

TENDER 014/18 PROVISION OF IRRIGATION ELECTRICAL SERVICES

**SCHEDULE OF ITEMS**

| Item  | Description  | UOM  |
|---|--|------|
| <b>Inspections, Fault Diagnosis and Repairs</b> |  |      |
| 1   | Qualified electrician (normal working hours)   | hour |
| 2   | Qualified electrician (after hours, including weekends and public holidays)                | hour |
| 3   | Labourer (normal working hours)  | hour |
| 4   | Labourer (after hours, including weekends and public holidays)                             | hour |
| 5   | Service charge / call out fee (if applicable)  | each |
| 6   | Certified irrigation controller / field technician (rainbird site-control, hunter, signal) | hour |
| 7   | Materials / parts mark-up (percentage)   | %    |
| <b>Miscellaneous</b>                            |  |      |
| 8   | Portable generator set, suitable size to operate 11 kW flood pump (permanent standby)      | hour |
| 9   | Excavator hire (1.5 tonne)   | hour |
| 10  | VSD - Vacon 11kW to 15kW   | unit |
| 11  | VSD - SEW 11kW to 15kW   | unit |
| 12  | VSD - Danfoss 11kW to 15kW   | unit |
| 13  | Soft Starters Aucom CSX type (or equivalent) 11kW to 15 kW                                 | unit |
| 14  | Sine Wave Filters 11kW to 15kW   | unit |
| 15  | Concrete Pits FC06 (or equivalent)   | unit |
| 16  | Concrete Pits FC12 (or equivalent)   | unit |

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## SUMMARY OF TENDER SUBMISSIONS

| Tenderer & Description of Response  | Is it Compliant? Yes or No | Comment Against Criteria  |   |  |  | Evaluation Score | Price       | Rank |
|---|----------------------------|---|---|--|--|------------------|-------------|------|
|   |                            | Capacity  | Demonstrated experience in completing similar projects  | Demonstrated understanding of the required tasks   | Social and economic effects on the local community   |                  |             |      |
| <p>Triton Electrical Contractors Pty Ltd</p> <p>All requirements have been met.</p> | Yes                        | <p>It has been in business for 10 years providing specialised service in electrical irrigation and central control systems. It employs three electricians, one service technician, a safety and asset manager and one office manager. The roles, qualifications and experience of all staff were provided and demonstrated extensive training in irrigation control systems. Staff are available 24 hours a day. An after-hours contact number was not supplied. The company holds valid accreditation and professional membership with the ability to source more personnel if required. A detailed list of specialised equipment was supplied. It operates with its own quality management system and included a copy of its health safety and quality management manual.</p> | <p>It demonstrated considerable experience in providing similar services for local governments and private organisations. Similar works undertaken include the supply, installation and maintenance of irrigation electrical infrastructure for the City of Wanneroo sites, install and removal of existing controllers and irrigation equipment for Town of Victoria Park, and supply, install and maintenance of irrigation switchboards for Cities of Melville and Belmont. It has provided irrigation electrical services to the City since 2009. Dates and referee contacts were provided.</p> | <p>It demonstrated a thorough understanding of required tasks by submitting a comprehensive methodology outlining key tasks. It provided a job management system which provides real time data on appointments, work schedules, work progress, images, circuit diagrams, job priority and safety forms. The client also has 24-hour access to an online portal system advising of all job details. It maintains knowledge of the City's processes and procedure, and irrigation system. A timeline for replacement installations, and maintenance works was provided</p> | <p>It operates a fully serviced workshop based in Joondalup.</p> <p>It utilises local suppliers to source parts, materials and equipment. Majority of its employees reside within the City and the company donates to local community or sporting groups each year with current beneficiaries including the Joondalup Little Samurais.</p> | 79.4%            | \$1,248,895 | 1    |

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|                                    |                            | Capacity   | Demonstrated experience in completing similar projects   | Demonstrated understanding of the required tasks   | Social and economic effects on the local community   |                  |             |      |
| Northlake Electrical Pty Ltd       | Yes                        | It was established in 1985. It is well equipped for the manufacture and fabrication of switchboard irrigation cabinets. Its organisational chart indicates six qualified electrical tradesmen with industry experience and skills of all staff provided. An extensive list of relevant equipment, plant and machinery was supplied including rolling stock available to support maintenance works. Two personnel were nominated as the afterhours contacts. It has the ability to meet additional resources and personnel, if required. A chart of its current project workload indicated its capacity to meet this contract. The company has its own quality management system and a safety and health policy in place. It has had no major injuries within its 32 years of trading. A copy of its safety management plan and safe work methods was provided. | It demonstrated its extensive experience in providing irrigation pump switch board construction and maintenance to multiple organisations including Cities of Cockburn (1987 - ongoing), Fremantle (2017 – ongoing), Kwinana (2016 - ongoing), Melville Town of Bassendean (March 2018), Western Irrigation Pty Ltd (ongoing), and multiple sites through the WA government Department of Finance (2014 - ongoing). Scope of work, periods and dates, and multiple referee contacts were provided. | The company demonstrated a thorough understanding of the required tasks specific to irrigation pump switch board construction and maintenance. It provided an outline of its approach and processes of task delivery once contract is assigned. Tasks include stakeholder meetings, work orders, automation of material, job and cost handling, reporting and performance. Further technical, electrical and manufacturing tasks were also detailed including liaising with Western Power for the disconnection / reconnection of the existing power supply. | It is currently location in Jandakot.<br><br>It will endeavour to employ local personnel and source all required parts from local suppliers. It currently has business relationships with key suppliers within the City. | 71.1%            | \$1,358,610 | 2    |
| All requirements have been met.    |                            |  |  |  |  |                  |             |      |

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| Wired West Electrical Contracting Pty Ltd | Yes                        | Wired West was established in 2017 by the current Director who also employs an apprentice and a Health and Safety Advisor. The Director's after-hours contact was provided and maintains basic equipment to meet installation and maintenance requirements, with a backup reliance through other providers who hire out similar equipment. Although a small company, it proposed to employ more staff in order to meet City requirements. The Director's skills and experience within local government and knowledge in irrigation and pump control services was provided. Its health safety and environmental policy statement was cited and its safer work method and management plan was included. | Wired West provided evidence of previous work to demonstrate previous similar experiences completed at four sites for Horizon West Irrigation Pty Ltd and five sites for the City of Wanneroo. All works involved full design, supply and installation of an irrigation control system. However, the size and length of the projects are of relatively smaller size when compared to the City's maintenance requirements. Periods and dates of contracts including referee contact details were provided | Wired West demonstrated a sound understanding of the required tasks by outlining its methodology and approach for installation and maintenance in accordance with City's request. Tasks cover fault finding diagnosis and repairs, approval of materials and supply of parts and interaction with Western Power and other contractors of the City's behalf. | The company is based in Wangara.<br><br>Wired West will use local suppliers and subcontractors as relevant. Many of these suppliers were identified in its submission. | 63.7%            | \$1,293,522 | 3    |
| All requirements have been met.           |                            |   |  |   |  |                  |             |      |

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|   |                            | Capacity   | Demonstrated experience in completing similar projects  | Demonstrated understanding of the required tasks  | Social and economic effects on the local community   |                  |             |      |
| Mechanical and Electrical Services<br>All requirements have been met. | Yes                        | Mechanical and Electrical Services was established in 2000 currently employing 12 trades and seven officer personnel. Qualifications and evidence of licence registration for key personnel was provided although evidence showing experience in irrigation pump switch board construction and maintenance was limited. A list of specialised plant and equipment was provided including details on emergency contacts and ability to source additional personnel. Its health and safety policy and multiple safety procedure regarding risk, personal protective equipment, working at height and electrical isolation were documented. Safety statistics indicated a zero lost-time injury frequency rate to date. | Mechanical and Electrical Services demonstrated experience completing electrical and mechanical maintenance services for the Department of Defence (2017 - ongoing) and Broadspectrum (2017 - ongoing). They also demonstrated experience in installing switchrooms, electrical controls and chillers for Ecanet Engineering.in 2017. However, none of the services demonstrated similar work carried out in irrigation pump switch board construction and maintenance. Referee contacts were provided. | Mechanical and Electrical Services provided a short brief on the steps it would take in relation to irrigation pump switch board construction and maintenance. Its approach to various tasks and interaction with the City or other contractors or parts and materials was not clearly defined and the panel was only somewhat confident of its understanding and ability to achieve Contract objectives. | Its office and warehouse in located in Cockburn Central.<br><br>Mechanical and Electrical Services stated that two of its employees are resident of City of Joondalup or live within 5km of the City. If successful, it will look to engage more community members to be part of its team. | 50.9%            | \$1,438,349 | 4    |

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|   |                            | Capacity  | Demonstrated experience in completing similar projects  | Demonstrated understanding of the required tasks  | Social and economic effects on the local community  |                  |             |      |
| LD Total<br>All requirements have been met. | Yes                        | LD Total was established in 1991 servicing various landscaping disciplines including irrigation control service. It currently employs over 350 staff across all operations. An organisational chart was supplied with information on skills and experience of electrical personnel involved in industrial motor control switchboard maintenance. It provided a list of plant and equipment to be used, contingencies for breakdowns and maintenance of equipment. LD Totals safety policy and safe work methods were well detailed, with statistics evidenced in a table. | LD Total did not submit information relating to this criterion.<br><br>Referee contacts were provided for Cities of Rockingham, Wanneroo and Belmont. | LD Total demonstrated some understanding of City requirements by providing a methodology covering tasks from start of the contract. Its approach involved tasks during planned and reactive maintenance, and basic safety and work procedures. The process for new switchboards and irrigation controller installation was documented including its interaction with Synergy/Western Power. | Its has operations based in based in Burswood, Wangara, Anketell and Carabooda.<br><br>LD Total uses the electrical wholesaler Advance Electrical who is located in Joondalup. This will continue if successful for the contract. | 47.8%            | \$2,047,437 | 5    |

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|  |                            | Capacity   | Demonstrated experience in completing similar projects  | Demonstrated understanding of the required tasks   | Social and economic effects on the local community   |                  |             |      |
| Waterman Irrigation<br>All requirements have been met. | Yes                        | Waterman Irrigation is a division of its larger Industrial Automation Group that has been in operation for over 20 years. It currently employs 10 staff, three of whom are electricians with evidence of qualifications provided. An after-hours contact was provided and its health, safety and risk management policy and procedures were cited. Details of specialised equipment to be used was not supplied. | Waterman Irrigation demonstrated sound experience in completing similar services in installing and maintaining irrigation control systems for the City of Mandurah (install in 2011) and the Town of Port Hedland (install and maintenance 2014 ongoing). Referee contacts were provided for the above two projects and for the Shires of Coolgardie and Coorow and VenuesWest. | Waterman Irrigation's response demonstrated an understanding of required tasks on the basis of its years of experience manufacturing and installing control panels and switchboards. Although this may be adaptable to the requirements of this RFT, the brief information did not contain a clear methodology or approach to provide the panel with confidence in Waterman's irrigation's ability to achieve contract objectives. | The company is based in Joondalup<br><br>Waterman Irrigation is based in the City and has been providing work experience for students who end up in employment. It also interacts with the local TAFE and Edith Cowan University on various matters. | 47.0%            | \$1,369,576 | 6    |