index, distillation unit, pour point analyser and penetrometer	General	L/R	-	Manufacturer Agent	30 51	No	0
912	Office, Administration & Professional Services	Laboratory Equipment	Spectroscopy		Product	25151500P	To supply and deliver Spectroscopy equipment such as but not limited to Spectrophotometer, FTIR, ICP, AAS , XRF and XRD	General	L/R	-	Manufacturer Agent	30 51	No	0
913	Office, Administration & Professional Services	Laboratory Equipment	Thermal Analysis		Product	25151600P	To supply and deliver Thermal Analysis equipment such as but not limited to Thermal Gravimetry Analyser	General	L/R	-	Manufacturer Agent	30 51	No	0
914	Office, Administration & Professional Services	Laboratory Equipment	Titration		Product	25151700P	To supply and deliver Titration equipment such as but not limited to Auto titration and Karl Fischer	General	L/R	-	Manufacturer Agent	30 51	No	0
915	Office, Administration & Professional Services	Laboratory Services	External Laboratory Analysis Services		Service	25161000S	The provision of external laboratory analysis services for sample testing	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1

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916	Office, Administration & Professional Services	Laboratory Services	HSE Laboratory Services		Service	25161100S	The provision of HSE laboratory services for Chemical/Biological/Environment monitoring (mercury, heavy metal) & radiological, fire forensic, hydrocarbon finger printing and wastes	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
917	Office, Administration & Professional Services	Laboratory Services	Laboratory Consultancy Services		Service	25161200S	The provision of Laboratory Consultancy Services for benchmarking program, Proficiency Testing program, ISO 17025, lab management & quality system enhancement and etc	General	L/R	-	Self-operated	30	No	0
918	Office, Administration & Professional Services	Laboratory Services	Laboratory Equipment Calibration Services		Service	25161300S	The provision of calibration services for laboratory equipment and apparatus	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
919	Office, Administration & Professional Services	Laboratory Services	Laboratory Equipment Repair & Maintenance Services		Service	25161400S	The provision of repair and maintenance services for laboratory equipment and apparatus	General	L/R	-	Self-operated	30	No	0
920	Office, Administration & Professional Services	Laboratory Services	Laboratory Operation Services		Service	25161500S	The provision of analysis, equipment calibration, repair & maintenance, consultancy and associated services in laboratory operation services	Strategic	L	Refer to MTR	Self-operated	30	Yes	1

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921	Office, Administration & Professional Services	Office Supplies	Fabric/Textile Material		Product	25171000P	To supply and deliver Fabric/Textile Material such as but not limited to Textile/fabric, gunny sack and bags	General	L/R	-	Manufacturer Dealer	30 51	No	0
922	Office, Administration & Professional Services	Office Supplies	Office/Residential Textiles		Product	25171100P	To supply and deliver Office/Residential Textiles such as but not limited to Mattresses, cushions, pillows, curtain, blanket, bed sheets and carpets	General	L/R	-	Manufacturer Dealer	30 51	No	0
923	Office, Administration & Professional Services	Office Supplies	Office Materials & Consumables		Product	25171200P	To supply and deliver Office Materials & Consumables such as but not limited to Canvas & Accessories (e.g. tarpaulin, canopy, etc.), Office Stationery (e.g. staplers, markers, pens, pencils, binding coils, files, draughting and graphic stationeries, general dry cell batteries, etc.) and Papers (e.g. photocopy/printing paper for all sizes, flipchart paper, binding hardcover paper, conqueror paper, etc.)	General	L/R	-	Manufacturer Dealer	30 51	No	0
924	Office, Administration & Professional Services	Office Supplies	Plastic Products		Product	25171300P	To supply and deliver Plastic Products such as but not limited to including plastic bags, zip-lock bags and polypropylene woven bag	General	L/R	-	Manufacturer Dealer	30 51	No	0
925	Office, Administration & Professional Services	Office Supplies	Reading Materials		Product	25171400P	To supply and deliver Reading Materials such as but not limited to books, magazines, newspapers and other publications, such as journals, periodicals and reports	General	L/R	-	Manufacturer Dealer	30 51	No	0

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926	Office, Administration & Professional Services	Office Supplies	Shoes (Excluding Safety Shoes)		Product	25171500P	To supply and deliver shoes such as but not limited to sports shoes, office shoes and security/auxiliary officer shoes excluding safety shoes)	General	L/R	-	Manufacturer Dealer	30 51	No	0
927	Office, Administration & Professional Services	Office Supplies	Smart Card & Magnetic Stripe Card		Product	25171600P	-	General	L/R	-	Manufacturer Dealer	30 51	No	0
928	Office, Administration & Professional Services	Office Supplies	Souvenir/Awards /Gifts		Product	25171700P	To supply and deliver Souvenir/Awards/Gifts such as but not limited to safety awards, long service awards and baby gift set	General	L/R	-	Manufacturer Dealer	30 51	No	0
929	Office, Administration & Professional Services	Office Supplies	Sport & Recreational Equipment		Product	25171800P	To supply and deliver Sport & Recreational Equipment such as but not limited to ball, bicycle and racquet	General	L/R	-	Manufacturer Dealer	30 51	No	0
930	Office, Administration & Professional Services	Office Supplies	Toiletries, Hygiene & Cleaning Products		Product	25171900P	To supply and deliver Toiletries, Hygiene & Cleaning Products such as but not limited to dishwashing liquid, dishwashing sponge, bleach, hand soap, floor cleaner, toilet tissue roles and mop	General	L/R	-	Manufacturer Dealer	30 51	No	0

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931	Office, Administration & Professional Services	Office Supplies	Uniform & Accessories		Product	25172000P	To supply and deliver Uniform & Accessories including of Corporate Attire e.g. security uniform, traditional attires, socks, caps, corporate t-shirt/shirt, jackets, etc.	General	L/R	-	Manufacturer Dealer	30 51	No	0
932	Office, Administration & Professional Services	Office/Residential & Building Equipment	Advertising Material & Flags		Product	25181000P	To supply and deliver Advertising Material & Flags such as but not limited to banners, signage, streamers, flags and buntings	General	L/R	-	Manufacturer Dealer	30 51	No	0
933	Office, Administration & Professional Services	Office/Residential & Building Equipment	Electrical Appliances & Parts		Product	25181100P	To supply and deliver Electrical Appliances & Parts such as but not limited to Standing fan, dryer, air purifier, home theatre system, water dispenser, air-conditioning system (including air-conditioning unit at service station), vacuum cleaner, television, washing machine and iron	General	L/R	-	Manufacturer Dealer	30 51	No	0
934	Office, Administration & Professional Services	Office/Residential & Building Equipment	Furniture		Product	25181200P	To supply and deliver office furniture such as but not limited to cabinet, drawer, table, chair, shelf and bed	General	L/R	-	Manufacturer Dealer	30 51	No	0
935	Office, Administration & Professional Services	Office/Residential & Building Equipment	Interior Decoration Products		Product	25181300P	To supply and deliver Interior Decoration Products such as but not limited to flowers, frames and vases	General	L/R	-	Manufacturer Dealer	30 51	No	0

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936	Office, Administration & Professional Services	Office/Residential & Building Equipment	Kitchen Equipment		Product	25181400P	To supply and deliver Kitchen Equipment such as but not limited to kitchen utensils, microwave oven, kettle, rice cooker, coffee maker, plastic containers, toaster, sandwich maker, flask and refrigerator	General	L/R	-	Manufacturer Dealer	30 51	No	0
937	Office, Administration & Professional Services	Office/Residential & Building Equipment	Office Equipment		Product	25181500P	To supply and deliver Office Equipment such as but not limited to binding machine, laminating machine, extension cords, projector and whiteboard	General	L/R	-	Manufacturer Dealer	30 51	No	0
938	Office, Administration & Professional Services	Office/Residential Equipment & Building Leasing	Leasing/Rental of Office & Houses and Related Services/Fees		Service	25191000S	Leasing or rental of office and household equipments such as but not limited to electrical appliances	General	L/R	-	Self-operated	51	No	0
939	Office, Administration & Professional Services	Office/Residential Equipment & Building Leasing	Leasing/Rental of Canopy		Service	25191100S	Leasing or rental of canopy, including other related facilities such as but not limited to tables, chairs, fans and lightings	General	L/R	-	Self-operated	51	No	0
940	Office, Administration & Professional Services	Office/Residential Equipment & Building Leasing	Portacabins & Portable Toilets Leasing/Rental		Service	25191200S	Leasing or rental of portacabins and portable toilets including the manpower, materials, equipment, services and facilities required for the construction, maintenance and dismantling	General	L/R	-	Self-operated	51	No	0

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941	Office, Administration & Professional Services	Office/Residential Equipment & Building Services	Building Cleaning Services		Service	25201000S	The provision of labour, materials, equipment, services and facilities for building cleaning/housekeeping services	General	L/R	-	Self-operated	100	No	0
942	Office, Administration & Professional Services	Office/Residential Equipment & Building Services	Laundry & Dry Cleaning Services		Service	25201100S	The provision of laundry and dry cleaning services, including cleaning, drying and ironing	General	L/R	-	Self-operated	51	No	0
943	Office, Administration & Professional Services	Office/Residential Equipment & Building Services	Printing, Binding, Photostating, Scanning, Digitising & Photography		Service	25201200S	The provision of printing, binding, photostating, scanning, digitizing and drawing reproduction	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
944	Office, Administration & Professional Services	Office/Residential Equipment & Building Services	Property Building/Management		Service	25201300S	The provision of labour, materials, equipment, services and facilities for property/building management	General	L/R	-	Self-operated	30	No	0
945	Office, Administration & Professional Services	Office/Residential Equipment & Building Services	Provision of Carpet, Blinds & Curtains		Service	25201400S	The provision of labour, materials, equipment, services and facilities for the installation & maintenance of carpet, blinds and curtains	General	L/R	-	Self-operated	51	No	0

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946	Office, Administration & Professional Services	Office/Residential Equipment & Building Services	Repair & Maintenance of Office Equipment/Supplies		Service	25201500S	The provision of labour, materials, equipment, services and facilities for the repair and maintenance of office equipment/supplies such as but not limited to copier, printer, projector, air-conditioning and water filters	General	L/R	-	Self-operated	51	No	0
947	Office, Administration & Professional Services	Office/Residential Equipment & Building Services	Vector/Pest Control		Service	25201600S	The provision of labour, materials, equipment, services and facilities for vector/pest control services	General	L/R	-	Self-operated	100	No	0
948	Office, Administration & Professional Services	Packing & Packaging Services	Corrugated Fibreboard Cartons & can		Product	25211000P	To supply and deliver Corrugated Fibreboard Cartons & Can	General	L/R	-	Manufacturer Dealer	30 51	No	0
949	Office, Administration & Professional Services	Packing & Packaging Services	Packing/Unpacking Office Physical Record		Service	25211100S	The provision of packing / unpacking of office physical record including packing materials such as but not limited to wrapping material, security wrap, bar code, tag and boxes	General	L/R	-	Self-operated	51	No	0
950	Office, Administration & Professional Services	Packing & Packaging Services	Packing/Unpacking Personal Effects		Service	25211200S	The provision of packing/unpacking of personal effects including door-to-door transport services	General	L/R	-	Self-operated	51	No	0

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951	Office, Administration & Professional Services	Staff related expenses/activity	Other Staff Relations Expenses		Service	25231000S	NA	NA	NA	NA	NA	NA	NA	NA
952	Office, Administration & Professional Services	Staff related expenses/activity	Social/Religious/Recreational Activities		Service	25231100S	NA	NA	NA	NA	NA	NA	NA	NA
953	Office, Administration & Professional Services	Staff related expenses/activity	Family Day		Service	25231200S	NA	NA	NA	NA	NA	NA	NA	NA
954	Office, Administration & Professional Services	Staff related expenses/activity	Awards, Gifts & Donations to Staff - In-Kind		Service	25231300S	NA	NA	NA	NA	NA	NA	NA	NA
955	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Alloy Steel Seamless Pipes		Product	26101000P	To supply and deliver Alloy Steel Seamless Pipes including but not limited to exotic materials such as titanium, Hastelloy and inconel	General	L	-	Manufacturer Agent	3051	No	0

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956	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Alloy Steel Welded Pipes		Product	26101100P	To supply and deliver Alloy Steel Welded Pipes	General	L	-	Manufacturer Agent	30 51	No	0
957	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Bends		Product	26101200P	To supply and deliver hot/induction bend	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
958	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Carbon Steel Seamless Pipes		Product	26101300P	To supply and deliver carbon steel seamless pipes	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
959	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Carbon Steel Welded Pipes	Carbon Steel - Electric Resistance Welded (ERW) Pipes	Product	26101410P	To supply and deliver carbon steel ERW pipes	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
960	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Carbon Steel Welded Pipes	Carbon Steel - Longitudinal Submerged Arc Welded (LSAW) Pipes	Product	26101411P	To supply and deliver carbon steel LSAW pipes	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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961	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Carbon Steel Welded Pipes	Other Carbon Steel Welded Pipes	Product	26101412P	To supply and deliver carbon steel welded pipes excluding ERW, LSAW & SSAW	General	L/R	-	Manufacturer Agent	30 51	No	0
962	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Carbon Steel Welded Pipes	Carbon Steel - Spiral Submerged Arc Welded (SSAW) Pipes	Product	26101413P	To supply and deliver carbon steel SSAW pipes	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
963	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Corrosion Resistance Alloy (CRA) Clad		Product	26101500P	To supply and deliver Corrosion Resistance Alloy (CRA) Clad such as but not limited to Metallurgical and Mechanical	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
964	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Cupro Nickle Seamless Pipes		Product	26101600P	To supply and deliver cupro nickle seamless pipes	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
965	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Cupro Nickle Welded Pipes		Product	26101700P	To supply and deliver of cupro nickle welded pipes	General	L/R	-	Manufacturer Agent	30 51	No	0

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966	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Duplex Stainless Steel Seamless Pipes		Product	26101800P	To supply and deliver duplex stainless steel seamless pipes	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
967	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Duplex Stainless Steel Welded Pipes	Duplex Stainless Steel - Electric Resistance Welded (ERW) Pipes	Product	26101910P	To supply and deliver duplex stainless steel ERW pipes	General	L	-	Manufacturer Agent	30 51	No	0
968	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Duplex Stainless Steel Welded Pipes	Duplex Stainless Steel - Longitudinal Submerged Arc Welded (LSAW) Pipes	Product	26101911P	To supply and deliver duplex stainless steel LSAW pipes	General	L	-	Manufacturer Agent	30 51	No	0
969	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Duplex Stainless Steel Welded Pipes	Other Duplex Stainless Steel Welded Pipes	Product	26101912P	To supply and deliver duplex stainless steel welded pipes excluding ERW, LSAW & SSAW	General	L/R	-	Manufacturer Agent	30 51	No	0
970	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Duplex Stainless Steel Welded Pipes	Duplex Stainless Steel - Spiral Submerged Arc Welded (SSAW) Pipes	Product	26101913P	To supply and deliver duplex stainless steel SSAW pipes	General	L	-	Manufacturer Agent	30 51	No	0

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971	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Monel Seamless Pipes		Product	26102000P	To supply and deliver monel seamless pipes	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
972	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Monel Welded Pipes		Product	26102100P	To supply and deliver monel welded pipes	General	L	-	Manufacturer Agent	30 51	No	0
973	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Non Metallic Pipes		Product	26102200P	To supply and deliver Non Metallic Pipes such as but not limited to Thermoplastic Pipes, Glass Fiber Reinforced Pipes (GFRP), Reinforced Thermoplastic Pipes (RTP), Flexible Fiber Reinforced Pipe (FFRP) and HDPE, ABS, PVC, PP	General	L/R	-	Manufacturer Agent	30 51	No	0
974	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Stainless Steel Seamless Pipes		Product	26102300P	To supply and deliver stainless steel seamless pipes	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
975	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Stainless Steel Welded Pipes	Stainless Steel - Electric Resistance Welded (ERW) Pipes	Product	26102410P	To supply and deliver stainless steel welded ERW pipes	General	L	-	Manufacturer Agent	30 51	No	0

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976	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Stainless Steel Welded Pipes	Stainless Steel - Longitudinal Submerged Arc Welded (LSAW) Pipes	Product	26102411P	To supply and deliver stainless steel welded LSAW pipes	General	L	-	Manufacturer Agent	30 51	No	0
977	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Stainless Steel Welded Pipes	Other Stainless Steel Welded Pipes	Product	26102412P	To supply and deliver stainless steel welded pipes excluding ERW, LSAW & SSAW	General	L/R	-	Manufacturer Agent	30 51	No	0
978	Oil Country Tubular Goods (OCTG) & Line Pipes	Line Pipes	Stainless Steel Welded Pipes	Stainless Steel - Spiral Submerged Arc Welded (SSAW) Pipes	Product	26102413P	To supply and deliver stainless steel welded SSAW pipes	General	L	-	Manufacturer Agent	30 51	No	0
979	Oil Country Tubular Goods (OCTG) & Line Pipes	Offshore - Pipeline	Flexible Flowline		Product	26111000P	To supply and deliver flexible pipeline/riser/flowline, ancillaries and spare parts, proprietary items, qualified personnels, repair and refurbishment equipment including provision of engineering and repair services	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	2
980	Oil Country Tubular Goods (OCTG) & Line Pipes	Offshore - Pipeline	Riser		Product	26111100P	To supply and deliver top tension riser system/hybrid riser system/riser components but not limited to flex joint, stress joint, bouyancy system, connectors, fairings/strake and spare parts, proprietary items, qualified personnels, repair and refurbishment equipment including provision of engineering and repair services	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	2

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
981	Oil Country Tubular Goods (OCTG) & Line Pipes	Oil Country Tubular Goods (OCTG)	Casing & Accessories		Product	26121000P	To supply and deliver OCTG casing & accessories i.e Standard/Premium/Special (GRE)	General	L	Frozen for ALL TYPES OF APPLICATION (Exclusively managed by PETRONAS)	Manufacturer Agent	30 51	No	0
982	Oil Country Tubular Goods (OCTG) & Line Pipes	Oil Country Tubular Goods (OCTG)	Conductor/Connector		Product	26121100P	To supply and deliver OCTG Conductor/Connector i.e Standard/Premium/Special (GRE)	General	L	Frozen for ALL TYPES OF APPLICATION (Exclusively managed by PETRONAS)	Manufacturer Agent	30 51	No	0
983	Oil Country Tubular Goods (OCTG) & Line Pipes	Oil Country Tubular Goods (OCTG)	Pipe Threading Services		Service	26121200S	The provision of pipe threading facilities and services	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
984	Oil Country Tubular Goods (OCTG) & Line Pipes	Oil Country Tubular Goods (OCTG)	Tubing & Accessories		Product	26121300P	To supply and deliver OCTG Tubing & Accessories i.e. Standard/Premium/Special (GRE)	General	L	Frozen for ALL TYPES OF APPLICATION (Exclusively managed by PETRONAS)	Manufacturer Agent	30 51	No	0
985	Oil Country Tubular Goods (OCTG) & Line Pipes	Oil Country Tubular Goods (OCTG)	Tubular Thread Protectors		Product	26121400P	To supply and deliver Tubular Thread Protectors i.e. Standard/Premium/Special (GRE)	General	L	Frozen for ALL TYPES OF APPLICATION (Exclusively managed by PETRONAS)	Manufacturer Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

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986	Operations & Maintenance Services and Turnaround & Shutdown Services	Offshore Maintenance, Construction & Modification (MCM)	Floating Offshore Production Facilities O&M		Service	27101000S	The provision of manpower, materials, consumables, equipment and facilities for operations and maintenance of floating offshore facilities such as but not limited to FPSO, FSO, TLP, SPAR and Semi-sub	Strategic	L	Refer to MTR	Self-operated Agent	51 51	Yes	2
987	Operations & Maintenance Services and Turnaround & Shutdown Services	Offshore Maintenance, Construction & Modification (MCM)	Living Quarters		Service	27101100S	The provision of manpower, materials, consumables, equipment and facilities necessary for repair and maintenance of living quarters	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
988	Operations & Maintenance Services and Turnaround & Shutdown Services	Offshore Maintenance, Construction & Modification (MCM)	Maintenance & Repairs of Offshore Facilities		Service	27101200S	The provision of labour, materials, consumables, equipments and facilities necessary for maintenance and repair of offshore facilities (topside, jacket and pipeline)	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
989	Operations & Maintenance Services and Turnaround & Shutdown Services	Offshore Maintenance, Construction & Modification (MCM)	Topside Piping & Structural		Service	27101300S	The provision of manpower, materials, consumables, equipment and facilities necessary for repair and maintenance of topside facilities (piping and structural)	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
990	Operations & Maintenance Services and Turnaround & Shutdown Services	Onshore Maintenance, Construction & Modification (MCM)	Minor Onshore Fabrication		Service	27111000S	The provision of manpower, services, equipment, materials and facilities for minor onshore fabrication works for civil/ mechanical/electrical & instrumentation/ structural onshore fabrication works including but not limited to structure, grating works and equipment installation & associated structural works	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1

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991	Operations & Maintenance Services and Turnaround & Shutdown Services	Operations Consultancy Services	Flow Assurance		Service	27121000S	The provision of engineering services in the area of Flow Assurance Analysis during various stages including but not limited to Feasibility Study, Concept Select Study and Front End Engineering Design (FEED) of subsea development project	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
992	Operations & Maintenance Services and Turnaround & Shutdown Services	Operations Consultancy Services	Integrated Operations Consultancy & Services		Service	27121100S	The provision to conduct engineering study, services, Maintenance of Integrated Operations such as but not limited to SmartCen, Smart Well, Smart Field, Data Historian, Collaboration Centre, Upstream Modeling and Analysis Software, Optimization System, Data Quality Assurance and Information Management	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
993	Operations & Maintenance Services and Turnaround & Shutdown Services	Operations Consultancy Services	Pipeline Engineering Consultancy		Service	27121200S	To provide consultancy on pipeline integrity services such as but not limited to risk assessment, fitness for service assessment and advance integrity assessment	General	L/R	-	Self-operated	30	No	0
994	Operations & Maintenance Services and Turnaround & Shutdown Services	Operations Consultancy Services	Plant & Topside 3D Scanning & Modelling		Service	27121300S	The provision to provide services, equipment, software and manpower for plant & topside 3D scanning and modeling	Strategic	L/R	Refer to MTR	Self-operated	30	Yes	1
995	Operations & Maintenance Services and Turnaround & Shutdown Services	Operations Consultancy Services	Shutdown/Plant Turnaround Project Management		Service	27121400S	-	General	L/R	-	Self-operated	30	No	0

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996	Operations & Maintenance Services and Turnaround & Shutdown Services	Pipeline Maintenance	Offshore Pipeline Inspection & Repair		Service	27131000S	The provision of labor, material, equipment, services and facilities for Offshore Pipeline Inspection & Repair	General	L	-	Self-operated Agent	30 51	No	0
997	Operations & Maintenance Services and Turnaround & Shutdown Services	Pipeline Maintenance	Onshore Pipeline Inspection & Repair		Service	27131100S	The provision of labor, material, equipment, services and facilities for Onshore Pipeline Inspection & Repair	General	L/R	-	Self-operated Agent	30 51	No	0
998	Operations & Maintenance Services and Turnaround & Shutdown Services	Pipeline Maintenance	Pig Trap Maintenance		Service	27131200S	The provision of manpower, material, equipment, services and facilities for pig trap repair & maintenance	General	L/R	-	Self-operated Agent	30 51	No	0
999	Operations & Maintenance Services and Turnaround & Shutdown Services	Pipeline Maintenance	Pipeline In-Line Inspection		Service	27131300S	The provision of labor, material, equipment, services and facilities for pipeline in-line inspection	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2
1000	Operations & Maintenance Services and Turnaround & Shutdown Services	Pipeline Maintenance	Pipeline Internal Cleaning (Cleaning Pigging)		Service	27131400S	The provision of labor, material, equipment, services and facilities for pipeline internal cleaning (Cleaning Pigging), such as refurbishment and management of operational activities	Strategic	L/R	Refer to MTR	Self-operated Agent	30 51	Yes	2

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1001	Operations & Maintenance Services and Turnaround & Shutdown Services	Pipeline Maintenance	Riser Repair & Maintenance		Service	27131500S	The provision of labor, material, equipment, services and facilities for Riser Repair & Maintenance	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	1
1002	Operations & Maintenance Services and Turnaround & Shutdown Services	Service Station Maintenance & Upgrading Works			Service	27140000S	The provision of manpower, materials, equipment, services, project management and facilities for maintenance and upgrading of service station including civil, mechanical & electrical works	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
1003	Operations & Maintenance Services and Turnaround & Shutdown Services	Turnaround/Shu tdown Services	100k - 350k Manhours		Service	27151000S	The provision of manpower, materials, consumables, equipment and facilities necessary for integrated end-to-end planning and preparation, execution and sub-contractor management for Turnaround / Shutdown between 100k – 350k manhours not limited to mechanical defect works for static equipment, structural and piping.	Strategic	R	Refer to MTR	Self-operated	51	Yes	1
1004	Operations & Maintenance Services and Turnaround & Shutdown Services	Turnaround/Shu tdown Services	Below 100k Manhours		Service	27151100S	The provision of manpower, materials, consumables, equipment and facilities necessary for integrated end-to-end planning and preparation, execution and sub-contractor management for Turnaround / Shutdown below 100k manhours not limited to mechanical defect works for static equipment, structural and piping.	Strategic	R	Refer to MTR	Self-operated	51	Yes	1
1005	Operations & Maintenance Services and Turnaround & Shutdown Services	Turnaround/Shu tdown Services	More than 350k Manhours		Service	27151200S	The provision of manpower, materials, consumables, equipment and facilities necessary for integrated end-to-end planning and preparation, execution and sub-contractor management for Turnaround / Shutdown more than 350k manhours not limited to mechanical defect works for static equipment, structural and piping.	Strategic	R	Refer to MTR	Self-operated	51	Yes	1

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1006	Operations & Maintenance Services and Turnaround & Shutdown Services	Underwater Services	Remotely Operated Vehicles (ROV) Services		Service	27161000S	-	General	L	-	Self-operated Agent	30 51	No	0
1007	Operations & Maintenance Services and Turnaround & Shutdown Services	Underwater Services	Saturation Diving Services		Service	27161100S	-	General	L	-	Self-operated Agent	30 51	No	0
1008	Operations & Maintenance Services and Turnaround & Shutdown Services	Underwater Services	Surface Diving Services		Service	27161200S	-	General	L	-	Self-operated Agent	30 51	No	0
1009	Operations & Maintenance Services and Turnaround & Shutdown Services	Underwater Services	Underwater Engineering, Construction & Maintenance Services		Service	27161300S	The provision of manpower, materials, equipment, services and facilities for Underwater Engineering, Construction & Maintenance Services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1010	Operations & Maintenance Services and Turnaround & Shutdown Services	Underwater Services	Underwater Inspection/Divin g Services		Service	27161400S	-	General	L/R	-	Self-operated	51	No	0

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1011	Process Piping Equipment & Services	Actuator Valves	Actuated On/Off Valves		Product	28101000P	To design, engineer, supply, deliver, install, hook up, integrate, test and commission of complete assembly of Actuated On/Off Valves	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1012	Process Piping Equipment & Services	Actuator Valves	Control Valves		Product	28101100P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission and training of Control Valves	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1013	Process Piping Equipment & Services	Actuator Valves	Hydraulic Type		Product	28101200P	To design, engineer, assemble, supply, deliver, install, hook up and test Hydraulic Type Actuator	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1014	Process Piping Equipment & Services	Actuator Valves	Instrument Valves & Manifolds		Product	28101300P	To design, engineer, assemble, supply, deliver, install, hook up and tes Instrument Valves and Manifolds	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1015	Process Piping Equipment & Services	Actuator Valves	LPG Compact Valve		Product	28101400P	To supply and deliver LPG Compact Valve	Strategic	R	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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1016	Process Piping Equipment & Services	Actuator Valves	MOV		Product	28101500P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Electric Actuator of an MOV system with its control system	Strategic	L	Refer to MTR	Manufacturer Assembler Agent	30 30 51	Yes	3
1017	Process Piping Equipment & Services	Actuator Valves	Pneumatic Type Actuator Valves		Product	28101600P	To design, engineer, assemble, supply, deliver, install, hook up and test Pneumatic Type Actuator Valves	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1018	Process Piping Equipment & Services	Actuator Valves	Solenoid		Product	28101700P	To design, assemble, supply, deliver, install, hook up, test, commission and personnel training of Electric Actuator of Solenoid system	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1019	Process Piping Equipment & Services	Actuator Valves	Solenoid Valves		Product	28101800P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission of Solenoid Valves	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1020	Process Piping Equipment & Services	Actuator Valves	Thermostatic Valves		Product	28101900P	To design, engineer, assemble, supply, deliver, install, hook up, test, commission of Thermostatic Valves	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1

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1021	Process Piping Equipment & Services	Actuator Valves	Valve Accessories & Ancillaries		Product	2810200P	To design, engineer, assemble, supply, deliver, install, hook up, test and commission of Valve Accessories & Ancillaries such as but not limited to Valve Positioners, Process Regulators, other Valve Accessories & Ancillaries (i.e. regulator, lock up valve, switching valve).	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1022	Process Piping Equipment & Services	Actuator Valves Maintenance	Motor Operated Valve		Service	2811100S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Motor Operated Valve	General	L/R	-	Self-operated Agent	51 51	No	0
1023	Process Piping Equipment & Services	Actuator Valves Maintenance	Instrumentation Valve		Service	2811110S	The provision of labour, materials, consumables, equipment and facilities in necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Instrumentation Valve such as but not limited to Pneumatic Actuated Valve, Hydraulic Actuated Valve, Solenoid Operated Valve (SOV) and Regulator.	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2
1024	Process Piping Equipment & Services	Actuator Valves Maintenance	Special Application Valve		Service	2811120S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Special Application Valve such as Cryogenic valve, Severe Service valve, Special design Valve, Oxygen Service valve	Strategic	L/R	Refer to MTR	Self-operated Agent	51	Yes	2
1025	Process Piping Equipment & Services	Actuator Valves Maintenance	Thermostatic Valve		Service	2811130S	The provision of labour, materials, consumables, equipment and facilities necessary for cleaning, repair, overhaul, refurbish, maintenance, testing and commissioning of Thermostatic Valves	Strategic	L/R	Refer to MTR	Self-operated Agent	51 51	Yes	2

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1026	Process Piping Equipment & Services	Insulation Services			Service	28120000S	The provision of insulation work for Hot Insulation, Acoustic Insulation, Cold Insulation and Personnel Protection Insulation	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
1027	Process Piping Equipment & Services	Mechanical Valves	Ball Valves		Product	28131000P	To supply and deliver Ball Valves less than 50mm (Non-Firesafe & Firesafe/Firetested) and Ball Valve 50mm and larger (Firesafe/Firetested & Offshore Pipeline Valve)	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1028	Process Piping Equipment & Services	Mechanical Valves	Butterfly Valves		Product	28131100P	To supply and deliver Butterfly Valves such as but not limited to Concentric, Double Offset and Triple Offset	General	L	-	Manufacturer Agent	30 51	No	0
1029	Process Piping Equipment & Services	Mechanical Valves	Check Valves		Product	28131200P	To supply and deliver Check Valves such as but not limited to Swing Type, Dual Plate, Non-Slam & Piston/Ball Type	General	L	-	Manufacturer Agent	30 51	No	0
1030	Process Piping Equipment & Services	Mechanical Valves	Choke Valves		Product	28131300P	-	General	L	-	Manufacturer Agent	30 51	No	0

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1031	Process Piping Equipment & Services	Mechanical Valves	Diaphragm Valves		Product	28131400P	-	General	L	-	Manufacturer Dealer	30 51	No	0
1032	Process Piping Equipment & Services	Mechanical Valves	Gate Valves		Product	28131500P	To supply and deliver Gate Valves	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1033	Process Piping Equipment & Services	Mechanical Valves	Gate Valves - Through Conduit (Slab & Expandable Type)		Product	28131600P	-	General	L	-	Manufacturer Agent	30 51	No	0
1034	Process Piping Equipment & Services	Mechanical Valves	Globe Valves		Product	28131700P	To supply and deliver Globe Valves	General	L	-	Manufacturer Agent	30 51	No	0
1035	Process Piping Equipment & Services	Mechanical Valves	Integral Double Block & Bleed Valve (Non-Instrument)		Product	28131800P	-	General	L	-	Manufacturer Agent	30 51	No	0

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1036	Process Piping Equipment & Services	Mechanical Valves	Needle Valves (Non-Instrument)		Product	28131900P	-	General	L	-	Manufacturer Agent	30 51	No	0
1037	Process Piping Equipment & Services	Mechanical Valves	Plug Valves		Product	28132000P	-	General	L	-	Manufacturer Agent	30 51	No	0
1038	Process Piping Equipment & Services	Mechanical Valves	Special Valve		Product	28132100P	To supply and deliver Special Valve such as but not limited to Rotary valve, 3 way valve, piston valve, minimum flow auto recirculation and foot valve	General	L/R	-	Manufacturer Agent	30 51	No	0
1039	Process Piping Equipment & Services	Mechanical Valves	Vacuum/Breather Valves		Product	28132200P	-	General	L	-	Manufacturer Agent	30 51	No	0
1040	Process Piping Equipment & Services	Mechanical Valves	Valves Locking/Interlocking Devices		Product	28132300P	-	General	L	-	Manufacturer Agent	30 51	No	0

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1041	Process Piping Equipment & Services	Mechanical Valves Maintenance	Governor Valve		Service	28141000S	The provision of labour, materials, consumables, equipments and facilities necessary for repair and maintenance of Governor Valve	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
1042	Process Piping Equipment & Services	Mechanical Valves Maintenance	Governor Valve Control		Service	28141100S	The provision of manpower, materials, consumables, equipment and facilities necessary for repair and maintenance of governor control system	General	L/R	-	Self-operated Agent	51 51	No	0
1043	Process Piping Equipment & Services	Mechanical Valves Maintenance	Mechanical Valve		Service	28141200S	The provision of manpower, materials, consumables, equipment and facilities necessary for repair, maintenance, testing and commissioning of Mechanical Valve	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
1044	Process Piping Equipment & Services	Mechanical Valves Maintenance	Relief Valve		Service	28141300S	The provision of manpower, materials, consumables, equipments and facilities necessary for repair, maintenance, testing, setting and commissioning of Relief Valve (including vacuum breaker & rupture disc)	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
1045	Process Piping Equipment & Services	Pipe Fittings	Alloy Fitting & Flanges		Product	28151000P	To supply and deliver Alloy Fitting & Flanges including but not limited to exotic material such as titanium, hastelloy, inconel, etc.	General	L	-	Manufacturer Agent	30 51	No	0

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1046	Process Piping Equipment & Services	Pipe Fittings	Auto drainer		Product	28151100P	-	General	L	-	Manufacturer Agent	30 51	No	0
1047	Process Piping Equipment & Services	Pipe Fittings	Bolting Materials (exclude OEM)		Product	28151200P	To manufacture, supply and deliver of Bolting Materials	Strategic	L/R	Refer to MTR	Manufacturer	30	Yes	1
1048	Process Piping Equipment & Services	Pipe Fittings	Carbon Steel, Stainless Steel & Duplex Fitting & Flanges		Product	28151300P	-	General	L	-	Manufacturer Agent	30 51	No	0
1049	Process Piping Equipment & Services	Pipe Fittings	Chemical Injection/Sampling quill assembly		Product	28151400P	-	General	L	-	Manufacturer Agent	30 51	No	0
1050	Process Piping Equipment & Services	Pipe Fittings	Corrosion access fitting/coupon holder/probe		Product	28151500P	-	General	L	-	Manufacturer Agent	30 51	No	0

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1051	Process Piping Equipment & Services	Pipe Fittings	Cupro Nickel & Monel Fitting & Flanges		Product	28151600P	-	General	L	-	Manufacturer Agent	30 51	No	0
1052	Process Piping Equipment & Services	Pipe Fittings	Expansion Joint/Bellow		Product	28151700P	-	General	L	-	Manufacturer Agent	30 51	No	0
1053	Process Piping Equipment & Services	Pipe Fittings	Non-Metal Fittings & Flanges		Product	28151800P	-	General	L/R	-	Manufacturer Agent	30 51	No	0
1054	Process Piping Equipment & Services	Pipe Fittings	Spade, Blind & Spacer		Product	28151900P	-	General	L	-	Manufacturer Agent	30 51	No	0
1055	Process Piping Equipment & Services	Pipe Fittings	Special Pipe Support & Exhaust Stacks		Product	28152000P	To supply and deliver Special Pipe Support & Services such as but not limited to constant and variable spring hangers/support, ancilliaries, snubbers, cold shoes, etc.) and Exhaust Stack & Accessories	General	L/R	-	Manufacturer Agent	30 51	No	0

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Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1056	Process Piping Equipment & Services	Pipe Fittings	Specialized Gasket		Product	28152100P	To supply and deliver Specialized Gasket to connect dissimilar flanges, to carry out in-situ pressure test, etc.	General	L/R	-	Manufacturer Agent	30 51	No	0
1057	Process Piping Equipment & Services	Pipe Fittings	Standard Gaskets		Product	28152200P	To manufacture, supply and deliver of Standard Gaskets	Strategic	L/R	Refer to MTR	Manufacturer	30	Yes	1
1058	Process Piping Equipment & Services	Pipe Fittings	Steam Traps		Product	28152300P	-	General	L	-	Manufacturer Agent	30 51	No	0
1059	Process Piping Equipment & Services	Pipe Fittings	Y Strainer, Conical Strainer & Basket Strainer		Product	28152400P	-	General	L	-	Manufacturer Agent	30 51	No	0
1060	Process Piping Equipment & Services	Pressure Safety Devices - Rupture Discs			Product	28160000P	-	General	L	-	Manufacturer Dealer	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1061	Process Piping Equipment & Services	Pressure Safety Valves			Product	28170000P	To supply and deliver Pressure Safety Valves such as but not limited to Pilot Operated Safety Relief Valve, Pilot Operated Safety Relief Valve and Conventional Safety Relief Valve	General	L	-	Manufacturer Agent	30 51	No	0
1062	Structural Steel & Aluminum	Structural Aluminium			Product	29100000P	To design, fabricate, supply, deliver and install structural aluminium	Strategic	L	Refer to MTR	Manufacturer Agent	30 51	Yes	1
1063	Structural Steel & Aluminum	Structural Steel	Beams & Columns		Product	29111000P	-	General	L	-	Manufacturer Agent	30 51	No	0
1064	Structural Steel & Aluminum	Structural Steel	Plates		Product	29111100P	-	General	L	-	Manufacturer Agent	30 51	No	0
1065	Structural Steel & Aluminum	Structural Steel	Tubular - Rods & Bars		Product	29111200P	-	General	L	-	Manufacturer Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1066	Structural Steel & Aluminum	Structural Steel	Tubular - Seamless		Product	29111300P	-	General	L	-	Manufacturer Agent	30 51	No	0
1067	Structural Steel & Aluminum	Structural Steel	Tubular - Welded		Product	29111400P	-	General	L	-	Manufacturer Agent	30 51	No	0
1068	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Artificial Lift Services	Electrical Submersible Pump (ESP)	Service	30101010S	To supply, deliver, install and maintenance of Electrical Submersible Pump (ESP)	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1069	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Artificial Lift Services	Gas Lift	Service	30101011S	To design, supply, deliver, install and maintenance of Gas Lift system	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
1070	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Artificial Lift Services	Other artificial lift system & services	Service	30101012S	To design, supply, deliver, install and maintenance of other artificial lift such as but not limited to Progressive Cavity Pump, Rod Pumping Services and Jet Pump	Strategic	L	Refer to MTR	Self-operated	30	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1071	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Auxiliary Cementing & Accessories	Centralizer & Accessories	Product	30101110P	-	General	L	-	Manufacturer Agent	30 51	No	0
1072	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Auxiliary Cementing & Accessories	Float Equipment & Accessories	Product	30101111P	-	General	L	-	Manufacturer Agent	30 51	No	0
1073	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Borehole Survey/Gyro Survey Services		Service	30101200S	The provision of borehole/gyro survey equipment, qualified personnel and engineering/technical support for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1074	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Cementing Equipment & Services		Service	30101300S	The provision of cementing equipment/accessories, material (class G cement and cement additives), qualified personnel, laboratory facilities, inspection and maintenance for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1075	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Coiled Tubing Services	Coiled Tubing Completion	Service	30101410S	The provision of Coiled Tubing Completion Services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1076	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Coiled Tubing Services	Coiled Tubing Unit & Services	Service	30101411S	The provision of Coiled Tubing Unit (CTU) and qualified personnel/crew for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated Agent	3051	Yes	2
1077	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Completion/Intervention Equipment	Gaslift Valve & Side Pocket Mandrel	Product	30101510P	-	General	L	-	Manufacturer Agent	3051	No	0
1078	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Completion/Intervention Equipment	Protector for Control Line & Cables	Product	30101511P	-	General	L	Frozen (VDP)	Manufacturer Agent	3051	No	0
1079	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Coring Equipment & Services		Service	30101600S	The provision of coring equipment, qualified personnel and maintenance for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1080	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Directional Drilling, Measurement While Drilling & Logging While Drilling		Service	30101700S	The provision of directional drilling, gyro while drilling, measurement while drilling (MWD) and logging while drilling (LWD) equipment/tools, personnel, directional planning/engineering and maintenance	Strategic	L	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1081	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Drill Bits & Accessories		Product	30101800P	To design, supply and deliver Drill Bits & Accessories such as but not limited to Core bits, rock bits, PDC bits and accessories	General	L	-	Manufacturer Agent	30 51	No	0
1082	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Drilling Equipment Rental & Services		Service	30101900S	The provision of Drilling Equipment Rental and Services such as but not limited to drill pipe, associated crossover, pup joints and personnel	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1083	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Drilling Fishing Services	Oilfield Fishing Equipments & Services	Service	30102010S	The provision of fishing equipment/tools, qualified personnel, inspection and maintenance for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1084	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Drilling/Completion on Fluids Services		Service	30102100S	The provision of mud engineering, materials (mud chemical and additives) and laboratory facilities for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1085	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Drilling/Completion on Fluids Services	Drilling/Completion on Fluid Filtration Equipment & Services	Service	30102110S	The provision of completion fluid filtration equipment and consumables, qualified personnel and equipment maintenance for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1086	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Electric Wireline Logging	Cased Hole Electric Logging & Services	Service	30102210S	The provision of qualified personnel, equipment and services for rig assisted and/or non-rig assisted cased hole electric logging	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1087	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Electric Wireline Logging	Open Hole Electric Logging & Services	Service	30102211S	The provision of qualified personnel, equipment and services for rig assisted open-hole electric logging	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1088	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Integrated Well Abandonment Services		Service	30102400S	The provision of Well Abandonment including equipment and personnel	General	L	-	Self-operated Agent	30 51	No	0
1089	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Liner Hanger Equipment & Services		Service	30102500S	The provision to supply, deliver, assemble, install, test and maintain liner hanger equipment and accessories	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
1090	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Liquid Mud Plant	Floating Liquid Mud Plant/Barge (FLMP)	Service	30102610S	The provision of Floating Liquid Mud Plant/Barge (FLMP) including personnel to provide liquid storage and facilities offshore for drilling operation (It may be equipped with mixing facilities)	Strategic	L	Refer to MTR	Vessel owner-operator Vessel operator Agent	30 51 51	Yes	3

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1091	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Liquid Mud Plant	Onshore Liquid Mud Plant	Service	30102611S	The provision of Onshore Liquid Mud Plant including personnel to provide liquid storage, mixing and treatment facilities to support drilling operation	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
1092	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Mud Logging		Service	30102700S	The provision of equipment and services, special services (pressure detection), drill cuttings analysis and drilling parameter (Torque/Drag)	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1093	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Sand Exclusion Services	Expandable Sand Screen Equipment & Services	Service	30102810S	The provision of Expandable Sand Screen Equipment and Services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1094	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Sand Exclusion Services	Open & Cased Hole Gravel Packing Equipment & Services	Service	30102811S	The provision of Gravel Packing Equipment & Services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1095	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Sand Exclusion Services	Stand Alone Screen Equipment & Services	Service	30102812S	The provision of Standalone Sand Control Screen Equipment and Services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1096	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Slickline Services		Service	30102900S	The provision of slickline equipment/tools, personnel and engineering/technical support for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1097	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Casing Drilling	Service	30103010S	The provision of casing drilling equipment and services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1098	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Coiled Tubing Drilling (CTD)/Through Tubing Rotary	Service	30103011S	The provision of skilled personnel and equipment to perform Coiled Tubing Drilling /Through Tubing Rotary Drilling (this scope involves planning and logistics)	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1099	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Downhole Conveying Device	Service	30103012S	The provision of downhole conveying device including personnel and services	General	L	-	Self-operated	30	No	0
1100	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Expandable Tubular	Service	30103013S	To supply, deliver, install and test/commission Expandable Tubular (i.e. Expandable liner)	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1101	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Smart/Intelligent Well System	Service	30103014S	To supply, deliver, install, test/commission and maintenance Intelligent/Smart Well System. (Complete with PDG and Flow Control Valve (FCV))	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1102	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Swell/Expandable Packer	Service	30103015S	To supply, deliver, install and test/commission Swell/Expandable Packer	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1103	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Under Balance Drilling (UBD) & Managed Pressure	Service	30103016S	The provision of Under Balanced Drilling Equipment and Services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1104	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Well Bore Cleanup Equipment & Services	Service	30103017S	The provision of well bore cleanup equipment and services including personnel	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1105	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Drilling Services	Well Drilling Monitoring-Real Time Operation	Service	30103018S	The provision of well drilling monitoring-real time operation including personnel and services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1106	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Crude Oil/Condensate	Service	30103110S	To witness, monitor and verify the quality and quantity measurement of crude oil received from offshore fields and delivery of crude oil for export via tankers or local processing	General	L	-	Self-operated	30	No	0
1107	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Downhole Tractoring Services	Service	30103111S	The provision of downhole tractoring equipment and services	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
1108	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Drilling jars & Other Down Hole Drilling	Service	30103112S	The provision of rental of drilling jar and other downhole equipment/other related tools for onshore and offshore services	General	L	-	Self-operated Agent	30 51	No	0
1109	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Drilling mud cooler equipment	Service	30103113S	The provision of drilling mud cooler equipment and services	General	L	-	Self-operated Agent	30 51	No	0
1110	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Drilling Waste & Solid Control Services	Service	30103114S	The provision of cutting dryers, centrifuge consumable and personnel for drilling waste & solid control services	General	L	-	Self-operated Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1111	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Multiple Activation bypass	Service	30103115S	The provision of manpower, equipment and services such as but not limited to PBL and Well commander	General	L	-	Self-operated Agent	30 51	No	0
1112	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Tubular & Drill String Maintenance	Service	30103116S	The provision of manpower, equipment and services for maintenance of tubulars (casings and tubings) and drill strings (drill pipes, drill collars, HW Drill Pipes etc) services	General	L	-	Self-operated Agent	30 51	No	0
1113	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Well Control & Blowout Emergency Response	Service	30103117S	The provision of well control & blowout emergency response equipment, personnel and services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1114	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Well Leak Repair Services	Service	30103118S	The provision of well leak repair services including grouting	General	L	-	Self-operated Agent	30 51	No	0
1115	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Specialized Well Services	Well Stimulation/Enhancement Services	Service	30103119S	The provision of stimulation equipment and chemicals, qualified personnel and equipment maintenance for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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1116	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Subsea Well Intervention		Service	30103200S	The provision of manpower, materials, consumables, equipment and tools necessary for subsea well Intervention Services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1117	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Tubular Installation		Service	30103300S	The provision of tubular running equipment, qualified personnel, maintenance, inspection and torque-turn for onshore and offshore services.	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1118	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Completion Equipment & Services		Service	30103400S	To supply , deliver, assemble, install and test completion equipment and accessories such as but not limited to Subsurface Safety Valve, Packer, Nipple, Sliding Sleeves, Gaslift Mandrel & Accessories, Seal Assembly, Control Line and Protector and Tubular Accessories	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
1119	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Killing & Pumping Services		Service	30103500S	The provision of Well Killing and Pumping Services including equipment and personnel	General	L	-	Self-operated Agent	30 51	No	0
1120	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Perforation Services	Coiled Tubing Well Perforating Services	Service	30103610S	The provision of Coiled Tubing Well Perforating, Skilled Personnel and Services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1121	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Perforation Services	Electricline Well Perforating Services	Service	30103611S	The provision of Electricline Well Perforating, Skilled Personnel and Services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1122	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Perforation Services	Slickline Well Perforating Services	Service	30103612S	The provision of Slickline Well Perforating, Skilled Personnel and Services	General	L	-	Self-operated	51	No	0
1123	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Perforation Services	Through Tubing Well Perforation Services	Service	30103613S	The provision of Through Tubing Well Perforation, Skilled Personnel and Services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1124	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Perforation Services	Tubing Conveyed Perforation	Service	30103614S	The provision of Tubing Conveyed Perforating, Skilled Personnel and Services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1125	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Perforation Services	Well Tubing Puncher Services	Service	30103615S	The provision of Well Tubing Puncher, Skilled Personnel and Services	General	L	-	Self-operated	51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



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No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1126	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Well Testing Equipment and Services		Service	30103700S	The provision of well testing equipment, qualified personnel, equipment maintenance, liquid and gas sampling/analysis for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated	51	Yes	1
1127	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Wellhead/Christmas Tree	Subsea	Product	30103810P	To design, manufacture, test, assemble, supply, deliver, install, hookup and commission of Subsea Wellhead and Christmas Tree, Installation & Workover Control System (IWOCs), wellhead equipment, running tools, consumables and spare parts, proprietary items, qualified personnel, repair and refurbishment equipment, conduct training on installation and operation, including provision of engineering and repair services.	Strategic	L	Refer to MTR	Manufacturer	30	Yes	1
1128	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Wellhead/Christmas Tree	Surface	Product	30103811P	To design, assemble, supply, deliver, install, test surface wellhead and Christmas Tree and conduct training on operation	Strategic	L	Refer to MTR	Manufacturer	30	Yes	1
1129	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Wellhead/Christmas Tree Services	Subsea Production System Maintenance & Repair Services	Service	30103910S	The provision of manpower,tooling, spares, refurbishment, equipment, project management and engineering in Subsea Equipment Maintenance and Repair Services such as but not limited to Subsea Christmas tree, control system, distribution system, hardware, structure and tooling	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
1130	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Wellhead/Christmas Tree Services	Subsea Wellhead/Christmas Tree Maintenance & Services	Service	30103911S	The provision of manpower, materials, consumables, equipment and tools necessary for inspection, maintenance, repair and troubleshooting of subsea wellhead	Strategic	L	Refer to MTR	Self-operated	51	Yes	1

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1131	Wells	Drilling/Completion/Intervention/Workover/Abandonment	Wellhead/Christmas Tree Services	Surface Wellhead/Christmas Tree Maintenance & Services	Service	30103912S	The provision of manpower, materials, consumables, equipment and tools necessary for inspection, maintenance, repair and troubleshooting of surface wellhead	Strategic	L/R	Refer to MTR	Self-operated	51	Yes	1
1132	Wells	Rigs Services	Dedicated Workover Services	Conventional Workover Rig	Service	30111010S	The provision of Conventional Workover Rig (CWR) and qualified personnel/crew for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1133	Wells	Rigs Services	Dedicated Workover Services	Hydraulic Workover Unit (HWU)/Workover Pulling Unit	Service	30111011S	The provision of Hydraulic Workover Unit (HWU)/Workover Pulling Unit (WPU) and qualified personnel/crew for onshore and offshore services	Strategic	L	Refer to MTR	Rig operator Rig owner-operator Agent	51 30 51	Yes	3
1134	Wells	Rigs Services	Dedicated Workover Services	Snubbing Unit & Services	Service	30111012S	The provision of Snubbing unit and qualified personnel/crew for onshore and offshore services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2
1135	Wells	Rigs Services	Drilling Rigs	Offshore - Drill Ship	Service	30111110S	The provision of drill ship including manpower, equipment, ROV, consumables, and facilities necessary for drilling services	Strategic	L	Refer to MTR	Rig operator Rig owner-operator Agent	51 30 51	Yes	3

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1136	Wells	Rigs Services	Drilling Rigs	Offshore - Jackup Rig Services	Service	30111111S	The provision of Jackup Rig including manpower, equipment, consumables, and facilities necessary for drilling services	Strategic	L	Refer to MTR	Rig operator Rig owner-operator Agent	51 30 51	Yes	3
1137	Wells	Rigs Services	Drilling Rigs	Offshore - Self Contained/Platform Rig Services	Service	30111112S	The provision of self contained/platform rig services including manpower, equipment, consumables, and facilities necessary for drilling services	Strategic	L	Refer to MTR	Rig operator Rig owner-operator Agent	51 30 51	Yes	3
1138	Wells	Rigs Services	Drilling Rigs	Offshore - Semi-Submersible	Service	30111113S	The provision of semi-submersible including manpower, equipment, consumables, and facilities necessary for drilling services	Strategic	L	Refer to MTR	Rig operator Rig owner-operator Agent	51 30 51	Yes	3
1139	Wells	Rigs Services	Drilling Rigs	Offshore - Tender Assisted	Service	30111114S	The provision of tender assisted including manpower, equipment, consumables, and facilities necessary for drilling services	Strategic	L	Refer to MTR	Rig operator Rig owner-operator Agent	51 30 51	Yes	3
1140	Wells	Rigs Services	Drilling Rigs	Onshore - Land Oilfield Rig Services	Service	30111115S	The provision of land oilfield rig services including manpower, equipment, consumables, and facilities necessary for drilling services.	Strategic	L	Refer to MTR	Rig operator Rig owner-operator Agent	51 30 51	Yes	3

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1141	Wells	Rigs Services	Drilling Rigs	Swamp Barge Oilfield Rig Services	Service	30111116S	The provision of swamp barge oilfield rig services including manpower, equipment, consumables, and facilities necessary for drilling services.	Strategic	L	Refer to MTR	Rig operator Rig owner-operator	51 30	Yes	2
1142	Wells	Rigs Services	Rig Inspection Services		Service	30111200S	The provision of manpower to carry out technical acceptance of rig equipment and facilities, inspection and audit.	General	L	-	Self-operated	51	No	0
1143	Wells	Wells Consultancy Services	Project Management - Drilling		Service	30121000S	The provision of Drilling Integrated Engineering and Project Management services	General	L	-	Self-operated Agent	30 51	No	0
1144	Wells	Wells Consultancy Services	R&D Services		Service	30121100S	The provision to conduct Wells Related R&D Services such as but not limited to R&D Chemicals, R&D Additives and R&D Drilling & Well Technology.	General	L	-	Self-operated	30	No	0
1145	Wells	Wells Consultancy Services	Specialized Drilling and Completion Consultancy		Service	30121200S	Provision of Specialized Drilling Studies such as but not limited to Borehole Stability, Sand Management, Geomechanic, Deepwater Riser Analysis, Deepwater Conductor Design, Drilling Optimisation, Underbalanced Drilling, Wellhead Fatigue Analysis, etc.	General	L	-	Self-operated Agent	30 51	No	0

STANDARDISED WORK AND EQUIPMENT CATEGORIES (SWEC) FOR PRODUCTS & SERVICES

(UPDATED SWEC ATTRIBUTES - 15 JUNE 2020 ONWARDS)



Updated SWEC							Updated SWEC Attributes							
No	New Level 1	New Level 2	New Level 3	New Level 4	Products / Services	New Code	Description	Strategic / General	L/R	Other Registration Requirement /Remarks	Mode of Operation	BM% Required	MTR	No of MTR
1146	Wells	Wells Consultancy Services	Specialized Sub-surface Consultancy Services	Production Technology Consultancy	Service	30121310S	-	General	L	-	Self-operated Agent	30 51	No	0
1147	Wells	Wells Consultancy Services	Subsea Specialised Study		Service	30121400S	The provision of special consultancy The provision of subsea specialised study such as but not limited to Constructability/Installability, Commissioning/Startup, Material/Fluid Compatibility Analysis, Fatigue/Dynamic Analysis, HSE/Risk & Reliability Assurance work (i.e. RAM, FMECA, HAZOP, HAZID), Engineering Verification etc.) for Subsea Facilities	Strategic	L	Refer to MTR	Self-operated	30	Yes	1
1148	Wells	Wells Consultancy Services	Well Control Consultancy		Service	30121500S	Provision of well control prevention, blowout contingency planning and consultancy services	Strategic	L	Refer to MTR	Self-operated Agent	30 51	Yes	2