

TENDER 020/19 PROVISION OF ELECTRICAL SERVICES AND NEW ELECTRICAL
INSTALLATIONS TO THE VALUE OF \$50,000 EXCLUDING STREET LIGHTING

SCHEDULE OF ITEMS

ITEM	DESCRIPTION	Unit
EC1	Renew BC or ES 5w-20w Energy Saving Lamp. Supply and install a new compact fluorescent lamp up to and including 20-Watt capacity. Includes all sizes from 5 Watts to 20 Watts.	Each
EC1.1	Renew BC or ES 5w-20w Energy Saving Lamp. Labour and materials for each additional new BC or ES energy saving lamp on same order as Item EC1. Includes all sizes from 5 Watts to 20 Watts.	Each
EC2	Renew PL 2-Pin 5w-26w Energy Saving Lamp. Supply and install a new PL 2-pin compact fluorescent lamp. Includes all sizes from 5 Watts to 26 Watts.	Each
EC2.1	Renew PL 2-Pin 5w-26w Energy Saving Lamp. Labour and materials for each additional new PL 2 -pin energy saving lamp on same order as Item EC2. Includes all sizes from 5 Watts to 26 Watts.	Each
EC3	Renew 4-Pin 5w-42w Energy Saving Lamp. Supply and install a new 4-pin compact fluorescent lamp. Include all sizes from 5 Watts to 42 Watts.	Each
EC3.1	Renew 4-Pin 5w-42w Energy Saving Lamp. Labour and materials for each additional new 4-pin energy saving lamp on same order as Item EC3. Includes all sizes from 5 Watts to 26 Watts.	Each
EC4	Renew 4-Pin Hex Base 5w-42w Energy Saving Lamp. Supply and install a new 4-pin hex base compact fluorescent lamp. Include all sizes from 5 Watts to 42 Watts.	Each
EC4.1	Renew 4-Pin Hex Base 5w-42w Energy Saving Lamp. Labour and materials for each additional new 4-pin hex base energy saving lamp on same order as Item EC4. Includes all sizes from 5 Watts to 26 Watts.	Each
EC5	Renew T8 Fluorescent Tube 18w-58w. Supply and install a new T8 fluorescent tube. Includes all sizes from 18 Watts to 58 Watts.	Each
EC5.1	Renew T8 Fluorescent Tube 18w-58w. Labour and materials for each additional new T8 fluorescent tube on same order as Item EC5. Includes all sizes from 18 Watts to 58 Watts.	Each
EC6	Renew T5 Fluorescent Tube 13w-76w. Supply and install a new T5 fluorescent tube. Includes all sizes from 13 Watts to 76 Watts.	Each
EC6.1	Renew T5 Fluorescent Tube 13w-76w. Labour and materials for each additional new T5 fluorescent tube on same order as Item EC6. Includes all sizes from 13 Watts to 76 Watts.	Each
EC7	Renew IR Dichroic Globe 10w-50w. Supply and install a new IR dichroic globe. Includes all sizes from 10 Watts to 50 Watts.	Each
EC7.1	Renew IR Dichroic Globe 10w-50w. Labour and materials for each additional new IR dichroic globe on same order as Item EC7. Includes all sizes from 10 Watts to 50 Watts.	Each
EC8	Renew Electronic Ballast – Supply and install new electronic ballast up to and including 2 x 42 Watt. Includes all sizes under 2 x 42 Watt.	Each
EC8.1	Renew Electronic Ballast – Labour and materials for each additional new electronic ballast on same order as Item EC8. Includes all sizes under 2 x 42 Watt.	Each
EC9	Renew Low Loss Ballast – Supply and install new iron core low loss ballast up to and including 36 Watt. Includes all sizes up to 36 Watt.	Each
EC9.1	Renew Low Loss Ballast – Labour and materials for each additional new iron core low loss ballast on same order as Item EC9. Includes all sizes up to 36 Watt.	Each
EC10	Renew MR12 LED Downlight globe. Supply and install replacement MR12 LED downlight to existing fitting. Includes all sizes from 3 Watts to 25 Watts.	Each

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ITEM	DESCRIPTION	Unit
EC10.1	Renew MR16 LED Downlight globe. Install replacement MR16 LED downlight to existing fitting. Includes all sizes from 3 Watts to 25 Watts.	Each
EC11	Install LED Downlight. Install replacement LED downlight complete fixture. Includes all sizes from 3 Watts to 15 Watts.	Each
EC11.1	Install LED Downlight. Labour and Materials for each additional new LED downlight complete fixture. Includes all sizes from 3 Watts to 15 Watts.	Each
EC12	Renew incandescent 25-100 Watt Globe – Supply and install a new 260 volt globe in existing fitting only if Compact/Energy Saving Lamp is not compatible.	Each
EC13	Install Light Point – Supply and install a new bayonet type light point including a new switch connected to existing circuit. (Include allowance for 10m wiring).	Each
EC14	Install 10amp Single Power Outlet – Supply and install a new 10amp safety shuttered switched single power outlet, connected to existing circuit. (Include allowance for 10m wiring).	Each
EC15	Install 10amp Double Power Outlet – Supply and install a new 10amp safety shuttered switched double power outlet, connected to existing circuit. (Include allowance for 10m wiring).	Each
EC16	Install 10amp Double Power Outlet – Supply and install a new 10amp safety shuttered switched double power outlet, connected back to main distribution board with a new (separate) circuit breaker (MCB/RCD) included. (Include allowance for up to 10m wiring).	Each
EC17	Install 15amp Single Power Outlet – Supply and install a new 15amp safety shuttered switched single power outlet, connected back to main distribution board with a new (separate) circuit breaker (MCB/RCD) included. (Include allowance for 10m wiring).	Each
EC18	Install Cat 6e single data outlet - Terminate both ends and test as required: allow up to 50m of cable.	Each
EC19	Install Cat 6e single data outlet - Terminate both ends and test as required: allow up to 100m of cable.	Each
EC20	Install Cat 6e double data outlet - Terminate both ends and test as required: allow up to 50m of cable.	Each
EC21	Install Cat 6e double data outlet - Terminate both ends and test as required: allow up to 100m of cable.	Each
EC22	Install intelligensor LED batten- Supply and install Haneco VISTA40W12-TRI-SS or similar approved by the City	Each
EC23	Install intelligensor Weather Proof LED batten - Supply and install Haneco TRIPROOF40W12-TRI-SS or similar approved by the City.	Each
EC24	Install intelligensor LED bulkhead - Supply and install Enlighten Chameleon Security light, Enlighten D-CHAMC-CB or similar approved by the City.	Each
EC25	Renew 80 Amp Single Phase Main Switch – Supply and install a new single phase 80 amp main switch to switchboard.	Each
EC26	Renew 55 Amp Three Phase Main Switch – Supply and install a new three phase 55 amp main switch to switchboard.	Each
EC27	Renew 100 Amp Three Phase Main Switch – Supply and install a new three phase 100 amp main switch to switchboard	Each
EC28	Renew Single Pole 10 Amp 6KA MCB – Supply and install a new 10 amp 6ka single pole Miniature Circuit Breaker.	Each
EC29	Adjust Time clock – Reset time clock. Attend site during normal hours (non-emergency callout) and adjust/reset timeclock as directed.	Each
EC30	Renew Time Clock – Supply and install a new replacement digital (battery backed) time clock to existing installation (typical Clipsal 4TCD1).	Each

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EC31	Install Flood light controller - Supply and install Hunter 4 station Controller. Enter program as required	Each
EC32	Install Flood light controller - Supply and install Hunter 6 station Controller. Enter Program as required.	Each
EC33	Renew Photo Cell Sensor – Supply and install a new replacement day/night switch to existing installation (typical HPM PE 170 or similar).	Each
EC34	Renew Trafficable Rated Cable Pit – Excavate and remove cable pit up to 800 x 800 x 1200mm. Supply and install a new trafficable rated replacement cable pit.	Each
EC35	Renew Cable Pit – Excavate and remove cable pit up to 800 x 800 x 800mm. Supply and install a new PVC cable pit with galvanised lid.	Each
EC36	Testing and Tagging – Testing of leads, tools, machinery and appliances, supply and attach appropriate colour coded test tag. Record details in approved report format.	Each
EC37	Test Operation and Repair – Check operation and/or trace out fault to reported defective electrical devices or circuits. Repair fault as required. Include 1 hour of labour. Can only be charged once per works order. Add materials.	Each
EC38	Install 1 pole Isolator - To existing HWS or Stove.	Each
EC39	Install 3 pole Isolator - To existing HWS or Stove.	Each
EC40	Renew 35 Watt Metal Halide (MH) Lamp – Supply and install a new 35W (MH) lamp. Install in existing fitting in building or on pole up to 15m above ground level. Exclude cherry picker hire.	Each
EC40.1	Renew 35 Watt Metal Halide (MH) Lamp – Labour and materials only for each additional new 35W (MH) lamp on same order as Item EC40.	Each
EC41	Renew low volt globe in existing fitting, replacing 50 watt or similar.	Each
EC42	Renew 70 Watt Metal Halide (MH) Lamp – Supply and install a new 70W (MH) lamp. Install in existing fitting on pole up to 15m above ground level. Exclude cherry picker hire.	Each
EC42.1	Renew 70 Watt Metal Halide (MH) Lamp – Labour and materials only for each additional new 70W (MH) lamp on same order as Item EC42.	Each
EC43	Renew 100 Watt Metal Halide (MH) Lamp – Supply and install a new 100W (MH) lamp. Install in existing fitting on pole up to 15m above ground level. Exclude cherry picker hire.	Each
EC43.1	Renew 100 Watt Metal Halide (MH) Lamp – Labour and materials only for each additional new 100W (MH) lamp on same order as Item EC43.	Each
EC44	Renew 150 Watt Metal Halide (MH) Lamp – Supply and install a new 150W (MH) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC44.1	Renew 150 Watt Metal Halide (MH) Lamp – Labour and materials only for each additional new 150W (MH) lamp on same order as Item EC44.	Each
EC45	Renew 250 Watt Metal Halide (MH) Lamp – Supply and install a new 250W (MH) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC45.1	Renew 250 Watt Metal Halide (MH) Lamp – Labour and materials only for each additional new 250W (MH) lamp on same order as Item EC45.	Each
EC46	Renew 400 Watt Metal Halide (MH) Lamp – Supply and install a new 400W (MH) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC46.1	Renew 400 Watt Metal Halide (MH) Lamp – Labour and materials only for each additional new 400W (MH) lamp on same order as Item EC46	Each
EC47	Renew 1000 Watt Metal Halide (MH) Lamp – Supply and install a new 1000W (MH) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC47.1	Renew 1,000 Watt Metal Halide (MH) Lamp – Labour and materials only for each additional new 1000W (MH) lamp on same order as Item EC47.	Each

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ITEM	DESCRIPTION	Unit
EC48	Renew 1,500 Watt Metal Halide (MH) Lamp – Supply and install a new 1500W (MH) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC48.1	Renew 1,500 Watt Metal Halide (MH) Lamp – Labour and materials only for each additional new 1500W (MH) lamp on same order as Item EC48.	Each
EC49	Renew 2,000 Watt Metal Halide (MH) Single Ended Lamp – Supply and install a new 2000W (MH) lamp. Install in existing fitting on pole up to 50m above ground level.	Each
EC49.1	Renew 2,000 Watt Metal Halide (MH) Single Ended Lamp – Labour and materials only for each additional new 2000W (MH) lamp on same order as Item EC49.	Each
EC50	Renew 2,000 Watt Metal Halide (MH) Double Ended Lamp – Supply and install a new 2000W (MH) lamp. Install in existing fitting on pole up to 50m above ground level. Typical lamp type Philips Long Arc MHNLA 2000w	Each
EC51	Renew 400 Watt Metal Halide Double Ended Lamp – Supply and install a new 400W (MH) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC51.1	Renew 400 Watt Metal Halide Double Ended Lamp – Supply and install a new 400W (MH) lamp – Labour and materials only for each additional new lamp on same order as item EC51.	Each
EC52	Renew 80 Watt Mercury Vapour (MV) Lamp – Supply and install a new 80W (MV) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC52.1	Renew 80 Watt Mercury Vapour (MV) Lamp – Labour and materials only for each additional new 80W (MV) lamp on same order as Item EC52.	Each
EC53	Renew 125 Watt Mercury Vapour (MV) Lamp – Supply and install a new 125W (MV) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC53.1	Renew 125 Watt Mercury Vapour (MV) Lamp – Labour and materials only for each additional new 125W (MV) lamp on same order as Item EC53.	Each
EC54	Renew 70 Watt High Pressure Sodium (HPS) Lamp – Supply and install a new 70W (HPS) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC54.1	Renew 70 Watt High Pressure Sodium (HPS) Lamp – Labour and materials only for each additional new 70W (HPS) lamp on same order as Item EC54.	Each
EC55	Renew 150 Watt High Pressure Sodium (HPS) Lamp – Supply and install a new 150W (HPS) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC55.1	Renew 150 Watt High Pressure Sodium (HPS) Lamp – Labour and materials only for each additional new 150W (HPS) lamp on same order as Item EC55.	Each
EC56	Renew 250 Watt High Pressure Sodium (HPS) Lamp – Supply and install a new 250W (HPS) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC56.1	Renew 250 Watt High Pressure Sodium (HPS) Lamp – Labour and materials only for each additional new 250W (HPS) lamp on same order as Item EC56.	Each
EC57	Renew 400 Watt High Pressure Sodium (HPS) Lamp – Supply and install a new 400W (HPS) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC57.1	Renew 400 Watt High Pressure Sodium (HPS) Lamp – Labour and materials only for each additional new 400W (HPS) lamp on same order as Item EC57.	Each
EC58	Renew 500 Watt Tungsten Halogen (TH) Lamp – Supply and install a new 500W (TH) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC58.1	Renew 500 Watt Tungsten Halogen (TH) Lamp – Labour and materials only for each additional new 500W (TH) lamp on same order as item EC58.	Each
EC59	Renew 1,000 Watt Tungsten Halogen (TH) Lamp – Supply and install a new 1000W (TH) lamp. Install in existing fitting on pole up to 15m above ground level.	Each
EC59.1	Renew 1,000 Watt Tungsten Halogen (TH) Lamp – Labour and materials only for each additional new 1000W (TH) lamp on same order as Item EC59.	Each

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ITEM	DESCRIPTION	Unit
EC60	Renew Defective Ignitor – up to 400w	Each
EC61	Renew Defective Ignitor – 450w to 2000w	Each
EC62	Night Adjustment of Floodlights – Re-align and adjust as directed up to 4 floodlights located up to 15m above ground level – (After-hours).	Each
EC63	Day Adjustment of Floodlights – Re-align and adjust as directed up to 4 floodlights located up to 15m above ground level.	Each
EC64	Renew Single Pole 16 Amp 6KA MCB – Supply and install a new 16 amp 6ka single pole Miniature Circuit Breaker.	Each
EC65	Renew Single Pole 20 Amp 6KA MCB – Supply and install a new 20 amp 6ka single pole Miniature Circuit Breaker.	Each
EC66	Renew Single Pole 32 Amp 6KA MCB – Supply and install a new 32amp 6ka single pole Miniature Circuit Breaker.	Each
EC67	Renew Three Pole 10 Amp 6KA MCB – Supply and install a new 10 amp 6ka three pole Miniature Circuit Breaker.	Each
EC68	Renew Three Pole 16 Amp 6KA MCB – Supply and install a new 16 amp 6ka three pole Miniature Circuit Breaker.	Each
EC69	Renew Three Pole 20 Amp 6KA MCB – Supply and install a new 20 amp 6ka three pole Miniature Circuit Breaker.	Each
EC70	Renew Three Pole 32 Amp 6KA MCB – Supply and install a new 32 amp 6ka three pole Miniature Circuit Breaker.	Each
EC71	Renew 1 Module Single Phase 10 Amp RCD/MCB – Supply and install a new RCD/MCB 1 module single phase 10 amp.	Each
EC72	Renew 1 Module Single Phase 16Amp RCD/MCB – Supply and install a new RCD/MCB 1 module single phase 16 amp.	Each
EC73	Renew 1 Module Single Phase 20 Amp RCD/MCB – Supply and install a new RCD/MCB 1 module single phase 20 amp.	Each
EC74	Renew 2 Module Single Phase 10 Amp RCD/MCB – Supply and install a new RCD/MCB 2 module single phase 10 amp.	Each
EC75	Renew 2 Module Single Phase 16Amp RCD/MCB – Supply and install a new RCD/MCB 2 module single phase 16 amp.	Each
EC76	Renew 2 Module Single Phase 20 Amp RCD/MCB – Supply and install a new RCD/MCB 2 module single phase 20 amp.	Each
EC77	Renew 10KA MCB Three Phase – Supply and install a new 10ka four pole three phase Miniature Circuit Breaker up to 40 amp.	Each
EC78	Replace RCD – Supply and install miniature 2 pole 30ma 20 amp combined RCD. Typical Multi Nine or similar.	Each
EC79	Replace combined RCD/ Twin GPO – Supply and install a new RCD/Twin GPO.	Each
EC80	20A RCD/ACB – Supply and install a new 20A RCD/ACB as replacement for an existing 20A ACB - EMAIL ELQ120C-3.	Each
EC81	Resecure Switch/Plate – Resecure existing light switch or power outlet.	Each
EC82	Renew Light Switch – Supply and install a new light switch to match existing fitting (White) (Extra cost for coloured fitting).	Each
EC83	Renew Weatherproof Light Switch – Supply and install a new weatherproof light switch (slide type) flush mounting.	Each
EC84	Renew 10 Amp Single Power Outlet – Supply and install a new 10 amp safety shuttered switched single power outlet.	Each

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EC85	Renew 10 Amp Double Power Outlet – Supply and install a new 10 amp safety shuttered switched double power outlet.	Each
EC86	Renew 15 Amp Heavy Duty Power Outlet – Supply and install a new 15 amp safety shuttered switched power outlet.	Each
EC87	Renew 10 Amp Waterproof Power Outlet – Supply and install a new 10 amp waterproof single switched socket with safety shutters and looping terminal.	Each
EC88	Renew 15 Amp Heavy Duty Waterproof Power Outlet – Supply and install a new 15 amp waterproof single switched socket with safety shutters and looping terminal.	Each
EC89	Renew Edgelight Exit Sign – Supply and install Edge LED Exit Sign complete with required covers. Typical Legrand double sided Edgelight Exit.	Each
EC90	Renew Exit Sign – Supply and install quik-fit or similar LED Exit Sign complete with required covers. Typical Installed premium range (slide connect).	Each
EC91	Renew 10 Watt Fluorescent Lamp to existing Exit Sign – Supply and install a new 10W Lamp. Use only lamps approved by the Superintendent.	Each
EC92	Renew Recessed Emergency Light.	Each
EC93	Renew Twin LED Heavy Duty Emergency Spot unit complete.	Each
EC94	Renew Surface Mounted Emergency Light.	Each
EC95	Testing of Exit Signs or Emergency Lighting – Price each (per sign or light). Allow for 90 minute on site test and completion of all testing requirements to Australian Standards. Include the supply of replacement lamps or tubes if required and documentation of test results in on-site log book.	Each
EC96	Renew 28/36 watt Emergency Pack – Supply and install a new 28/36 watt battery pack and inverter to existing 28/36 watt fluorescent fitting.	Each
EC97	Electrical Testing of RCD's – Testing and recording of tripping time and low level leakage current. Price per switchboard with up to 40 RCD's.	Each
EC98	Annual Solar Inspection - Inspection According to AS5033:2014 Maintenance Schedule Table C1 - One Year Inspection, C1 Safety & C2 Periodic Maintenance. Provide a full written report on all aspects of the inspection/service findings including any shading of array areas by vegetation. Per System / Invertor.	Each
EC99	Solar Panel Clean - Clean the energy absorbing surfaces of photovoltaic array panels to be clear of dust, debris and fungus. Clean all debris from around and under the array and its support structure. Per Panel.	Each
EC100	Thermographic Imaging- Infrared scan and electronic records of Photovoltaic arrays to assist in identifying any defects. Records are to identify each array and its precise location. Per System / Invertor.	Each
EC101	Renew Vandal Light Fitting – Supply and install a new Clipsal Tough Light or similar premium quality 12 watt LED vandal light.	Each
EC102	Install Wire Cage – Supply and install a new purpose made wire cage over light fitting, wire mesh to be galvanised wire of 5mm diameter at 50mm centres (Arc mesh WG22GS). Secure over fitting allowing minimum 25mm clearance.	Each
EC103	Renew Ceiling Fan 1200mm – Supply and install a new approved type 1200mm ceiling sweep fan. Connect to existing wiring.	Each
EC104	Renew Ceiling Fan 1,400mm – Supply and install a new approved type 1400mm ceiling sweep fan. Connect to existing wiring.	Each
EC105	Remove debris, streamers from ceiling fan and adjust blades as required.	Each
EC106	Renew Exhaust Fan 200mm or 250mm – Supply and install a new approved type 200mm or 250mm exhaust fan. Connect into existing aperture and wiring.	Each

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ITEM	DESCRIPTION	Unit
EC107	Disconnect Hot Water System – Disconnect and make safe the wiring to H/W/S for replacement by others.	Each
EC108	Reconnect Hot Water System – Reconnect wiring to H/W/S replaced by others.	Each
EC109	Disconnect Commercial Stove/Cooktop System – Disconnect and make safe the wiring to Stove/Cooktop for replacement by others.	Each
EC110	Reconnect Commercial Stove/Cooktop System - Reconnect wiring to Stove/Cooktop replaced by others. Install Anti- Tilt Protection.	Each
EC111	Replace BBQ Element - Dismantle BBQ and install Christies Element, reassemble and test.	Each
EC112	Replace BBQ thermostat - Dismantle BBQ and install Christie approved Thermostat. Reassemble and test.	Each
EC113	Log Book/Survey – Survey building (typical Community Hall, Recreation Centre, Library, Office Building or the like). Identify and document RCD's, Exit Light and Emergency Light location and circuit designation as required by Australian standards. Provide completed City of Joondalup approved format "Multi-Purpose" bound Log Book with replaceable pages to cover 5 years of testing.	Each
EC114	Log Book Replacement - Replace log book with 5 year testing result recording capacity. Include site maps, circuit designation and fitting details.	Each
EC115	On Site Meeting/Report – On site meeting with ratepayers and or Council staff by experienced, qualified electrician to provide Council with information and advice. Allow for up 1.5 hours on site and written follow up report.	Each
EC116	Budget, Feasibility Reports – Prepare report for Council Budgeting purposes or feasibility studies, providing options and cost estimates. May require a site visit, load calculations, and the like. Allow for up to two (2) hours time expenditure.	Each
EC117	Form 5 Normal Hours - Form 5 completion as required by Health Department for events during Normal Hours.	Each
EC118	Form 5 After Hours - Form 5 completion as required by Health Department for events during After Hours.	Each
EC119	Supply and install data logger for 48hrs	Each
EC120	Cost Plus mark-up on Plant and Equipment Hire	%
EC121	Cost plus mark-up Specialist Contractor Hire	%
EC122	Unscheduled Material - Cost plus mark-up percentage.	%
EC123	Cost Plus mark-up on EWP/ Cherry Picker Hire	%
1. Hourly Rate for Electrical Tradesperson		
EC124	Normal Hours	
EC125	After Hours	
EC126	Saturday	
EC127	Sunday	
EC128	Public Holiday	
EC130	Maximum call out charge After hours	
EC131	Maximum call out charge Saturday	
EC132	Maximum call out charge Sunday	
EC133	Maximum call out charge Public Holiday	

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ITEM	DESCRIPTION	Unit
2. Hourly Rate for Data Cabling Technician		
EC134	Normal Hours	
EC135	After Hours	
EC136	Saturday	
EC137	Sunday	
EC138	Public Holiday	
EC140	Maximum call out charge After hours	
EC141	Maximum call out charge Saturday	
EC142	Maximum call out charge Sunday	
EC143	Maximum call out charge Public Holiday	
3. Hourly Rate for Accredited Solar Technician		
EC144	Normal Hours	
EC145	After Hours	
EC146	Saturday	
EC147	Sunday	
EC148	Public Holiday	
EC150	Maximum call out charge After hours	
EC151	Maximum call out charge Saturday	
EC152	Maximum call out charge Sunday	
EC153	Maximum call out charge Public Holiday	
5. Mark up for Outsourced Materials and Labour		
EC164	Mark Up for Outsourced Materials	
EC165	Mark Up for Outsourced Labour	
6. Hourly Rate for Apprentice 1st year		
EC166	Normal working hours 7.00am to 3.30pm	
EC167	After hours 3.31pm to 6.59am	
EC168	After hours call out (nominate minimum hours ...)	
EC169	Saturday	
EC170	Sunday	
EC171	Public holiday	
7. Hourly Rate for Apprentice 2nd year		
EC172	Normal working hours 7.00am to 3.30pm	
EC173	After hours 3.31pm to 6.59am	
EC174	After hours call out (nominate minimum hours ...)	
EC175	Saturday	
EC176	Sunday	
EC177	Public holiday	

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8. Hourly Rate for Apprentice 3th year		
EC178	Normal working hours 7.00am to 3.30pm	
EC179	After hours 3.31pm to 6.59am	
EC180	After hours call out (nominate minimum hours ...)	
EC181	Saturday	
EC182	Sunday	
EC183	Public holiday	
9. Hourly Rate for Apprentice 4th year		
EC184	Normal working hours 7.00am to 3.30pm	
EC185	After hours 3.31pm to 6.59am	
EC186	After hours call out (nominate minimum hours ...)	
EC187	Saturday	
EC188	Sunday	
EC189	Public holiday	

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SUMMARY OF SUBMISSIONS

Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
Wanneroo Electrics Unit Trust All requirements have been met.	Yes	It has significant experience providing similar electrical services and maintenance to the Cities of Wanneroo (contract duration 2001 to 2022) and Joondalup (2005 to 2019). Other examples of works were provided and these were for the provision of photovoltaic servicing and maintenance for the City of Wanneroo (2018 to 2022) and electrical services and maintenance for Mercy College (from 1977 - ongoing) and Image Source (from 2008 – ongoing). The scale or volume of these works were not supplied.	It was established in 1962. It currently employs 11 staff including three apprentices. Its business structure and details of seven key personnel including their roles, qualifications, length of service and years of industry experience were provided. An extensive list of specialised tools that will be used to carry out the works was supplied. It provides 24/7 coverage and has arrangements in place with several other electrical contractors and contracting companies that are able to supply additional personnel if required. Afterhours contact details were provided. It operates with its own quality management system and has a safety policy in place. Its Submission included copies of its safety management plan and statistics (showing no lost time injuries recorded for the past two years).	It demonstrated a thorough understanding and appreciation of the City's requirements. It submitted a comprehensive response. As it is the current and previous holder of this Contract, it proposed the use of existing procedures in place for receiving work order, response, rectification, communication as required and invoicing in the approved manner. Its Submission included a workflow and personnel allocation chart.	It is located in Clarkson and has workshops and sub offices in Mullaloo, Wangara and Wanneroo. It utilises various local suppliers for goods and services. Several of its staff are residents of the City and it has trained over 100 apprentices locally since its inception.	83.6%	\$3,476,110 (assuming no change in historical usage)	1

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		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>Datatel Communications Pty Ltd trading as Datatel Communications</p> <p>All requirements have been met.</p>	Yes	<p>It demonstrated experience providing electrical services to private organisations and public sector in WA. Examples of works were provided, however, only two were of a similar nature to the City's requirements. These were for electrical breakdown, inspection, maintenance and capital works for the City of Belmont (since 2012) and the University of Western Australia (for more than 15 years).</p>	<p>It commenced operation in 1998. It currently employs over 200 fulltime staff. An organisation chart and details of key management personnel including their roles, qualifications and experience were provided however, there was no reference to electrical staff. Its Submission included an extensive list of specialised plant and equipment that will be used. It stated the company has existing processes in place to support its clients' requirements for 24/7 service and has substantial number of staff, enabling it to rapidly provide additional personnel if required. It has a quality management system accredited to ISO9001 and a safety management system to AS4901. Copies of its safety management plan and statistics were supplied.</p>	<p>It did not fully demonstrate its understanding of the City's requirements. Though its Submission included the company's approach to manage and deliver various categories of works from inception to completion, its focus was mainly on systems processes and procedures than specific works.</p>	<p>Its head office is located in Balcatta and the company has offices in QLD, NSW and VIC.</p>	55.3%	\$4,462,977 (assuming no change in historical usage)	2

TENDER 020/19 ELECTRICAL SERVICES AND NEW ELECTRICAL INSTALLATIONS TO THE VALUE OF \$50,000 EXCLUDING STREET LIGHTING

Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>Fredon (WA) Electrical Pty Limited</p> <p>All requirements have been met.</p>	Yes	<p>It demonstrated experience providing electrical breakdown repairs and minor works to the Department of Human Services buildings throughout Perth for Jones Lang LaSalle Incorporated (2018 - ongoing) and at Phoenix and Altone Shopping Centres for CBRE Perth (2018 – ongoing). Only one other example of work was provided and this was for electrical and communications breakdown repairs and minor works to Australian Federal Police (AFP) Murray Street and AFP Perth airport for Jones Lang LaSalle Incorporated.</p>	<p>It is part of Fredon Group which was established in 1968 and employs over 1,100 fulltime and contract staff nationally. It has a pool of over 115 employees. An organisation chart and details of key personnel including their qualifications, roles, length of service and years of industry experience were provided. It did not provide details of specialised equipment that will be used or afterhours contacts for emergency requirements. It indicated afterhours works are handled by its call centre and calls will be directed as required to on-call staff. It can also allocate multiple tradesmen to various projects at one given time. It has a quality management system accredited to ISO9001 and a safety management system to AS4801. Copies of its safety management plan and statistics were provided.</p>	<p>It demonstrated a good understanding of the required tasks. Its Submission included the company’s proposed approach to provide the services and flowcharts for normal and outside of business hours reactive callout were supplied. It stated the company has the systems, staff and resources to complete all work within the specified timeframes.</p>	<p>Its WA office is located in Bayswater.</p> <p>It utilises local electrical wholesalers within Joondalup for materials and over 40% of its workforce live within the City.</p>	53.9%	\$5,525,962 (assuming no change in historical usage)	3

TENDER 020/19 ELECTRICAL SERVICES AND NEW ELECTRICAL INSTALLATIONS TO THE VALUE OF \$50,000 EXCLUDING STREET LIGHTING

Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>The Trustee for the Gilmour Trust & the Trustee for the Jooste Family Trust trading as Gilmour & Jooste Electrical</p> <p>All requirements have been met.</p>	Yes	<p>It has extensive experience providing similar electrical services to state and local governments in WA. Examples of works included breakdown repairs, routine maintenance, planned maintenance and projects for the City of Stirling (contract duration from 2011 to 2020), City of Perth (2012 to 2019) and the Town of Cambridge (2015 to 2020).</p>	<p>It was formed in 2005. It currently has 30 staff. An organisation structure and details of key personnel including their roles, qualifications and years of experience were provided. Its Submission included a list of equipment and machinery that will be used. It indicated it will be available to provide the services 24/7, though it did not specifically address the ability to provide additional personnel. It operates with its own quality management system and has a safety policy in place. Copies of its safety management manual and statistics were supplied.</p>	<p>It proposed a methodology and approach to carry out the services as specified for various categories of works, from programmed maintenance and normal time breakdown to emergency maintenance. However, during the price assessment the panel was concerned with the rates submitted, which were extremely low and did not reflect market rates or the works specified. The panel is not confident Gilmour & Jooste Electrical has sufficient understanding of the City's requirements.</p>	<p>It is located in Balcatta.</p> <p>It currently uses MM Electrical in Joondalup and a range of other businesses for goods and services. Half of its team reside within the City. It indicated it currently draws on local schools within the City to provide workplace learning positions which enables it to form a pool of potential apprentices from which it employs.</p>	53.4%	\$2,925,765 (assuming no change in historical usage)	4

TENDER 020/19 ELECTRICAL SERVICES AND NEW ELECTRICAL INSTALLATIONS TO THE VALUE OF \$50,000 EXCLUDING STREET LIGHTING

Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>The Trustee for M R Hoskins Family Trust trading as A E Hoskins & Sons</p> <p>All requirements have been met.</p>	Yes	<p>It has been providing facilities maintenance and electrical services for various organisations. Numerous examples of works were provided though some included general building maintenance services. Those of a similar nature to this requirement were for the Town of Mosman Park facility maintenance services – electrical (2018 to 2021) and Spotless Facility Services – electrical maintenance services (primarily reactive or scheduled) to properties under the management of the Housing Authority (2016 to 2017).</p>	<p>It has been providing building maintenance services since 1911. It currently has more than 85 employees. An organisational chart was not supplied though details of key personnel including their qualifications, skills, roles in Contract and experience were provided. It proposed to allocate only two electricians, supported by an apprentice for the Contract. A small list of equipment was supplied. It has a maintenance line which can be contacted 24 hours a day and proposed a further three electricians as contingency resources to provide additional support and respond during peak demand periods. It has a quality management system accredited to ISO9001 and a safety management system to AS4801. Copies of its safety procedures and statistics were supplied.</p>	<p>It demonstrated its understanding of the City's requirements. Its proposed approach included the allocation of two electricians to manage the majority of day to day maintenance work requests, supported by an apprentice. A job management workflow with an outline of its work order management procedures for general maintenance works was submitted.</p>	<p>It is located in Osborne Park.</p> <p>It intends to use local suppliers for materials and equipment. It indicated 20 of its staff members are residents of the City.</p>	52.5%	\$5,189,114 (assuming no change in historical usage)	5

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Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>Access Without Barriers Pty Ltd (AWB Co)</p> <p>All requirements have been met.</p>	Yes	<p>It has been providing building maintenance services and minor works for various organisations including state and local governments in WA. Examples included Programmed Facility Management to deliver a range of maintenance services across seven government agencies (2016 to 2021) and Western Power to provide a wide range of building maintenance services including electrical, plumbing and painting to asphalt and the like (2015 to 2021). Other examples were provided, however several were primarily minor works and some were sub-contracted works to other companies.</p>	<p>It commenced operations in 2014. The company currently employs 35 fulltime and two part time staff. An organisational chart and details of key personnel (nine in total) including their qualifications and skills were provided. It submitted a list of building equipment predominantly for various other maintenance works rather than electrical services. It stated the company operates an afterhours call out service which is operational 24/7, however, the ability to provide additional personnel was not addressed. It operates with its own quality management system and has a safety policy in place. Its Submission included copies of the company's safety policy and statistics.</p>	<p>It demonstrated a good understanding of the required tasks. It proposed to utilise processes and procedures designed and implemented to provide timely services to meet the needs of the building occupiers. Its Submission included a flowchart for planned preventative maintenance. Also, workflow or steps for attending to call outs and emergency repairs during normal and after business hours services were supplied.</p>	<p>It is located in Burswood.</p> <p>It indicated the company has six employees that reside within the City of Joondalup and will utilise local suppliers within the area for the supply of goods and services.</p>	51.8%	\$n/a (did not submit prices for all Schedule of Labour Rates Items)	6

TENDER 020/19 ELECTRICAL SERVICES AND NEW ELECTRICAL INSTALLATIONS TO THE VALUE OF \$50,000 EXCLUDING STREET LIGHTING

Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>Downer EDI Works Pty Ltd</p> <p>All requirements have been met.</p>	Yes	<p>It did not fully demonstrate experience providing similar electrical services. Examples of works included electrical maintenance of Main Roads WA's state-wide electrical infrastructure, along with capital works projects, predominantly involving improvement works inclusive of traffic signal and pedestrian blackspot improvement projects (1999 to 2018). Other examples involved maintaining Western Power street lighting infrastructure, including cable and lighting repairs, replacing damaged poles and undertaking small capital works projects. These were generally road works type maintenance with no reference to parks or buildings similar to the City's requirements.</p>	<p>It was formed in 2008. It has more than 450 fulltime employees nationally including over 106 staff in its WA office. However, the information provided on the services offered was more relevant to civil works type electrical maintenance. An organisational chart and details of five key personnel including their current roles and relevant experience were provided. An organisational chart and details of five key personnel including their current roles and relevant experience were provided. A vehicle equipment register and a small list of specialised test equipment were supplied. It indicated the company has an emergency maintenance team, backed up by an on-call supervisor and additional resources can be called upon from other sections. However, specific afterhours number was not submitted. It operates with a quality management system accredited to ISO9001 and a safety policy in place. Copies of its safety management plan and statistics were provided.</p>	<p>It demonstrated a sound understanding of the required tasks. It proposed methodology, approach and timelines on how the company will deliver planned building/asset maintenance and new electrical works for the City. The anticipated maintenance frequencies for each asset type was outlined. It will carry out annual review of maintenance requirements and the new electrical works project program will be created and issued to the City for approval as required.</p>	<p>The company's WA office is located in Maddington.</p> <p>It stated local suppliers are always its preferred source of supply. It has 14 fulltime employees that are residents within the City.</p>	45.3%	\$3,905,096 (assuming no change in historical usage)	7

TENDER 020/19 ELECTRICAL SERVICES AND NEW ELECTRICAL INSTALLATIONS TO THE VALUE OF \$50,000 EXCLUDING STREET LIGHTING

Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>Programmed Electrical Technologies Ltd</p> <p>All requirements have been met.</p>	Yes	<p>It has been part of the existing Public Transport Authority panel contract for provision of electrical services since 2014. It has also been providing electrical maintenance for Water Corporation WA (through Programmed Facilities Maintenance) at its sites, state wide in WA, since 2017. These were the only two examples of works provided though it listed current commitments for several other clients including Nando's (Local), Curtin University (Local), ANZ Bank (National) and Defence/Telstra (National). The scope of these works for other clients was not supplied.</p>	<p>It was established in 1981 as KLM Group Limited and was acquired by Programmed Maintenance Services Limited in 2010. It changed its name to Programmed Electrical Technologies Ltd in 2013. It currently has approximately 50 technicians. Though its structure of business was submitted, it provided limited details on proposed key personnel. Details of specialised equipment that will be used, afterhours contacts for emergency requirements and the ability to provide additional personnel were not addressed. It operates with its own quality management system and has a safety policy in place. Copies of its safety site plan and procedures were provided, however, its safety statistics were not supplied.</p>	<p>It did not fully demonstrate its understanding of the required tasks. It submitted a brief response with limited details on the proposed methodology and approach to carry out break down and routine services.</p>	<p>It operates out of its Belmont branch.</p> <p>It proposed to utilise local suppliers to service the Contract and indicated it has staff that are located within the City boundaries.</p>	42.7%	\$6,714,018 (assuming no change in historical usage)	8

TENDER 020/19 ELECTRICAL SERVICES AND NEW ELECTRICAL INSTALLATIONS TO THE VALUE OF \$50,000 EXCLUDING STREET LIGHTING

Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>Morris Contracting Services Pty Ltd (Morris Infrastructure Group)</p> <p>All requirements have been met.</p>	Yes	<p>It did not demonstrate experience providing similar services. It stated the company provided callout works to Western Power, Spotlight Services, City of Belmont and mine sites. The scope of work, period and dates, outcomes and similarity to this requirement were not addressed.</p>	<p>It commenced operation in 2015. It has 22 fulltime employees. Though an organisational chart was provided, details of the support team including the skills of key personnel, specialised equipment that will used, afterhours contacts for emergency requirements and the ability to provide additional personnel were not addressed. It operates with a quality management system accredited to ISO9001 and has a safety policy in place. However, its safety statistics were not supplied.</p>	<p>It submitted insufficient information demonstrating its understanding of the required tasks. It provided a brief outline with no details of the services required or methodology to carry out the services.</p>	<p>The company is located in Welshpool.</p> <p>It indicated the company uses local suppliers for goods and services. Several of its staff members reside in Joondalup and Wanneroo.</p>	26.1%	\$7,665,398 (assuming no change in historical usage)	9

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Tenderer & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Value	Rank
		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
<p>The Trustee for the Billins Family Trust (SMB Electrical Services)</p> <p>All requirements have been met.</p>	Yes	<p>It did not demonstrate experience providing similar services. Its response did not meet criterion except for a few aspects in that it only referenced three referee contacts or clients, which included Peel Health Campus, Revo Fitness Centres and Pulse Property Group.</p>	<p>It was established in 1994. It currently has 24 staff. An organisational structure was provided. However, details of its support team including the skills of key personnel, specialised equipment that will be used, afterhours contacts for emergency requirements and the ability to provide additional personnel were not addressed. It has its own quality management system and a safety policy in place. A copy of its site safety plan was supplied. It stated it has had no workplace accidents in the past two years.</p>	<p>It submitted limited information demonstrating its understanding of the required tasks. It merely stated the company will respond to phone calls or emails in a timely manner whether it be urgent or otherwise.</p>	<p>It is located in Wangara.</p> <p>It indicated its electricians are local and utilises wholesalers within the City boundaries.</p>	22.7%	\$4,012,347 (assuming no change in historical usage)	10

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		Demonstrated experience in providing similar services	Capacity	Demonstrated understanding of the required tasks	Social and economic effects on the local community			
Insight Electrical Technology Pty Ltd All requirements have been met.	Yes	It did not submit a specific response to this criterion. Some reference was made in electrical technician profiles of works undertaken, however no detail was supplied.	It was formed in 2006 and currently has 30 staff and eight apprentices. Its organisation chart and details of six key personnel including their qualifications and experience were provided. It did not submit details of specialised equipment that will be used, afterhours contacts for emergency requirements or the ability to provide additional personnel. It indicated the company operates with a quality management system accredited to ISO9001 and a safety policy to AS4801. Its Submission did not include copies of the company's safety procedures and statistics.	It did not address this criterion specifically and the information provided in its Submission was limited. The company did not demonstrate its understanding of the required tasks.	The company is located in East Perth. It did not submit a response.	11.9%	\$6,846,853 (assuming no change in historical usage)	11