



DEPARTMENT OF ELECTRICAL SERVICES

PRIME MINISTER'S OFFICE

GENERAL LISTS OF APPROVED PRODUCTS / MANUFACTURERS FOR MECHANICAL AND ELECTRICAL INSTALLATIONS

REVISION 5 NOVEMBER 2016

1.0 POWER CABLES AND ACCESSORIES

1.1 33KV / 66KV HIGH VOLTAGE (XLPE LEAD SHEATH)

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	1.1.1	Federal Powers	(Malaysia)	33KV & 66KV XLPE Underground Cables
√	1.1.2	LG Tek	(Korea)	
√	1.1.3	Phelps Dodge	(Thailand)	H.T. Power Cable
√	1.1.4	Pirelli	(Italy / U.K)	
√	1.1.5	Taihan	(Korea)	4C/300mm ₂ XLPE/LSF CABLE, 2.) 1C/25mm ₂ XLPE/LSF CABLE 3.) 5C/4mm ₂ XLPE/LSF CABLE
	1.1.6	Leader Cable	(Malaysia)	66KV XLPE CABLE (Up to 1C X 800mm.Sq)
	1.1.7	LS-Vina	(Vietnam)	HIGH VOLTAGE CABLES UP TO 170KV (UP TO CONDUCTOR SIZE 1000sqmm)
	1.1.8	Suedkabel GMBH	(Germany)	66KV XLPE/LEAD SHEATHED CABLE
	1.1.9	PCM	(Malaysia)	33KV & 66KV HIGH VOLTAGE CABLES



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1.2 11KV MEDIUM VOLTAGE UNDERGROUND CABLE (XLPE LEAD SHEATHED)

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	1.2.1	Federal Powers	(Malaysia)	1) 11KV XLPE Underground Cables
√	1.2.2	LG Tek	(Korea)	
√	1.2.3	Phelps Dodge	(Thailand)	11KV XLPE Underground Cables & 600 / 1000V Low Voltage Cables
√	1.2.4	Pirelli	(Italy/U.K)	
√	1.2.5	Taihan Cable Vina Co. Ltd.	(Korea, Vietnam)	1) 95 SQ.MM/3C XLPE/LD/DSTA PVC CABLES 2) 185SQ.MM/3C XLPE/LD/DSTA/PVC CABLE 3) 300 SQ.MM 3C XLPE/LD/DSTA/PVC CABLE 8.7/15kv XLPE Power Cable up to 3Cx300mm ²
	1.2.6	PCM	(Malaysia)	11KV XLPE MEDIUM VOLTAGE CABLES
	1.2.7	Prysmian	(Italy)	AIRBAG CABLE-6 . 35/11KV (3C 95 SQMM HEPR/AIRBAG) , 6.35/11KV (3C 185 SQMM HEPR/AIRBAG & 6.35/11KV (3C 300SQMM HEPR/AIRBAG)
	1.2.8	Prysmian	(Indonesia)	6350/11000v, 95mm ² - 300mm ² , 3C/CU/HEPR/Polymeric Protection/PE-AIRBAG CABLE METER



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1.3 (i) LOW VOLTAGE CABLES AND PILOT CABLES (XLPE / SWA / PVC AND PVC / SWA / PVC)
(ii) LOW VOLTAGE AERIAL BUNDLE CONDUCTOR
(i) (ii) - PURPLE COLOUR

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	1.3.1	Iljin Cables	(Korea)	1. 600/1000V XLPE CABLES
√	1.3.2	Kaiser	(Germany)	1. LV CABLES (XLPE/PVC INSULATION) LV
√	1.3.3	L.K.H	(Brunei)	1. XLPE INSULATED ARMoured CABLE : 2C (16, 25, 35) mm sq., 4C (16,25,35,70,95,120,185,240)mm sq., 1C (400,500,630) mm sq., _____ A) XLPE INSULATED ARMoured CABLE)2C 50mm sq) , 2. PVC INSULATED ARMoured CABLE : 2C (16,25,35)mm sq., 4C (16,25,35)mm sq B) PVC INSULATED ARMoured CABLE : 2C (1.5,2.5,4,6,10) mm sq., 4C (1.5,2.5,4,6,10) mm sq
√	1.3.4	Leader	(Malaysia)	
√	1.3.5	Sigma	(Singapore)	
√	1.3.6	Singapore Cable SCM	(Singapore)	XLPE / SWA / PVC AND PVC / SWA / PVC CABLES & LOW VOLTAGE AERIAL BUNDLE CONDUCTOR
√	1.3.7	Universal	(Malaysia)	(A) XLPE POWER CABLE (Up to 11KV) / PILOT CABLE, FIRE RESISTANT CABLE, INSTRUMENT CABLE & CONTROL CABLE



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1.4 MEDIUM / LOW VOLTAGE

i) TERMINATION & 66KV CABLE SEALING END KITS (INDOOR /OUTDOOR)

ii) JOINTING KITS (LOW VOLTAGE- 11KV / 66KV)

(i) (ii) - PURPLE COLOUR (SAME DESCRIPTION)

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	1.4.1	3M	(U.S.A)	
✓	1.4.2	Cellpack	(Switzerland)	
✓	1.4.3	Kabeldon	(Sweden)	
✓	1.4.4	Pirelli	(U.K)	
✓	1.4.5	RAYCHEM		
✓	1.4.6	REPL	(India)	1. 11KV HEAT SHRINKABLE 3 CORE CABLE TERMINATION (INDOOR / OUTDOOR)
	1.4.7	REPL	(Malaysia)	1. HEAT SHRINKABLE CABLE TERMINATION & ACCESSORIES (OUTDOOR / INDOOR TERMINATION FOR VOLTAGE LEVEL 11KV - 33KV)
✓	1.4.8	Sigmafom	(U.K)	
✓	1.4.9	Sucofit	(Switzerland)	NON -TRACKING OUTDOOR TUBING / HEAT - SHRINKABLE 11KV
	1.4.10	Suedkabel GMBH	(Germany)	1. 66KV XLPE/LEAD SHEATHED CABLE 2. 66KV XLPE/ CABLE ACCESSORIES : i) OUTDOOR / GIS TERMINATION., ii) NORMAL / INSULATED JOINTS / CABLE ACCESSORIES : i) OUTDOOR / GIS TERMINATION., ii) NORMAL / INSULATED JOINTS



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1.5 EARTHING GRID SYSTEMS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	1.5.1	Cadweld	(U.K)	
✓	1.5.2	Furse	(U.K)	
✓	1.5.3	Heng	(Singapore)	
✓	1.5.4	Unitech	(Singapore)	COPPER EARTH ROD, CORROSION RESISTANCE, COPPER ALLOY COUPLING , SPECIAL AB CLAMP, BI-METAL CONNECTOR, PURE COPPER CONNECTOR, PURE ALUMINIUM CONNECTOR, HIGH STRENGTH CORROSION RESISTANCE COPPER ALLOY CLAMP.
✓	1.5.5	Wellflex (earth pit)	(U.K)	

1.6 BARE ALUMINUM CONDUCTORS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	1.6.1	Leader	(Malaysia)	
✓	1.6.2	LG Tek	(Korea)	

1.7 INSULATORS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
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✓	1.7.1	NGK	(Japan, China)	
✓	1.7.2	Dalian	(China)	

1.8 SURGE ARRESTOR (LOW VOLTAGE / HIGH VOLTAGE)

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
	1.8.1	Toshiba	(Japan)	SURGE ARRESTOR - RVLQC-75PLVY3
	1.8.2	ABB	(Sweden)	72.5kV



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2.1 MEDIUM VOLTAGE METALCLAD SWITCHGEARS (11KV TO 33KV)

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	2.1.1	Schneider Electric	(France /U.K)	GENIE EVO <u>11KV</u> METALCLAD SWITCHGEAR
	2.1.2	Schneider Electric	(Indonesia)	MC SET (INDONESIA) MODEL AD2
	2.1.3	Toshiba	malaysia	HV12

2.2 11KV SF6 RING MAIN UNIT SWITCHGEARS

(i) 630A Extensible Modular

(ii) 630A Non- Extensible

(i) (ii) - PURPLE COLOUR

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	2.2.1	Schneider Electric	(France /U.K)	11KV EXTENSIBLE RMU RINGMASTER RANGE (CE-BR7,CE6-BR7 & SE6-BS) 11KV NON-EXTENSIBLE RMU RINGMASTER RANGE BOTH 2R1T (RN2C) & 2R2T (RE2C + CE2)
√	2.2.2	Lucy	(U.K / Dubai)	11KV NON-EXTENSIBLE OUTDOOR RMU



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2.3 SUBSTATION EQUIPMENT - 72.5KV DEAD TANK AND LIVE TANK

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	2.3.1	Xian	(China)	72.5-500KV SF6 LIVE TANK CIRCUIT BREAKER WITH INTEGRALCURRENT TRANSFORMER, 72.5-550KV SF6 GAS INSULATED SWITCHGEAR GIS
	2.3.2	Siemens	USA	3AP1DT (DTCB), SPS2-72.5kv (DTCB)
	2.3.3	Areva (GE)	USA	DT1-72.5 F1 (DTCB)
	2.3.4	Magrini Galileo (Siemens)	Italy	SB6-123 (LTCB)
	2.3.5	Merlin Gerin (Siemens)	Italy	SB6-72 (LTCB)
	2.3.6	Areva (GE)	Germany	GL309 F3/4031/VR or F1/4031/VR (LTCB)



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2.4 11KV / 0.433KV / 33KV DISTRIBUTION TRANSFORMERS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	2.4.1	ABB	(Singapore)	11KV / 0.433KV/33KV
√	2.4.2	Ekarat	(Thailand)	DISTRIBUTION TRANSFORMER 300KVA TO 1500KVA
√	2.4.3	Tira Thai	(Thailand)	200KVA-2000KVA / TIRATHAI, DISTRIBUTION TRANSFORMER , 11KV/433-250V
√	2.4.4	pt. Unindo	indonesia	1000 kVA

2.5 POWER TRANSFORMERS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	2.5.1	Daihen	(Thailand)	POWER TRANSFORMER 66/11KV & SIMILAR RANGE FROM 3 TO 100MVA (36 TO 170KV)
√	2.5.2	Fuji	(Japan)	
√	2.5.3	Meidensha	(Japan)	
√	2.5.4	Tira Thai	(Thailand)	POWER TRANSFORMER



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2.6 LOW VOLTAGE FEEDER PILLARS

i) Mini Feeder Pillars 400A

ii) Distribution Feeder Pillars 600A,800A,1200A,1600A

(i) (ii) - PURPLE COLOUR (SAME DESCRIPTION)

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	2.6.1	PKS	(Brunei)	(i) & (ii)
√	2.6.2	Powertech	(Brunei)	(i)
	2.6.3	Spanners International	(Singapore)	SPANNER MINI FEEDER PILLARS 400A



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2.7 SUBSTATION EQUIPMENT

(i) BATTERY CELL (ii) CHARGERS

(i) (ii) - PURPLE COLOUR (SAME DESCRIPTION)

NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
2.7.1	Avatec	(Switzerland)	NIKSA BATTERY CHARGER/UPS, NICA NICKEL CADMIUM BATTERIES & LEADLINE ACID BATTERIES
2.7.2	Gutor	(Switzerland)	LEAD ACID BATTERY & NICAD BATTERY BATTERY CHARGER
2.7.3	Nimac	(Malaysia)	BATTERY CHARGER & NICKEL - CADMIUM BATTERIES
2.7.4	SAFT Power	(Singapore)	1. BATTERIES (NICKEL CADMIUM / LEAD ACID 2. ACCESSORIES / SPARE PART INDUSTRIAL CHARGES / RECTIFIERS & D.C SYSTEM
2.7.5	Chloride Batteries S.E.Asia Pte Limited	Singapore	CBC range
2.7.6	Chloride Lead Acid Batteries	South Africa	YCP
2.7.7	Gaz	Germany	KM Range



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3.0 COLUMNS AND POLES

3.1 STREET / COMPOUND LIGHTING COLUMNS, TRANSMISSION & DISTRIBUTION POLES

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	3.1.1	Lysaght-Lycorpole (Lysaght Galvanized Steel)	(Malaysia)	STREET LIGHTING POLES 6M,8M,12M,15M,20M
✓	3.1.2	Unik	(Malaysia)	UNIK STREET LIGHTING POLES & COLUMNS & POLES ACCESSORIES (NORMAL HEIGHT 8M, 10M & 12M FALNGE TYPES)
	3.1.3	Galvapole	(Malaysia)	OCTAGONAL LIGHTING COLUMN -1.5 SINGLE ARM COLUMN
	3.1.4	Ningbo	(China)	STREET LIGHTING POLES (6M, 8M,10M & 12M)

3.2 ELECTRICAL POLES

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	3.2.4	Guangdong	(China)	28 & 35 FEET TUBULAR STEEL POLES AND ACCESSORIES
✓	3.2.7	Lysaght Galvanized Steel	(Malaysia)	28FT & 35FT DISTRIBUTION POLE [APPROVAL GRANTED FOR TRANSMISSION POLES 6M-50M]
	3.2.11	Ningbo	(China)	28FT & 35 STEEL TURBULAR POLES [DISTRIBUTION POLES] // 66KV SLIM POLES - 1.INTERMEDIATE POLE (PLANTED TYPE), 2. >15-30 DEGREE ANGLE POLE [BOLTED TYPE], 3. >10-15 DEGREE ANGLE POLE [BOLTED TYPE], 4.. > 30-60 DEGREE ANGLE POLE [BOLTED TYPE], 5. >60-90 DEGREE ANGLE POLE [BOLTED TYPE]



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4.0 LIGHTING SYSTEM

4.1 OUTDOOR LIGHT FITTING AND ACCESSORIES

4.1.1 HIGH PRESSURE SODIUM LANTERN (i) LANTERN (ii) FLOODLIGHT

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	4.1.1	Fael (S.P.A)	(Italy)	STREET LIGHTING LANTERN 1. FAEL LUCE - SMART VP (70W - 150W) 2. FAEL LUCE-ITINERA VP (150W-400W)
√	4.1.2	Gewiss	(Italy)	item (ii) only
√	4.1.3	Lithonia	(U.S.A)	HIGH PRESSURE SODIUM LANTERN
√	4.1.4	Philips	(Holland / Malaysia)	item (i) only for Malaysia SGP 338/250W AND 400W only
√	4.1.5	Schreder	(Belgium / Malaysia)	HIGH SODIUM LANTERN
	4.1.6	Nikkon	(Malaysia)	NIKKON STREET LANTERN (MODEL HPS 250W S408 & HPS 150W S438) MALAYSIA
	4.1.7	Nikkon	(Malaysia)	1. NIKKON S419 (B) 150W, 2. NIKKON S429 (B) 250W



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**4.1.2 HIGH INTENSITY DISCHARGE LAMPS
(METAL HALIDE, HIGH PRESSURE SODIUM, MERCURY LAMPS)**

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	4.1.2.1	GE	(Europe/U.S.A)	HIGH PRESSURE SODIUM
√	4.1.2.2	Nikkon	(Japan)	
√	4.1.2.3	Osram	(Europe/China)	HIGH INTENSITY DISCHARGE LAMPS
√	4.1.2.4	Philips	(Holland/China)	HIGH INTENSITY DISCHARGE LAMPS
	4.1.2.5	GE	(U.S.A)	MERCURY LAMPS



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4.1.3 i) IGNITORS FOR HIGH PRESSURE LAMPS
(ii) BALLASTS FOR HIGH PRESSURE LAMPS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	4.1.3.1	APF	(Italy)	IGNITORS BALLAST FOR HIGH PRESSURE LAMP
✓	4.1.3.2	Atco	(Australia)	IGNITORS BALLAST FOR HIGH PRESSURE LAMP
✓	4.1.3.3	Bagturgi	(Switzerland)	IGNITORS item (i) only
✓	4.1.3.4	Layrton	(Spain)	BALLAST FOR HIGH PRESSURE LAMP
✓	4.1.3.5	Luxram	(Malaysia)	item (ii) only
✓	4.1.3.6	Nikkon	(Malaysia)	IGNITORS BALLAST FOR HIGH PRESSURE LAMP
✓	4.1.3.7	Philips	(Holland/Netherland)	IGNITORS BALLAST FOR HIGH PRESSURE LAMP
✓	4.1.3.8	Solex	(Malaysia)	IGNITORS
✓	4.1.3.9	Teletronic	(Europe)	item (i) only
✓	4.1.3.10	Vossloh- Schwabe	(Germany)	IGNITORS BALLAST FOR HIGH PRESSURE LAMP



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4.1.4 PHOTOCELLS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	4.1.4.1	KAGA	(Japan)	
✓	4.1.4.2	Selcon	(Japan)	



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- 5.1 i) AIR - CIRCUIT BREAKERS
 ii) MOULDED CASE CIRCUIT BREAKERS
 iii) CONTACTORS
 iv) ISOLATORS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
√	5.1.1	F & G	(Germany)	
√	5.1.2	Fuji	(Japan)	MAGNETIC CONTACTOR AND STARTER
√	5.1.3	Hager	(France)	
√	5.1.4	Hitachi	(Japan)	
√	5.1.5	Hwa Shih item (ii) only	(Taiwan)	REGIS MODULATED CASE CIRCUIT BREAKER (Regis NF100-MA 100A, Regis NF250-MA 225A, Regis NF400-HA 250A, 300A, 400A, Regis NF600-HA 500A)
√	5.1.6	Legrand	(France)	
√	5.1.7	Lemag	(Singapore)	1). RESIDUAL CURRENT CIRCUIT BREAKERS (RCCBs), 2). RESIDUAL CURRENT CONTROL DEVICES, 3) RCCD/MCB COMBINATIONS, 4). MINIATURE CIRCUIT BREAKERS (MCBs), 5). WIRING ACCESSORIES, 6). SWITCHES, 7). TEST EQUIPMENT, 8). S.I. BUILDING MANAGEMENT SYSTEMS.



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√	5.1.8	LG	(Korea)	<p>1. THREE POLE AIR CIRCUIT BREAKER LBA-16S-3EC 1600A (65KA), LBA-32S 3150A (65KA), LBA-32S-3EC 3150A (85KA)</p> <p>1. MOLDED CASE CIRCUIT BREAKER (ABE 403b, ABS 403b, ABH 403b, ABL 403b, ABE 803b, ABS 803b, ABL 803b,</p> <p>2. THREE POLE AIR CIRCUIT BREAKER LBA-16S-3EC 1600A (65KA), LBA-32S 3150A (65KA), LBA-32S-3EC 3150A (85KA),</p> <p>3. THREE-POLE VACUUM CIRCUIT BREAKER SET IN METAL-ENCLOSURE</p> <p>1. THREE POLE VACUUM CIRCUIT BREAKER SET IN METAL-ENCLOSURE</p> <p>1. MAGNETIC CONTACTOR (GMC 100 & 125, GMC 150, GMS 150, GMC 150R, GMC 180, GMC 220, GMC 300, GMC 400, GMC 600, GMC 800)</p>
√	5.1.9	MEM	(U.K)	
√	5.1.10	Merlin Gerin	(France)	
√	5.1.11	Mitsubishi	(Japan)	
√	5.1.12	Moeller	(Germany / Austria)	
√	5.1.13	PDL	(Australia)	
√	5.1.14	Schrack	(Austria)	
√	5.1.15	Schupa	(Germany)	
√	5.1.16	Siemens	(Germany)	
√	5.1.17	Square D	(U.K)	
√	5.1.18	Telemecanique	(France)	
√	5.1.19	Terasaki	(Japan)	



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5.2 CUT-OUT FUSE AND SEALING CHAMBERS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	5.2.1	BICC	(U.K)	
✓	5.2.2	W.Lucy	(U.K)	11KV VOLTS SF6 OUTDOOR RING MAIN UNIT, LV MINI FEEDER PILLAR (UP TO 400A)
✓	5.2.3	WT-Henley	(U.K)	

5.3 HRC FUSE LINKS

	NO	MANUFACTURER	COUNTRY OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	5.3.1	Bussman	(U.K)	
✓	5.3.2	Hawker	(U.K)	
✓	5.3.3	Lawson	(U.K)	



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6.1 DIESEL ENGINES

	NO	MANUFACTURER	COUNTRT OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	6.1.1	Cummins	(U.K /U.S.A)	
✓	6.1.2	Volvo	(Sweden)	

6.2 ALTERNATORS

	NO	MANUFACTURER	COUNTRT OF ORIGIN	PRODUCT CATEGORY & RANGE
✓	6.2.1	Leroy Somer	(France/U.K)	
✓	6.2.2	Mecc-alte	(Italy)	



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7.0 METER

7.1 ENERGY METER

	NO	MANUFACTURER	COUNTRT OF ORIGIN	PRODUCT CATEGORY & RANGE
√	7.1.1	Fuji	(Japan)	ELECTRO MECHANICAL KWH 10-60A & 20-80A
√	7.1.2	Landis & Gyr	(Switzerland/England/India)	ELECTRO MECHANICAL KWH 10-60A & 20-80A
√	7.1.3	Osaki	(Japan)	ELECTRO MECHANICAL KWH METER 20-80A
√	7.1.4	PRI CT Meter	(U.K)	
	7.1.5	Actaris ACE6000	(France)	ELECTRONIC KWH METER
√	7.1.6	Osaki	(Indonesia)	METER 0B91 SERIES-1 PHASE OQ93 SERIES-3 PHASE PRODUCT
	7.1.7	Conlog	(South Africa)	1. SINGLE PHASE BEC 23 PLT, 2. THREE PHASE BEC 33



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7.2 PREPAYMENT METER

NO	MANUFACTURER	COUNTRT OF ORIGIN	PRODUCT CATEGORY & RANGE
7.2.1	Actaris	(South Africa)	[10-80A & 20-100A] / 1) ACTARIS MODEL ACE9000 ITP-3 PHASE 2.) TALEXUS ACTARIS MODEL NO ED2B- 1 PHASE
7.2.2	Conlog	(South Africa)	[10-80A & 20-100A] / 1.) PHASE BEC23PLT PREPAYMENT ELECTRICITY METER/ 2.) 3 PHASE BEC33MCU PREPAYMENT ELECTRICITY METER
7.2.3	Landis + Gyr	(South Africa)	1. 10-GM046 (1 PHASE) & 10-3P012 (3 PHASE) - SINGLE UNIT 2. 10-EM08 (1 PHASE) & 10 3P012 (3 PHASE) - SPLIT UNIT 3. 10-PL004(1 PHASE) & 10-3P206 (3 PHASE) PLC SPLIT
7.2.4	Shenzhen Star	(China)	STS PREPAYMENT METER - 1 PHASE (DDSY235) & 3 PHASE (DTSY235)
7.2.5	Conlog	(South Africa)	1. CONLOG STS PREPAYMENT METER (BEC 62 (100A) -3ph) 2. CONLOG STS PREPAYMENT METER (BEC33Hc(250A) -3ph BASE ON CASE BY CASE BASIS)



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8.0 DIESEL ENGINE (POWER STATION)

8.1 DIESEL ENGINE PARTS (MB DESIGN)

	NO	MANUFACTURER	COUNTRT OF ORIGIN	PRODUCT CATEGORY & RANGE
	8.1.1	Mirrlees Blackstone (MAN Diesel)	(U.K)	ASSEMBLER

8.2 DIESEL ENGINE PART REPAIR (MB DESIGN)

	NO	MANUFACTURER	COUNTRT OF ORIGIN	PRODUCT CATEGORY & RANGE
	8.2.1	Mirrlees Blackstone (MAN Diesel)	(U.K)	ASSEMBLER
	8.2.2	Asiapac PTE LTD	(Singapore)	OVERHAUL, REPAIR, RECONDITIONING, MODIFICATION OR SERVICING & TESTING OF DIESEL ENGINE, COMPONENTS

8.3 DIESEL ENGINE FIELD SERVICES (MB DESIGN)

	NO	MANUFACTURER	COUNTRT OF ORIGIN	PRODUCT CATEGORY & RANGE
	8.3.1	Mirrlees Blackstone (MAN Diesel)	(U.K)	ASSEMBLER
	8.3.2	Asiapac PTE LTD	(Singapore)	FIELD SERVICES