

UNIVERSITI BRUNEI DARUSSALAM
NEGARA BRUNEI DARUSSALAM

**UBD/Q/151/2026 - [G]
TERM CONTRACT OF MINOR ELECTRICAL CORRECTIVE MAINTENANCE WORKS FOR A PERIOD OF ONE (1)
YEAR FOR UNIVERSITI BRUNEI DARUSSALAM**

Item	Description	Unit	Rate
	<u>SCHEDULE OF WORKS</u> Supply all labour, equipment, materials and tools including transportation to do the following repairworks to its good working conditions and to current good practice and make good to all works distributed to match the existing or to S.O' s satisfaction as specified below or technically approved equivalent. All debris are to be taken to Contractors own dumping site / old fitting to be kept on site as per S.O instructions. The scope of work is the electrical maintenance and repair inclusive of troubleshooting, supply or replacement, installation, testing and commissioning of the electrical services. The scope of work shall include all necessary works and accessories required for a proper execution of work and proper functioning of all electrical services installation. All electrical works shall comply with the Brunei <u>Electrical Installation Requirements standards (EIR) or latest IEE wiring regulations. All materials / fittings offered as per DES/ DME / ABCi approved type only.</u>		
I	<u>PRELIMINARIES</u>		
II	<u>ELECTRICAL WORKS</u>		
A	<u>SWITCHES & ACCESSORIES (APPROVED TYPE ONLY)</u> To supply, replace, install c/w connection and termination.		
A-1	1 gang 1 way 5A switch	NO	\$ 5.00
A-2	2 gang 1 way 5A switch	NO	\$ 10.00
A-3	3 gang 1 way 5A switch	NO	\$ 18.00
A-4	4 gang 1 way 5A switch	NO	\$ 20.00
A-5	5 gang 1 way 5A switch	NO	\$ 25.00
A-6	1 gang 2 way 5A switch	NO	\$ 8.00
A-7	2 gang 2 way 5A switch	NO	\$ 12.00
A-8	Surface 3" x 3" blank cover plate	NO	\$ 2.00
A-9	Surface 3" x 6" blank cover plate	NO	\$ 3.00
A-10	Surface 3" x 3 " mounting box	NO	\$ 2.00
A-11	Surface 3" x 6" mounting box	NO	\$ 3.00
A-12	1 gang 1 way weatherproof switch	NO	\$ 100.00
A-13	2 gang 1 way weatherproof switch	NO	\$ 150.00
A-14	Ceiling fan regulator	NO	\$ 45.00
A-15	5A Ceiling Rose	NO	\$ 6.00
A-16	Fan Hook	No	\$ 20.00
A-17	Heavy duty Junction box c/w silicon/ gasket	No	\$ 45.00

Item	Description	Unit	Rate
B	<u>SWITCH SOCKET OUTLET</u> <u>(APPROVED TYPE ONLY)</u> To supply, replace faulty part and install c/w connection and termination.		
B-1	1x13A switch socket outlet	NO	\$ 14.00
B-2	1x13A metalclad switch socket outlet	NO	\$ 25.00
B-3	2x13A switch socket outlet	NO	\$ 25.00
B-4	2x13A metalclad switch socket outlet	NO	\$ 40.00
B-5	1x15A switch socket outlet	NO	\$ 20.00
B-6	1x15A metalclad switch socket outlet	NO	\$ 40.00
B-7	20A double pole switch	NO	\$ 28.00
B-8	20A metalclad switch socket outlet	NO	\$ 45.00
B-9	20A water heater switch	NO	\$ 25.00
B-10	13A Fuse Connection Unit	NO	\$ 25.00
B-11	45A Cooker Control Unit	NO	\$ 100.00
B-12	20A SPN Isolator	NO	\$ 85.00
B-13	30A SPN Isolator	NO	\$ 150.00
B-14	20A TPN Isolator	NO	\$ 150.00
B-15	32A / 35A TPN Isolator	NO	\$ 200.00
B-16	55A TPN Isolator	NO	\$ 300.00
B-17	16A SP 24 HRS spring reserve timer	NO	\$ 180.00
B-18	6A - 10A Photocell	NO	\$ 120.00
B-19	13A 3 Pin Plug Top	NO	\$ 20.00
B-20	15A 3 Pin Plug Top	NO	\$ 25.00

Item	Description	Unit	Rate
C	<u>GENERAL LIGHTING POINT & POWER POINT</u>		
C-1	Wiring lighting point using 3x1.5mm2 pvc cable in conduit/casing c/w 5A switch.	NO	\$ 45.00
C-2	Wiring fan point using 3x1.5mm2 pvc cable in conduit/casing c/w 5A switch, fan hook when necessary.	NO	\$ 45.00
C-3	Wiring emergency point using 3x1.5mm2 pvc cable in conduit/casing.	NO	\$ 45.00
C-4	Wiring keluar sign point using 3x1.5mm2 pvc cable in conduit/casing.	NO	\$ 45.00
C-5	Wiring exhaust fan/wall fan point using 3x1.5mm2 pvc cable in conduit/casing c/w 5A switch	NO	\$ 45.00
C-6	Wiring heavy duty wall fan & exhaust fan using 3x2.5mm2 pvc cable in pvc conduit/casing c/w 20A switch	NO	\$ 100.00
C-7	Wiring indoor outdoor floodlight point using 3x2.5mm2 pvc cable in conduit/casing.	NO	\$ 100.00
C-8	Wiring high bay point using 3x2.5mm2 pvc cable in conduit/casing.	NO	\$ 100.00
C-9	Wiring lighting point with timer point using 3x1.5mm2 pvc cable in conduit/casing.	NO	\$ 140.00
C-10	Wiring lighting point with photocell using 3x1.5mm2 pvc cable in conduit/casing.	NO	\$ 140.00
C-11	Wiring power point using 3x2.5mm2 pvc cable in pvc conduit/casing c/w 1x13A S.S.O.	NO	\$ 70.00
C-12	2X13A S.S.O ditto	NO	\$ 80.00
C-13	Wiring a/c point using 3x4mm2 pvc cable in pvc conduit/casing c/w 20A DP Switch.	NO	\$ 200.00
C-14	Wiring cooker point using 3x6mm2 pvc cable in pvc conduit/casing c/w cooker unit.	NO	\$ 300.00
C-15	Wiring 20A SPN isolator point using 3x4mm2 pvc cable in pvc conduit/casing c/w 20A SPN isolator.	NO	\$ 300.00
C-16	Wiring 32A/35A TPN isolator point using 5x4mm2 pvc cable in conduit/casing c/w 30A/35A TPN isolator	NO	\$ 450.00

Item	Description	Unit	Rate
C-17	Wiring 32A SPN isolator point using 3x6mm2 pvc cable in conduit/casing c/w 32A SPN isolator.	NO	\$ 400.00
C-18	Wiring power point using 3x2.5mm2 pvc cable in conduit/casing c/w 1x13A S.S.O weatherproof.	NO	\$ 200.00
C-19	2x13A S.S.O weatherproof ditto	NO	\$ 230.00
C-20	Wiring lighting point using 3x1.5mm2 pvc cable in conduit/casing c/w 5A weatherproof switch	NO	\$ 120.00
C-21	2G 1W weatherproof ditto.	NO	\$ 160.00
C-22	Wiring water heater point using 3x4mm2 pvc cable in conduit/casing c/w water heater switch and 13A fuse connection unit	NO	\$ 230.00
C-23	Wiring water pump point using 3x2.5mm2 pvc cable in conduit/casing c/w 20 Dp Switch.	NO	\$ 200.00
C-24	Wiring water pump point using 3x2.5mm2 pvc cable in conduit/casing c/w 20A SPN weatherproof isolator	NO	\$ 250.00
C-25	Wiring 3 phase water pump using 5x6mm2 pvc cable in conduit/casing c/w 35A TPN weatherproof isolator	NO	\$ 600.00
C-26	Wiring telephone point c/w 2 pair cat-5 cable in pvc conduit/casing c/w telephone outlet.	NO	\$ 120.00
C-27	4 pair Ditto	NO	\$ 170.00
C-28	6 pair Ditto	NO	\$ 200.00
C-29	Wiring TV point c/w RG59 TV cable in PVC conduit/casing c/w TV outlet.	NO	\$ 200.00

Item	Description	Unit	Rate
D	<u>TO REPLACE FAULTY PART ACCESSORIES OF LIGHT FITTING / FAN / OTHERS</u>		
D-1	Clear ordinary 240V inside frosted or incandescent lamp with E27 or B22 base and candle lamp.		
i)	15W	NO	\$ 6.00
ii)	25W	NO	\$ 6.00
iii)	40W	NO	\$ 6.00
iv)	60W	NO	\$ 6.00
v)	75W	NO	\$ 8.00
vi)	100W	NO	\$ 8.00
D-2	Clear ordinary 240V inside frosted or incandescent lamp with E14 base candle lamp		
i)	15W	NO	\$ 10.00
ii)	25W	NO	\$ 10.00
iii)	40W	NO	\$ 10.00
D-3	12V 50W halogen bulb with 2 pin cable	NO	\$ 12.00
D-4	5W colour bulbs 240V 50Hz, with E27 or B22 base.	NO	\$ 3.00
D-5	15W Ditto	NO	\$ 4.00
D-6	LED light bulb c/w necessary accessories and modification if require		
i)	1W LED bulb with E27 or B22 base	NO	\$ 5.00
ii)	3W-4W LED bulb with E27 or B22 base	NO	\$ 6.00
iii)	8W LED bulb with E27 or B22 base	NO	\$ 7.00
iv)	8W 240V 2pin LED bulb	NO	\$ 5.00
v)	9W LED bulb	NO	\$ 9.00
vi)	12W-18W LED bulb c/w 30000 hrs lifespan		
	1. 590mm	NO	\$ 15.00
	2. 1200mm	NO	\$ 22.00
vii)	25W LED bulb	NO	\$ 24.00
D-7	25W reflector lamp 240V R50 type with E14 base.	NO	\$ 11.00
D-8	40W Ditto	NO	\$ 12.00
D-9	40W Ditto R63 type with E27 or B22 base.	NO	\$ 10.00
D-10	60W Ditto.	NO	\$ 10.00
D-11	75W Ditto.	NO	\$ 11.00
D-12	100W Ditto.	NO	\$ 12.50
D-13	60W PAR 38 spot and pressed glass reflector lamp 240V 50Hz with E27 base.	NO	\$ 27.00
D-14	80W Ditto.	NO	\$ 60.00
D-15	120W Ditto.	NO	\$ 70.00
D-16	70W tungsten double end type halogen lamp 240V.	NO	\$ 32.00
D-17	100W Ditto.	NO	\$ 35.00
D-18	150W Ditto.	NO	\$ 45.00
D-19	300W Ditto.	NO	\$ 55.00

Item	Description	Unit	Rate
D-20	9W 2 Pin PLC daylight/ warm white compact lamp	NO	\$ 15.00
D-21	11W Ditto.	NO	\$ 15.00
D-22	13W Ditto	NO	\$ 16.00
D-23	18W Ditto.	NO	\$ 20.00
D-24	26W Ditto.	NO	\$ 30.00
D-25	13W PLC daylight/warm white compact lamp with 4 pin base	NO	\$ 15.00
D-26	18W Ditto.	NO	\$ 20.00
D-27	26W Ditto.	NO	\$ 30.00
D-28	18W fluorescent tube 240v 50Hz.	NO	\$ 9.00
D-29	36W Ditto.	NO	\$ 9.00
D-30	65w Ditto.	NO	\$ 10.00
D-31	8w LED fluorescent tube 240v 50Hz	NO	\$ 23.00
D-32	13-16W LED fluorescent tube 240v 50Hz	NO	\$ 23.00
D-33	18-65W fluorescent S10 starter.	NO	\$ 3.50
D-34	18-65W fluorescent ballast 240v 50Hz.	NO	\$ 15.00
D-35	T5 9 - 13W fluorescent tube	NO	\$ 20.00
D-36	T5 9 - 13W fluorescent ballast	NO	\$ 35.00
D-37	Electronic Transformer for halogen lamp input: 240v 50Hz/60Hz output: 12V 20-50w	NO	\$ 50.00
D-38	11W PLC 240v 50Hz ballast.	NO	\$ 10.00
D-39	13W Ditto	NO	\$ 12.00
D-40	18W Ditto.	NO	\$ 15.00
D-41	26W Ditto.	NO	\$ 20.00
D-42	Fluorescent lamp holder for compact, lamp 240v, 50Hz.	NO	\$ 10.00
D-43	Fluorescent starter holder for compact, lamp 240v 50Hz	NO	\$ 10.00
D-44	E27 lamp holder base	NO	\$ 10.00
D-45	E40 lamp holder base	NO	\$ 20.00
D-46	B22 lamp holder base	NO	\$ 10.00
D-47	2 pin PLC holder	NO	\$ 10.00
D-48	4 pin PLC holder	NO	\$ 12.00
D-49	2 Pin 50w halogen holder	NO	\$ 10.00
D-50	9W E27/B22 energy-effective prismatic SL lamp 240v 50Hz	NO	\$ 30.00
D-51	13W Ditto.	NO	\$ 40.00
D-52	18W Ditto.	NO	\$ 45.00
D-53	26W Ditto.	NO	\$ 50.00
D-54	9W E27/B22 energy saver bulb cool daylight/warm white lamp 240v 50Hz	NO	\$ 20.00
D-55	11W Ditto.	NO	\$ 20.00
D-56	13W Ditto.	NO	\$ 20.00
D-57	18W Ditto.	NO	\$ 30.00
D-58	23W Ditto.	NO	\$ 35.00
D-59	35W Ditto.	NO	\$ 50.00
D-60	55W Ditto.	NO	\$ 60.00

Item	Description	Unit	Rate
D-61	16W 2D lamp with 2 pin cap and built in starter switch.	NO	\$ 30.00
D-62	28W 2D with 4 pin cap.	NO	\$ 35.00
D-63	Ballast for 16W 2D lamp.	NO	\$ 18.00
D-64	Ballast for 28W 2D lamp.	NO	\$ 23.00
D-65	Capacitor for 16W/28W 2D lamp.	NO	\$ 18.00
D-66	Starter for 16/28W 2D lamp.	NO	\$ 8.00
D-67	Lamp holder for 16/28W 2D lamp.	NO	\$ 15.00
D-68	22W circular fluorescent tube.	NO	\$ 18.00
D-69	32W circular fluorescent tube.	NO	\$ 25.00
D-70	40W circular fluorescent tube.	NO	\$ 25.00
D-71	Circular fluorescent tube holder	NO	\$ 12.00
D-72	70W high pressure SON/T lamp 240V 50Hz.	NO	\$ 48.00
D-73	150W SON/T Ditto.	NO	\$ 55.00
D-74	250W SON/T Ditto.	NO	\$ 70.00
D-75	400W SON/T Ditto.	NO	\$ 85.00
D-76	70W metal halide lamp 240v, 50Hz.	NO	\$ 45.00
D-77	150W MH lamp Ditto.	NO	\$ 60.00
D-78	250W MH lamp Ditto.	NO	\$ 70.00
D-79	400W MH lamp Ditto.	NO	\$ 80.00
D-79i	1000W MH lamp Ditto.	NO	\$ 250.00
D-80	150W high mercury lamp 240v 50Hz.	NO	\$ 60.00
D-81	250W Ditto.	NO	\$ 80.00
D-82	400W Ditto.	NO	\$ 100.00
D-83	70W / 400W ignitor for high pressure lamp and MH lamp	NO	\$ 28.00
D-83i	1000W ignitor for high pressure and MH lamp	NO	\$ 85.00
D-84	70W ballast for high pressure lamp.	NO	\$ 50.00
D-85	150W Ditto.	NO	\$ 60.00
D-86	250W Ditto.	NO	\$ 90.00
D-87	400W Ditto.	NO	\$ 100.00
D-88	70W ballast for metal halide lamp	NO	\$ 50.00
D-89	150W Ditto.	NO	\$ 60.00
D-90	250W Ditto.	NO	\$ 90.00
D-91	400W Ditto.	NO	\$ 100.00
D-91i	1000W Ditto.	NO	\$ 250.00
D-92	15UF Capacitor for 70W floodlight	NO	\$ 38.00
D-93	20UF Capacitor for 150W floodlight	NO	\$ 45.00
D-94	25UF Capacitor for 250W floodlight	NO	\$ 48.00
D-95	32UF Capcitor for 400W floodlight	NO	\$ 50.00
D-95i	50-100UF Capacitor for 1000W floodlight	NO	\$ 100.00

Item	Description	Unit	Rate
D-96	1 tube electronic ballast	NO	\$ 35.00
D-97	2 tube electronic ballast	NO	\$ 50.00
D-98	3 tube electronic ballast	NO	\$ 70.00
D-99	4 tube electronic ballast	NO	\$ 100.00
D-100	1.8UF - 3UF fan capacitor	NO	\$ 10.00
D-101	Linear LED Light 800-1200mm c/w accessories & driver		
	i) 20W	NO	\$ 28.00
	ii) 30W	NO	\$ 32.00
	iii) 40W	NO	\$ 35.00
D-102	LED Strip Light Cover/Profile either surface mounted, recessed, ground & corner type c/w accessories	MTR	\$ 3.00
E	<u>SUPPLY AND INSTALLATION, CHECKING OF XLPE/SWA/PVC CABLE LAID UNDERGROUND and MAKING GOOD.</u>		
E-1	2C/1.5mm2 PVC/SWA/PVC cable	MTR	\$ 10.00
E-2	2C/2.5mm2 PVC/SWA/PVC cable	MTR	\$ 15.00
E-3	2C/4mm2 PVC/SWA/PVC cable	MTR	\$ 18.00
E-4	2C/6mm2 PVC/SWA/PVC cable	MTR	\$ 20.00
E-5	2C/10mm2 PVC/SWA/PVC cable	MTR	\$ 22.00
E-6	2C/16mm2 PVC/SWA/PVC cable	MTR	\$ 25.00
E-7	2C/25mm2 PVC/SWA/PVC cable	MTR	\$ 30.00
E-8	2C/35mm2 PVC/SWA/PVC cable	MTR	\$ 33.00
E-9	4C/2.5mm2 PVC/SWA/PVC cable	MTR	\$ 10.00
E-10	4C/4mm2 Ditto	MTR	\$ 15.00
E-11	4C/6mm2 Ditto	MTR	\$ 19.00
E-12	4C/10mm2 Ditto	MTR	\$ 27.00
E-13	4C/16mm2 Ditto	MTR	\$ 36.00
E-14	4C/25mm2 Ditto	MTR	\$ 48.00
E-15	4C/35mm2 Ditto	MTR	\$ 60.00
E-16	4C/50mm2 Ditto	MTR	\$ 80.00
E-17	4C/70mm2 Ditto	MTR	\$ 90.00
E-18	4C/95mm2 Ditto	MTR	\$ 120.00
E-19	4C/120mm2 Ditto	MTR	\$ 145.00
E-20	4C/150mm2 Ditto	MTR	\$ 170.00
E-21	4C/185mm2 Ditto	MTR	\$ 220.00
E-22	4C/240mm2 Ditto	MTR	\$ 295.00
E-23	1C/300mm2 XLPE/SWA/PVC	MTR	\$ 115.00
E-24	1C/400mm2 XLPE/SWA/PVC	MTR	\$ 160.00
E-25	1C/500mm2 XLPE/SWA/PVC	MTR	\$ 200.00
E-26	1C/300mm2 XLPE/AWA/PVC	MTR	\$ 130.00
E-27	1C/400mm2 XLPE/AWA/PVC	MTR	\$ 180.00
E-28	1C/500mm2 XLPE/AWA/PVC	MTR	\$ 220.00
E-29	To supply and install LT Straight Through Joint for PVC or XLPE armoured cable for the following sizes:-		
a	Up to 25mm2/2C	NO	\$ 150.00
b	Up to 25mm2/4C	NO	\$ 180.00
c	35 to 70mm2/4C	NO	\$ 250.00
d	95 to 150mm2/4C	NO	\$ 800.00
e	185 to 300mm2/4C	NO	\$ 1,000.00
f	300 to 500mm2/1C	NO	\$ 1,300.00
E-30	To hack and break existing pavement c/w encased mass concrete surround.	MTR	\$ 120.00
E-31	To cut and digging existing pavement.	MTR	\$ 100.00
E-32	Provide 50mm2 dia UPVC pipe sleeves.	MTR	\$ 40.00
E-33	100mm2 dia. Ditto	MTR	\$ 78.00
E-34	150mm2 dia. Ditto	MTR	\$ 90.00

Item	Description	Unit	Rate
E-35	Excavation of cable trench approx. 750mm wide x 750mm deep of soft ground c/w backfilling and making good.	MTR	\$ 15.00
E-36	Supply and installation of pvc cable in metal trunking (Metal trunking separate).		
a	2x1C/10mm2 + 10mm2 ECC cable.	MTR	\$ 10.00
b	2x1C/16mm2 + 10mm2 ECC cable.	MTR	\$ 16.00
c	2x1C/25mm2 + 16mm2 ECC cable.	MTR	\$ 24.00
d	2x1C/35mm2 + 25mm ECC cable.	MTR	\$ 30.00
e	2x1C/50mm2 + 35mm2 ECC cable.	MTR	\$ 40.00
f	4x1C/10mm2 + 10mm2 ECC cable.	MTR	\$ 30.00
g	4x1C/16mm2 + 10mm2 ECC cable.	MTR	\$ 40.00
h	4x1C/25mm2 + 16mm2 ECC cable.	MTR	\$ 52.00
i	4x1C/35mm2 + 25mm2 ECC cable.	MTR	\$ 64.00
j	4x1C/50mm2 + 35mm2 ECC cable.	MTR	\$ 85.00
k	4x1C/70mm2 + 50mm2 ECC cable.	MTR	\$ 95.00
l	4x1C/95mm2 + 70mm2 ECC cable.	MTR	\$ 130.00
m	4x1C/120mm2 + 95mm2 ECC cable.	MTR	\$ 150.00
E-37	Supply and installation of pvc insulated (GREEN) Earth Wire		
a	1 x16mm2	MTR	\$ 10.00
b	1x25mm2	MTR	\$ 15.00
c	1x35mm2	MTR	\$ 20.00
d	1x50mm2	MTR	\$ 25.00
e	1x70mm2	MTR	\$ 35.00
f	1x95mm2	MTR	\$ 45.00
g	1x120mm2	MTR	\$ 60.00
E-38	Supply and installation of metal trunking/pvc trunking c/w bracket support.		
a	50mm x 25mm	MTR	\$ 25.00
b	50mm x 50mm	MTR	\$ 26.00
c	75mm x 50mm	MTR	\$ 26.00
d	100mm x 50mm	MTR	\$ 35.00
e	100mm x 75mm	MTR	\$ 40.00
f	100mm x 100mm	MTR	\$ 48.00
g	75mm x 150mm	MTR	\$ 60.00

Item	Description	Unit	Rate
E-39	Supply and installation of cable tray c/w tray earth link and other accessories c/w bracket support.		
a	50mm	MTR	\$ 10.00
b	75mm	MTR	\$ 18.00
c	100mm	MTR	\$ 25.00
d	150mm	MTR	\$ 33.00
e	200mm	MTR	\$ 40.00
f	250mm	MTR	\$ 52.00
E-40	Disconnect and dismantle and remove existing, underground cable trunking, cable tray.	MTR	\$ 15.00
E-41	To check, rectify, mega faulty part of cable per length.	LOT	\$ 450.00
E-42	Supply and install main 'Earth' electrode 16 mm dia x 3.6 m copper clad steel core rod c/w brass copper clamp, identification tag with the word 'ELECTRICAL EARTH - DO NOT REMOVE' and hot dip galvanised inspection pit fitted with hinged cover.	LOT	\$ 400.00
F	<u>DISTRIBUTION BOARD COMPONENTS AND OTHER ACCESSORIES</u>		
F-1	6A - 32A MCB's	NO	\$ 15.00
F-2	40A 2P RCD/30MA	NO	\$ 120.00
F-3	63A 2P RCD/30MA	NO	\$ 150.00
F-4	100A 2P RCD/30MA	NO	\$ 250.00
F-5	40A 4P RCD/30MA	NO	\$ 180.00
F-6	63A 4P RCD/30MA	NO	\$ 250.00
F-7	100A 4P RCD/30MA	NO	\$ 250.00
F-8	Earth leakage relay c/w shuntrip	NO	\$ 900.00
F-9	Earth fault relay c/w shuntrip	NO	\$ 1,200.00
F-10	Over current relay	NO	\$ 1,800.00
F-11	Ammeter	NO	\$ 100.00
F-12	Voltmeter	NO	\$ 100.00
F-13	Ammeter selector switch 6 position rotary switch	NO	\$ 150.00
F-14	Voltmeter selector switch 6 position rotary switch	NO	\$ 150.00
F-15	10A 2 pole MCB (10KA)	NO	\$ 80.00
F-16	20A 2 pole MCB (10KA)	NO	\$ 90.00
F-17	30A 2 pole MCB (10KA)	NO	\$ 100.00
F-18	40A 2 pole MCB (10KA)	NO	\$ 120.00
F-19	80A 2 pole MCB (10KA)	NO	\$ 180.00
F-20	100A 2 pole MCB (10KA)	NO	\$ 200.00

Item	Description	Unit	Rate
F-21	40A TPN MCCB (10KA)	NO	\$ 180.00
F-22	80A TPN MCCB (10KA)	NO	\$ 300.00
F-23	100A TPN MCCB (25KA)	NO	\$ 500.00
F-24	150A TPN MCCB (25KA)	NO	\$ 800.00
F-25	200A TPN MCCB (25KA)	NO	\$ 850.00
F-26	250A TPN MCCB (25KA)	NO	\$ 950.00
F-27	300A TPN MCCB (36KA)	NO	\$ 1,350.00
F-28	400A TPN MCCB (50KA)	NO	\$ 1,500.00
F-29	500A TPN MCCB (50KA)	NO	\$ 2,000.00
F-30	600A TPN MCCB (50KA)	NO	\$ 3,500.00
F-31	800A TPN MCCB (50KA)	NO	\$ 4,500.00
F-32	1000A ACB (50KA)	NO	\$ 9,500.00
F-33	2000A ACB (50KA)	NO	\$ 18,000.00
F-34	2500A ACB (50KA)	NO	\$ 25,000.00
F-35	Metal enclosure for all type MCCB c/w neutral link	NO	\$ 600.00
F-36	60A Neutral Link with insulated base	NO	\$ 20.00
F-37	100A Neutral Link with insulated base	NO	\$ 30.00
F-38	63A Cut Out fuse with base	NO	\$ 100.00
F-39	100A Cut Out fuse with base	NO	\$ 120.00
F-40	63A TPN sealing chamber cut-out fuse	NO	\$ 300.00
F-41	100A TPN sealing chamber cut-out fuse	NO	\$ 350.00
F-42	Cable lug 4mm2 - 16mm2	NO	\$ 15.00
F-43	Cable lug - 16mm2 - 35mm2	NO	\$ 25.00
F-44	Cable lug - 50mm2 - 120mm2	NO	\$ 40.00
F-45	Cable lug - 150mm2 - 240mm2	NO	\$ 60.00
F-46	20A 3 Pole Contactor	NO	\$ 95.00
F-47	40A 3 Pole Contactor	NO	\$ 120.00
F-48	63A 3 pole Contactor	NO	\$ 150.00
F-49	80A 3 pole Contactor	NO	\$ 200.00
F-50	100A 3 pole Contactor	NO	\$ 300.00
F-51	2A - 5A HRC Fuse Link	NO	\$ 20.00
F-52	60A HRC Fuse Link	NO	\$ 50.00
F-53	100A HRC Fuse Link	NO	\$ 80.00
F-54	100A copper busbar for 1 pole MCB	NO	\$ 38.00
F-55	40A TPN MCCB in metal enclosure Distribution board c/w 3xRCD/30MA 18 ways MCB.	NO	\$ 480.00
F-56	63A TPN MCCB 18 ways Ditto	NO	\$ 700.00
F-57	100A TPN MCCB 18 ways Ditto	NO	\$ 1,000.00

Item	Description	Unit	Rate
F-58	40A TPN MCCB in metal enclosure Distribution Board c/w 3xRCD/30MA 21 ways MCB's.	NO	\$ 550.00
F-59	63A TPN MCCB 21 ways Ditto	NO	\$ 800.00
F-60	100A TPN MCCB 21 ways Ditto	NO	\$ 1,300.00
F-61	40A TPN MCCB 24 ways Ditto	NO	\$ 680.00
F-62	63A TPN MCCB 24 ways Ditto	NO	\$ 1,000.00
F-63	63A TPN MCCB 36 ways Ditto	NO	\$ 1,500.00
F-64	100A TPN MCCB 24 ways Ditto	NO	\$ 1,800.00
F-65	100A TPN MCCB 36 ways Ditto	NO	\$ 2,000.00
F-66	150A TPN MCCB 24 ways Ditto	NO	\$ 3,000.00
F-67	150A TPN MCCB 36 ways Ditto	NO	\$ 3,200.00
F-68	40A SPN MCCB in metal enclosure Distribution Board c/w 1 no. RCD/30MA, 8 ways MCB's	NO	\$ 380.00
F-69	60A SPN MCB - 8 ways Ditto	NO	\$ 480.00
F-70	40A SPN MCB - 10 ways Ditto	NO	\$ 420.00
F-71	63A SPN MCB - 10 ways Ditto	NO	\$ 580.00
F-72	40A SPN MCB - 12 ways Ditto	NO	\$ 550.00
F-73	63A SPN MCB - 12 ways Ditto	NO	\$ 680.00
F-74	40A TPN MCCB in metal enclosure Distribution Board c/w 3xRCD/30MA 18 ways MCB, timer, photocell, contactor, 2A fuse.	NO	\$ 850.00
F-75	63A TPN MCCB - 18 WAYS Ditto	NO	\$ 1,500.00
F-76	63A TPN MCCB - 24 WAYS Ditto	NO	\$ 2,000.00
F-77	63A TPN MCCB - 36 WAYS Ditto	NO	\$ 2,200.00
F-78	40A TPN MCCB - 24 WAYS Ditto	NO	\$ 1,300.00
F-79	100A TPN MCCB - 24 WAYS Ditto	NO	\$ 3,300.00
F-80	100A TPN MCCB - 36 WAYS Ditto	NO	\$ 3,500.00
F-81	40A SPN MCCB - 10 WAYS Ditto	NO	\$ 680.00
F-82	63A SPN MCCB - 10 WAYS Ditto	NO	\$ 950.00
F-83	40A SPN MCCB - 12 WAYS Ditto	NO	\$ 1,000.00
F-84	63A SPN MCCB - 12 WAYS Ditto	NO	\$ 1,200.00
F-85	CT Meter 200A to 1200A liase with DES	NO	\$ 4,000.00
F-86	Single Phase Prepaid Meter liase with DES	NO	\$ 500.00
F-87	Three Phase Prepaid Meter liase with DES	NO	\$ 800.00
F-88	Digital Type Trip Unit for ACB incorporated multi functional time setting and multi functional curve setting for IDMTL Earth Fault Relay and IDMTL Overcurrent Relay, include program as per site condition, modification, connection of all control wirings, control cable for current transformers, control tray and shunt trip coil c/w necessary works and accessories required.		
a	For ACB less than 1600A	NO	\$ 14,000.00
b	For ACB more than 1800A	NO	\$ 20,000.00
F-89	Padlock and chain for main switch room / transformer room	NO	\$ 150.00
F-90	Standard Electrical Safety Signages	NO	\$ 150.00

Item	Description	Unit	Rate
G	<u>LIGHT FITTING, FANS & OTHERS (APPROVED TYPE ONLY)</u> Supply, delivery and install as follows:-		
G-1	1x18W fluorescent surface batten fitting c/w day light tube, 240v 50Hz ballast, capacitor, starter etc.	NO	\$ 30.00
G-2	1x36W Ditto	NO	\$ 35.00
G-3	1x65W Ditto	NO	\$ 100.00
G-4	1X8W LED fluorescent surface batten fitting c/w day light tube	NO	\$ 35.00
G-5	1x16W Ditto	NO	\$ 38.00
G-6	2x16W Ditto	NO	\$ 55.00
G-7	2x18W fluorescent surface batten fitting c/w daylight tube, 240v 50Hz, ballast, capacitor, starter etc.	NO	\$ 48.00
G-8	2x36W Ditto	NO	\$ 55.00
G-9	2x65W Ditto	NO	\$ 130.00
G-10	1x18W metal reflector surface fluorescent batten fitting c/w daylight tube, 240v 50Hz, ballast, capacitor, starter etc	NO	\$ 38.00
G-11	1x36W Ditto	NO	\$ 45.00
G-12	2x18W Ditto	NO	\$ 65.00
G-13	2x36W Ditto	NO	\$ 70.00
G-14	3x36W Ditto	NO	\$ 120.00
G-15	4X36w Ditto	NO	\$ 150.00
G-16	2x18W Surface mirror louver type fluorescent fitting c/w daylight tube, 240v 50Hz, ballast, capacitor, starter etc.	NO	\$ 80.00
G-17	3x18W Ditto	NO	\$ 140.00
G-18	4x18W Ditto	NO	\$ 180.00
G-19	2x36W Ditto	NO	\$ 135.00
G-20	3x36W Ditto	NO	\$ 160.00
G-21	4x36W Ditto	NO	\$ 180.00
G-22	2x18W recessed type fluorescent fitting c/w daylight tube, 240v 50Hz, ballast, capacitor, starter etc.	NO	\$ 90.00
G-23	3x18w Ditto	NO	\$ 140.00
G-24	4x18W Ditto	NO	\$ 188.00
G-25	2x36W Ditto	NO	\$ 135.00
G-26	3x36W Ditto	NO	\$ 160.00
G-27	4x36W Ditto	NO	\$ 180.00
G-28	1x18W Surface IP54 weatherproof fluorescent fitting c/w daylight tube, 240v 50Hz ballast, capacitor, starter etc.	NO	\$ 65.00
G-29	2x18W Ditto	NO	\$ 100.00
G-30	1x36W Ditto	NO	\$ 80.00
G-31	2x26W Ditto	NO	\$ 120.00
G-32	150W High bay fitting with polycarbonate reflector, 240v 50Hz mercury bulbs, control gear, ignitor, capacitor and chain.	NO	\$ 350.00
G-33	250W Ditto	NO	\$ 460.00
G-34	400W Ditto	NO	\$ 550.00

Item	Description	Unit	Rate
G-35	150W High bay fitting with polycarbonate reflector, 240v 50Hz metal halide lamp, control gear, ignitor, capacitor and chain.	NO	\$ 380.00
G-36	250W Ditto	NO	\$ 450.00
G-37	400W Ditto	NO	\$ 520.00
G-38	70W SON/T Floodlight fitting IP54 c/w 70W lamp, ignitor, ballast, capacitor 240v 50Hz etc.	NO	\$ 250.00
G-39	150W Ditto	NO	\$ 350.00
G-40	250W Ditto	NO	\$ 480.00
G-41	400W Ditto	NO	\$ 540.00
G-42	70W metal halide lamp Ditto	NO	\$ 250.00
G-43	150W Ditto	NO	\$ 380.00
G-44	250W Ditto	NO	\$ 490.00
G-45	400W Ditto	NO	\$ 550.00
G-46	32W Surface circular fluorescent fitting c/w 32W circular tube, 240V 50Hz ballast, capacitor, starter.	NO	\$ 85.00
G-47	1x40W Ditto.	NO	\$ 100.00
G-48	40W Ceiling mounted surface round type light fitting E27 c/w 60W GLS lamp.	NO	\$ 85.00
G-49	60W Ditto	NO	\$ 90.00
G-50	80W Ditto	NO	\$ 100.00
G-51	100W Ditto	NO	\$ 140.00
G-52	40W wall mounted surface type c/w GLS lamp E27.	NO	\$ 100.00
G-53	60W Ditto	NO	\$ 120.00
G-54	80W Ditto	NO	\$ 160.00
G-55	100W Ditto	NO	\$ 200.00
G-56	1x60W Ceiling mounted/wall mounted prismatic bulkhead fitting 240V 50Hz, ballast, lamp starter etc.	NO	\$ 65.00
G-57	1x80W Ditto	NO	\$ 75.00
G-58	1x100W Ditto	NO	\$ 85.00
G-59	1x120W Ditto	NO	\$ 90.00
G-60	PAR 38 type Spotlight fitting c/w 80W lamp 240v, 50Hz.	NO	\$ 80.00
G-61	PAR 38 - 120W Ditto.	NO	\$ 110.00
G-62	60W Obstruction light mounted on roof/high level IP54 cast aluminium alloy, aviation. Red/Yellow glass 240v 50Hz lamp with bayonet base.	NO	\$ 2,800.00
G-63	1x18W emergency light fitting c/w 2hr battery duration.	NO	\$ 120.00
G-64	2x8W emergency sign fitting c/w 2 hrs battery duration.	NO	\$ 130.00
G-67	1x13W PLC downlight fitting c/w 2 pin lamp.	NO	\$ 60.00
G-68	1x18W Ditto	NO	\$ 75.00
G-69	1x26W Ditto	NO	\$ 90.00
G-70	2x9W Ditto	NO	\$ 70.00

Item	Description	Unit	Rate
G-71	2x13W Ditto	NO	\$ 100.00
G-72	2x18W Ditto	NO	\$ 110.00
G-73	2x26W Ditto	NO	\$ 120.00
G-74	1X13W down light fitting c/w E27 energy saving lamp	NO	\$ 30.00
G-75	1X18W Ditto	NO	\$ 38.00
G-76	1x26W Ditto	NO	\$ 40.00
G-77	2x18W Ditto	NO	\$ 60.00
G-78	6W LED Down Light	NO	\$ 15.00
G-79	12W LED Down Light	NO	\$ 30.00
G-80	18W LED Down Light	NO	\$ 40.00
G-81	2x9W PLC Surface circular/wall fitting c/w lamp 240v 50Hz ballast etc.	NO	\$ 78.00
G-82	2x11W Ditto	NO	\$ 90.00
G-83	2x18W Ditto	NO	\$ 110.00
G-84	1x50W Halogen downlight c/w 12v transformer, 50W halogen lamp etc.	NO	\$ 100.00
G-85	10W LED Floodlight Die Cast Aluminium finished c/w control box	NO	\$ 40.00
G-86	20W Ditto	NO	\$ 80.00
G-87	40W Ditto	NO	\$ 150.00
G-88	60W Ditto	NO	\$ 220.00
G-89	90W Ditto	NO	\$ 350.00
G-90	180W Ditto	NO	\$ 650.00
G-91	220W Ditto	NO	\$ 800.00
G-92	1.5m (56/60 inch) dia ceiling fan c/w regulator including rod including rod modification as instructed by S.O.	NO	\$ 105.00
G-93	22" stand fan	NO	\$ 180.00
G-94	25 inch dia industrial wall fan.	NO	\$ 360.00
G-95	16 inch dia. Wall fan	NO	\$ 200.00
G-96	20 inch dia. Wall fan	NO	\$ 300.00
G-97	16 inch dia. Auto fan	NO	\$ 250.00
G-98	6 inch dia. Glass mounted exhaust fan c/w cutting glass	NO	\$ 90.00
G-99	8 inch dia. Glass mounted exhaust fan c/w cutting glass	NO	\$ 120.00
G-100	8 inch dia wall mounted exhaust fan.	NO	\$ 130.00
G-101	10 inch Ditto	NO	\$ 150.00
G-102	12 inch Ditto	NO	\$ 190.00
G-103	16 inch Ditto	NO	\$ 350.00

Item	Description	Unit	Rate
G-104	18 inch heavy duty exhaust fan c/w auto shutter	NO	\$ 650.00
G-105	20 inch Ditto	NO	\$ 750.00
G-106	6 inch dia. Electric school bell 240v 50Hz.	NO	\$ 250.00
G-107	Water heater 30 litres c/w connection with valve, tap, pipe etc.	NO	\$ 450.00
G-108	Water heater 15 litres c/w connection with valve, tap, pipe etc.	NO	\$ 330.00
G-109	Instant water heater 3K W, 240V c/w connection with valve, tap, pipe etc.	NO	\$ 350.00
G-110	Door bell with transformer 240V/4,8,12 volt.	NO	\$ 120.00
G-111	Door bell with 1.5v battery operation.	NO	\$ 110.00
G-112	150W SON/T Street lighting lantern c/w 150W lamp. IP54 240V 50Hz, Ignitor, ballast, capacitor etc.	NO	\$ 450.00
G-113	250W Ditto	NO	\$ 550.00
G-114	70W compound lighting globe, IP54 240V 50Hz, c/w lamp, ballast, ignitor 150W.	NO	\$ 480.00
G-115	150W Ditto	NO	\$ 600.00
G-116	<u>Ducted Exhaust Fan</u> Galvanized steel sheet Cabinet In-Line Fan for ducted type exhaust fan c/w necessary duct works to existing duct and connector	NO	\$ 1,500.00
G-117	Stainless steel bracket for UPVC pipe c/w rod, bolt and nut	MTR	\$ 45.00
G-118	<u>SOLAR FLOODLIGHT</u> Solar LED Floodlight fitting c/w accessories i) 100W ii) 200W	NO NO	\$ 120.00 \$ 180.00
G-119	LED Flexible Neon Strip Light c/w accessories, connector, cover/profile (surface mounted, recessed, ground & corner) & controller. (color as S.O approved)	MTR	\$ 15.00
G-120	10" 50W LED recessed downlight with CCT of 5000K-6000K with IP rating preferable IP61, non-dim, comes with its driver, 50k hour lifespan	NO	\$ 290.00

Item	Description	Unit	Rate
	<u>WATER PUMP SYSTEM</u>		
G-121	1HP Single phase water pump Hydraulic Electronic System Automatic Control c/w fittings, piping and necessary works required	NO	\$ 325.00
G-122	1 HP Single phase water pump c/w fittings, piping and necessary works required	NO	\$ 800.00
G-123	1.5 Hp Single phase water pump c/w fittings, piping and necessary works required	NO	\$ 1,000.00
G-124	3phase, 3kw to 4kw vertical multistage heavy duty water pumpset c/w fittings, piping and necessary works required	NO	\$ 5,000.00
G-125	Booster pumpset c/w fittings, piping and necessary works required	NO	\$ 3,380.00
G-126	Submersible auto pump aprox 1.5kW / 2 hp 220V/50Hz 1P 68 speed 2850 r/min c/w desludging and emptying well work and necessary works, pipe works and electrical connection.	NO	\$ 2,300.00
G-127	Aprox 5.0 kW / 3 ph / 400V/50Hz, 4 pole IP68, 30L/s at 9m head DITTO	NO	\$ 10,000.00
G-128	Pressure tank 100 Litres c/w piping and necessary work required	NO	\$ 850.00
G-129	300 Litres Ditto	NO	\$ 1,400.00
G-130	500 Litres Ditto	NO	\$ 2,200.00
G-131	20 - 25UF pump capacitor	NO	\$ 100.00
G-132	Pump PLC c/w programming & setting	NO	\$ 2,200.00
G-133	Pump pressure controller c/w necessary works	NO	\$ 800.00
G-134	Pump pressure switch c/w necessary works	NO	\$ 175.00
G-135	Float switch c/w hanger		\$ 195.00
G-136	Water level sensor c/w necessary works	NO	\$ 175.00
G-137	One way valve c/w necessary works required	NO	\$ 230.00
G-138	4 core/ 3mm2 Armoured Cable c/w accessories required	MTR	\$ 100.00
G-139	Cable tray c/w necessary works	MTR	\$ 50.00
G-140	Motor pump bearing	NO	\$ 180.00
G-141	Pump coupling set	SET	\$ 450.00
G-142	Rubber bush	SET	\$ 50.00
G-143	Soft Starter for 30KW pump motor	NO	\$ 1,800.00
G-144	Pressure gauge meter	NO	\$ 150.00
G-145	Waterpump housing zinc covers c/w accessories	NO	\$ 50.00
G-146	Pump water seal leak c/w seal back, bearing and necessary	NO	\$ 900.00
G-147	Water pump instrumentation c/w revolving light	NO	\$ 1,000.00
G-148	Water pump control panel c/w PLC, soft starter, ammeter voltmeter, selector switches, ELR, Indicating light, soft starter controller / time and pressure base controller	NO	\$ 3,000.00
G-149	40A TPN Floor Standing control panel IP54 c/w necessary accessories and works required for a proper installation.	NO	\$ 5,000.00

Item	Description	Unit	Rate
H	<u>TO DISMANTLE AND REMOVE OLD FITTING / RE-POSITION, RE-INSTALL BACK C/W CONNECTION AND TERMINATION AS PER INSTRUCTED BY S.O</u>		
H-1	Floodlight.	NO	\$ 80.00
H-2	Compound light/Street lighting lantern.	NO	\$ 130.00
H-3	High bay fitting.	NO	\$ 100.00
H-4	Ceiling fan	NO	\$ 15.00
H-5	All surface/recessed type fluorescent fitting.	NO	\$ 20.00
H-6	Recessed type downlight.	NO	\$ 15.00
H-7	Wall fan/Auto fan	NO	\$ 15.00
H-8	Exhaust fan/Industrial fan	NO	\$ 20.00
H-9	Electric school bell	NO	\$ 20.00
H-10	Water heater	NO	\$ 50.00
H-11	TV antenna.	NO	\$ 200.00
H-12	Compound/ Street lighting pole less than 8 mtr high	NO	\$ 250.00
H-13	HDG Street lighting pole more than 8 mtr high (include crane work)	NO	\$ 500.00

Item	Description	Unit	Rate
I	<u>TO CHECK, TEST, TROUBLESHOOTING ,RECTIFY PUMP CONTROL PANEL C/W RE-PROGRAM / RE- ADJUST AND MINOR PARTS REPLACEMENT OF PUMP SYSTEM TO FUNCTION AND AND IN NORMAL WORKING ORDER.</u>	LOT	\$ 1,000.00
J	<u>TO PROVIDE SCAFFOLDING INCLUDING TRANSPORTATION TO SITE FOR REPAIR AND CHECK LIGHT FITTING AT HIGH CEILING</u>	LOT	\$ 200.00
K	<u>TO SUPPLY AND MAKE GOOD OF LOST/DEFECTIVE DISTRIBUTION BOARD COVER (DES APPROVED)</u>	NO	\$ 300.00
L	<u>TO CUT EXISTING CEILING TO PROVIDE OPENING FOR LIGHTING / TO CLOSE OR PATCH CEILING OPENING C/W WHITE PAINT</u>	NO	\$ 5.00
M	<u>CHECKING AND SERVICING OF FUME CUPBOARD; FUME HOOD BLOWER INCLUDING REPLACE ANY FAULTY PART, REWINDING MOTOR AND MAKE GOOD TO WORK</u>	NO	\$ 900.00
N	<u>DISCONNECT EXISTING, RECONNECT BACK USING PROPER JOINTING KIT C/W NECESSARY CABLE LINKS , EXCAVATION ETC FOR 4C/10 MM2 - 16MM2 UNDERGROUND CABLE</u>	PER PT	\$ 280.00
	<u>LOW VOLTAGE MAIN CABLE FAULT LOCATING</u>		
O	<u>TO TEST SET TO PIN-POINTING OF LOW VOLTAGE CABLE FAULT LOCATION WITH NECESSARY EQUIPMENTS AND SERVICES REQUIRED TO CARRY OUT TEST BY QUALIFIED ENGINEER. NOTE : 1 FAULT FINDING</u>	PER PT	\$ 700.00
P	<u>TO EXCAVATE AND EXPOSE CABLE FAULT LOCATION MANUALLY OR USING MECHANICAL EXCAVATORS, WITH PRECAUTIONARY MEASURES TO BE TAKEN TO SAFEGUARD CABLE WITHIN VICINITY OF WORK SITE; TO SUPPLY AND PROVIDE SPECIALISED TOOLS, COMPETENT JOINER TO ACCESS THE EXTEND OF LOW VOLTAGE CABLE FAULT AND TO PERFORM THE REPAIR WORKS ON THE CABLE; REPAIRING OF THE LOW CABLE FAULT USING SUITABLE REPAIRING KITS (CRIMPING CABLE JOINT LINK); BACKFILLING TO ORIGINAL FORMATION LEVEL ON COMPLETION OF REPAIRING CABLE FAULT. LIASION WITH DES FOR TEST AND COMMISIONING</u>	PER PT	\$ 800.00

Item	Description	Unit	Rate
III	We, the undersigned, are willing to contract for and perform electrical maintenance and repair works to Universiti Brunei Darussalam (UBD) as may be ordered from time to time for a period of ONE (1) year or not exceeding \$50,000.00 commencing from the date of award of quotation and at rates contained herein at: PLUS / MINUS % (per Centum)* Delete as necessary and insert the necessary % (N.B): If none stated then it would assumed to be "NIL") Contractor MUST have qualified electricians registered with Department of Electrical Services to do electrical installation and maintenance work. Approved and valid technical Pass Card MUST be attached together. The rate for the works are inclusive of necessary : 1. Insurances 2. Site supervisor and management 3. Site security 4. Programme chart (Contractors should make subsequent revisions as directed by S.O) 5. Catalogue / Samples of equipment, accessories and fittings necessary 6. Preparation of shop drawing and coordination 7. Progress photographs 8. Disconnect, dismantle and removal from site unused/damaged existing electrical cable, trunking, conduit, switches, board, light fitting and other accessories and requirement as directed by S.O 9. Repaint and make good wall and ceiling causes from the removal and dismantling of existing wiring and light fitting. 10. Prepare shop drawing as built drawing, testing and commissioning and liason with DES for approval upon completion of works 11. All the electrical fittings, cables , switchboard and etc must be DES Approved Vendor 12. Warning and Signages 13. Fire prevention 14. All labour charges for workforce, equipment, supervisions, transportation and all necessary consumables to complete the works as per instructed by S.O		