

**SCHEDULE OF ITEMS**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UOM</b>
1	Supply and install 10 watt fluorescent lamp to existing exit sign	Each
2	Supply and install replacement cold cathode lamp to existing exit sign	Each
3	Supply and install 9 watt compact energy saving lamp	Each
4	Supply and install 11 watt compact energy saving lamp	Each
5	Supply and install 13 watt compact energy saving lamp	Each
6	Supply and install 15 watt compact energy saving lamp.	Each
7	Supply and install 18 watt cool fluorescent tube	Each
8	Supply and install 9 watt PL 2 pin compact energy saving lamp	Each
9	Supply and install 13 watt PL 2 pin compact energy saving lamp	Each
10	Supply and install 18 watt PL 2 pin compact energy saving lamp	Each
11	Supply and install 26 watt PL 2 pin compact energy saving lamp	Each
12	Supply and install 18 watt 4 pin compact energy saving lamp	Each
13	Supply and install 24 watt 4 pin compact energy saving lamp	Each
14	Supply and install 42 watt 4 pin compact energy saving lamp	Each
15	Supply and install 42 watt Hex Base 4 pin compact energy saving lamp	Each
16	Supply and install 36 watt fluorescent tube T8	Each
17	Supply and install 58 watt fluorescent tube T8	Each
18	Supply and install 14 watt fluorescent tube T5	Each
19	Supply and install 28 watt fluorescent tube	Each
20	Renew 35 watt IR Dichroic globe	Each
21	Renew volt globe in existing fitting, replacing 50 watt or same	Each
22	Renew 20 watt Dichroic globe - in existing fitting	Each
23	Renew incandescent 60 watt globe	Each
24	Renew incandescent 100 watt globe	Each
25	Renew 260 volt globe in existing fitting if energy saving globe is not compatible	Each
26	Renew light switch to match existing fitting (white as standard)	Each
27	Renew–flush mounting weather proof light switch (slide type)	Each
28	Renew 10 amp safety shuttered switched single power outlet	Each
29	Renew 10 amp safety shuttered switched double power outlet	Each
30	Renew 15 amp safety shuttered switched heavy duty power outlet	Each
31	Renew 10 amp waterproof single switch socket with safety shutters and looping terminal	Each
32	Renew 15 amp waterproof single switch socket with safety shutters and looping terminal	Each
33	Adjust time clock – reset time	Each
34	Test operation and repair – check operation and or trace out fault to reported defective electrical devices or circuits. Repair as required and include one (1) hours labour which can only be charged once per work order	Each

ITEM	DESCRIPTION	UOM
35	Supply and install light point including switch to the existing circuit and allow for ten (10) metres of wiring (light fitting to be charged as extra)	Each
36	Supply and install a single 10 amp safety shuttered switched power outlet and connect to existing circuit and allow for ten (10) metres of wiring	Each
37	Supply and install a single 15 amp safety shuttered switched power outlet, connect back to main distribution board with separate fuse or circuit breaker and allow for ten (10) metres of wiring	Each
38	Secure switch – re-secure light switch or power outlet	Each
39	Supply and install one (1) single phase 80 amp single phase main switch to switchboard	Each
40	Supply and install three (3) phase 55 amp switch to switchboard	Each
41	Renew 10 amp 6KA MCB single pole	Each
42	Renew 16 amp 6KA MCB single pole	Each
43	Renew 20 amp 6KA MCB single pole	Each
44	Renew 2 module single phase RCD/MCB single phase 10 amp	Each
45	Renew 2 module single phase RCD/MCB single phase 16 amp	Each
46	Renew 2 module single phase RCD/MCB single phase 20 amp	Each
47	Renew 1 module single phase RCD/MCB single phase 10 amp	Each
48	Renew 1 module single phase RCD/MCB single phase 16 amp	Each
49	Renew 1 module single phase RCD/MCB single phase 20 amp	Each
50	Renew 10 amp 6KA MCB three pole	Each
51	Renew 16 amp 6KA MCB three pole	Each
52	Renew 20 amp 6KA MCB three pole	Each
53	Renew 40 amp 4 pole 3phase RCD/MCB	Each
54	Supply and install ten (10) hole neutral link	Each
55	Renew 70 watt MH/HPS lamp	Each
ITEM	DESCRIPTION	UOM
56	Replace recessed emergency light – spitfire 1 x 10 watt emergency light complete with battery pack and inverter	Each
57	Replace exit sign 2 x 10 watt slide connect	Each
58	Replace cold cathode exit sign slide connect	Each
59	Replace surface mounted spitfire or similar emergency light	Each
60	Testing of a one exit sign or emergency light for a ninety (90) minute test. Include replacement of tubes/lamps if required. All results to be entered in on-site log book	Each
61	Electrical testing of RCD's – testing and recording tripping time and low level leakage current. Price per switchboard with up to 40 RCD's. All results to be entered in on-site log book	Each
62	Replace 36 watt emergency battery pack and inverter to existing 36 watt fluorescent fitting	Each
63	Replace 2 x 10 watt emergency flood lighting unit complete	Each
64	Replace combined RCD/Twin GPO	Each

ITEM	DESCRIPTION	UOM
65	Renew vandal proof light fitting – Thorn ‘Casalux’ or similar premium quality single 18 watt vandal proof light	Each
66	Supply and install purpose made galvanized wire cage over light fitting. Wire mesh to be 5 mm diameter at 50 mm centres (Arc mesh WG22GS) and secure over light fitting allowing for 25 mm clearance	Each
67	Renew 1200 mm ceiling fan (as approved by the Superintendent) and connect to existing wiring	Each
68	Renew 1400 mm ceiling fan (as approved by the Superintendent) and connect to existing wiring	Each
69	Renew existing exhaust ceiling fan (200 mm or 250 mm (as approved by the Superintendent) and connect to existing wiring	Each
70	Log book and survey – survey building (typical community hall, recreation centre, library, office building and the like). Identify and document RCD’s exit and emergency light location and circuit designation as required by Australian Standards. Provide complete ‘multi purpose’ bound log book with replaceable pages to cover a five (5) year period in a format as approved by the Superintendent	Each
71	Log book update – renew replaceable bound pages in existing log book when full for a further 5 years, replace any other worn pages, covers and the like	Per Book
72	Angular adjustment of pole mounted fittings – re focus floodlight on 11 metre pole with 4.5 metre outreach arm	Each
73	Disconnect hot water system for replacement by others	Each
74	Reconnect hot water system replaced by others	Each
75	Disconnect existing commercial stove, install new and reconnect. (Stove is pre delivered to site by others)	Each
76	Remove debris, streamers from ceiling fan and adjust blades as required	Each
77	Replace photo electrical cell (typical HPM PE 170 or similar)	Each
78	Replace digital time clock (typical Grasslin Digi 20 or similar)	Each
79	On site meeting report – onsite meeting with ratepayers or City staff by experienced, senior qualified electrician, Consultant to assist and provide City staff with information and advice. Allow for 1.50 hours on site and possible written follow up report	Each
80	Budget and feasibility reports – prepare report for the City to be used for budgeting purposes or feasibility studies, providing options and costs. The Contractor may be required to attend a site visit for load calculations and should allow two (2) hours in total	Each
81	Testing and tagging – testing of leads and appliances and attachment of appropriate tag	Each
82	Replace cable pit – excavate and remove existing damaged cable pit up to 800 mm x 800 mm x 1200 mm. Supply and install replacement pit and install 100 mm x 100 mm concrete pillar around perimeter	Each
83	Renew 70 watt MH/HPS lamp - metal halide or high pressure sodium lamp	Each
84	Renew second (2nd) 70 watt MH/HPS lamp - metal halide or high pressure sodium lamp	Each
85	Renew 125 watt mercury vapour lamp	Each

ITEM	DESCRIPTION	UOM
86	Renew second (2nd) 125 watt mercury vapour lamp	Each
87	Renew 100 watt metal halide lamp	Each
88	Renew second (2nd) and subsequent 100 watt metal halide lamp	Each
89	Renew 150 watt metal halide lamp	Each
90	Renew second (2nd) and subsequent 150 watt metal halide lamp	Each
91	Renew 250 watt metal halide lamp	Each
92	Renew second (2nd) and subsequent 250 watt metal halide lamp	Each
93	Renew 400 watt metal halide lamp	Each
94	Renew second (2nd) 400 watt metal halide lamp	Each
95	Renew 1000 watt metal halide lamp	Each
96	Renew second (2nd) and subsequent 1000 watt metal halide lamp	Each
97	Renew 1500 watt metal halide lamp in existing light fitting	Each
98	Renew second (2nd) and subsequent 1500 watt metal halide lamp	Each
99	Renew 70 watt high pressure sodium lamp	Each
100	Renew 100 watt or 110 watt high pressure sodium lamp	Each
101	Renew 150 watt high pressure sodium lamp	Each
102	Renew 250 watt high pressure sodium lamp	Each
103	Renew 400 watt high pressure sodium lamp	Each
104	Renew 500 watt tungsten halogen lamp	Each
105	Renew 1000 watt or 1500 watt tungsten halogen lamp	Each
106	Renew 2000 watt metal halide single ended lamp	Each
107	Renew second (2nd) and subsequent 2000 watt metal halide lamp	Each
108	Floodlight adjustment night – realign and adjust as directed up to four (4) floodlights after hours	Each
109	Floodlight adjustment day – realign and adjust as directed up to four (4) floodlights after hours	Each

**SCHEDULE OF MISCELLANEOUS RATES**

<b>ITEM</b>	<b>DESCRIPTION</b>	<b>UOM</b>
1	Scheduled labour rate of Electrician – to be included where necessary with all non-scheduled work	Per hour
2	Scheduled labour rate of Trade Assistant – to be included where necessary with all non-scheduled work	Per hour
3	After hours 'call out' rate for Electrician - to be charged for all after hours calls to 'make safe' only	Per Call
4	After hours labour rate of Electrician – to be included where work is required or programmed for after hours	Per hour
5	Scheduled labour rate of Trade Assistant – to be included where work is required or programmed for after hours	Per hour
6	Labour rate for Data Technician – ordinary hours	Per Hour
7	Labour rate for Assistant Data Technician – ordinary hours	Per Hour
8	Labour rate for Data Technician – after hours programmed work	Per Hour
9	Labour rate for Assistant Data Technician – after hours programmed work	Per Hour
10	Plant hire - cost plus percentage. Includes cherry picker and equipment for heights above 5 metres	%
11	Unscheduled material - cost plus percentage. Material used not itemised in schedule of rates	%

## SUMMARY OF TENDER SUBMISSIONS

[illegible]

Respondent & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Contract Price (Excluding materials)	Rank
		Demonstrated experiencing providing similar services	Demonstrated understanding of the required tasks	Capacity	Social and economic effects on the local community			
High Speed Electrics All requirements have been met.	Yes	Demonstrated experience in mainly undertaking installation & upgrade projects. It currently provides similar services to the City of Perth. The company is the City's current Contractor for the maintenance of ornamental streetlights and has a good understanding of the City's expectations and work methodology through this contract.	The company demonstrated a good understanding of the requirements. A flow chart described the process of job to payment. The response also addressed stock of spare parts, response times, access to plant and equipment, programming of works, temporary protection measures and the testing process.	In operation for 40 <sup>+</sup> years with 19 staff including 8 electricians. An organisational chart was supplied and supported by the qualifications & experience of all staff. Details of the specialised equipment, vehicles and traffic management equipment of the company were provided. After hours contact and additional resources was not specifically addressed. A brief safety policy was provided. It has a safety management system, but this was not supplied. The company has had no safety incidents in the past 10 years.	The company is located in Malaga.  It has current staff who reside in the City and uses local businesses.	68.5%	\$4,621,046	2

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Respondent & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Contract Price (Excluding materials)	Rank
		Demonstrated experiencing providing similar services	Demonstrated understanding of the required tasks	Capacity	Social and economic effects on the local community			
<p>Enviro Contracting</p> <p>All requirements have been met.</p>	Yes	The company demonstrated experience in providing similar services to 2 real estate agencies and a commercial property company. Other experience detailed was for construction projects. References were listed in the resumes of the key personnel, however the only reference of the company's work was in a reference letter.	Enviro Contracting demonstrated sufficient understanding of the requirements. It supplied a sample contract management plan which addressed testing, tagging, communication, working hours, training and included examples of service reports.	In operation for 12 months as a combined construction and electrical company. It has up to 20 full-time staff. A list itemised each staff members name, role & length of service. This was further supported by more detailed information on 4 key personnel. A full list of equipment was provided. After-hours contacts were supplied. No specific response addressed the source of additional personnel. A safety policy and brief details of procedures and job hazard analyses was supplied with the safety record of 2011.	<p>The company is located in Bibra Lake.</p> <p>Uses local suppliers where possible.</p>	53.8%	\$3,301,848	4

<b>Respondent &amp; Description of Response</b>	<b>Is it Compliant? Yes or No</b>	<b>Comment Against Criteria</b>				<b>Evaluation Score</b>	<b>Estimated Contract Price (Excluding materials)</b>	<b>Rank</b>
		<b>Demonstrated experiencing providing similar services</b>	<b>Demonstrated understanding of the required tasks</b>	<b>Capacity</b>	<b>Social and economic effects on the local community</b>			
Vision Cabling Systems	Yes	The company provided four examples of work completed demonstrating its experience. These were all project based works. None were for a maintenance contract similar to the City's requirements; however the company has completed work for the City of South Perth.	The response addressing the company's understanding of the requirements addressed job prioritisation, scheduling in computer system, order of materials, photos of jobs and invoicing. The response was not as comprehensive as the higher scored Respondents and did not address the actual work undertaken, but administrative processes that support the works completed on site.	In operation since 2005 with an unknown number of staff. An organisational chart was supported by details of six key personnel. A brief list of equipment was supplied. After-hours contact is supplied from staff on roster. Additional resources were not addressed. An environmental health and safety plan and job safety analyses (JSA's) were supplied. No safety record was supplied.	The company is located in Osborne Park.	48.2%	\$6,208,807	5
All requirements have been met.					No response was supplied to this criterion.			

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Respondent & Description of Response	Is it Compliant? Yes or No	Comment Against Criteria				Evaluation Score	Estimated Contract Price (Excluding materials)	Rank
		Demonstrated experiencing providing similar services	Demonstrated understanding of the required tasks	Capacity	Social and economic effects on the local community			
CPD Group Pty Ltd  All requirements have been met.	Yes	CPD Group Pty Ltd did not adequately demonstrate experience providing similar services to the City's requirements. 12 contracts were listed, however the scope of these did not state if electrical services was part of the contract. Some were listed as 'general maintenance'. No dates were supplied, so it was not clear how recent the work was undertaken. References included the Cities of Fremantle, Vincent and Gosnells.	The company did not adequately demonstrate an understanding of the requirements. The methodology supplied did not address electrical work. The focus was more on construction work, safety and JSA's	In operation since 1994 with more than 100 staff. The structure of the business was supplied. Information on two key personnel was supplied (the Director and electrical Manager). No information was provided of the electricians actually undertaking the work. An equipment list was supplied. The after-hours contact is the electrical manager. It was stated that the company has the ability to call upon additional resources, but the source was not provided. No information was supplied on safety.	The company is located in Welshpool.  This criterion was not addressed.	35.6%	\$3,195,756	7