EXPRESSION OF INTEREST (EOI)

FOR

Aerobic Treatment Unit (ATU)

KWtE-03-PR-EO-ACC-0 Rev01 01

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1 Project overview

ACIONA’s Engineering, Procuring & Construction (EPC) contract will deliver the first of its kind in Australia, a $700 million project in the Kwinana Industrial Area which will process up to 400,000 tonnes a year of household waste. Using best practice technologies and processes, the facility will export an estimated 36MW of electricity back to the grid – enough to power around 50,000 homes.

2 Summary of package

Supply, testing, delivery and Assembly of the Aerobic Treatment Unit (ATU).

3 Standards applicable to the Project

AS ISO 1000 1998 The International System of Units (SI) and its application

AS 1319 1994 Safety signs for the occupational environment

AS 1100.101 1992 Technical drawing

AS 1101.1 (set) 2007 Graphical symbols for general engineering

AS 1269 (set) 2005 Occupational noise management

AS/NZS 1336 2014 Eye and face protection – guidelines

AS 1580 (set) 2002 Paints and related materials

AS 1657 2013 Fixed platforms, walkways, stairways and ladders – Design, construction and installation

AS 1715 2009 Selection, use and maintenance of respiratory protective equipment

AS 1716 2012 Respiratory protective devices

"AS/NZS 2243.2 (set)" 2006 Safety in laboratories – Chemical aspects

AS 2436 2010 Guide to noise and vibration control on construction, demolition and maintenance sites

AS 2700 2011 Colour standards for general purposes
AS 2812 2005 Welding, brazing and cutting of metals - glossary of terms
AS 3545 2004 Welding positions
AS/NZS 4501.1 2008 Occupational protective clothing - Guidelines on the selection, use, care and maintenance of protective clothing
AS/NZS ISO 9000 2016 Quality management systems - Fundamentals and vocabulary
AS/NZS ISO 9001 2016 Quality management systems - Requirements
AS/NZS ISO 31000 2009 Risk management - Principles and guidelines
AS/NZS ISO 817 2016 Refrigerants - designation and safety classification
AS 1065 1988 Non-destructive testing - ultrasonic testing of carbon and low alloy steel forgings
AS 1074 1989 Steel tubes and tubulars for ordinary service
AS 1110.1 (set) 2015 ISO metric hexagon bolts and screws - Product grades A and B - Part 1: Bolts
AS 1111 (set) 2015 ISO metric hexagon bolts and screws
AS 1112 (set) 2015 ISO metric hexagon nuts
AS 1163 2016 Cold-formed structural steel hollow sections
AS 1171 1998 Methods for magnetic particle testing of ferromagnetic products and components
AS/NZS 1214 2016 Hot-dip galvanized coatings on threaded fasteners
AS 1237.1 (set) 2002 Plain washers for metric bolts, screws and nuts for general purposes - General plan
AS 1349 1986 Bourdon tube pressure and vacuum gauges AS 1275 1985 Metric screw threads for fasteners
AS/NZS 1365 1996 Tolerances for flat-rolled steel products AS 1394 2001 Round steel wire for ropes
AS 1397 2011 Continuous hot-dip metallic coated steel sheet and strip - Coatings of zinc and zinc alloyed with aluminium and magnesium
AS 1432 2004 Copper tubes for plumbing, gas fitting and drainage applications AS 1450 2007 Steel tubes for mechanical purposes
AS/NZS 1477 2017 PVC pipes and fittings for pressure applications
AS 1559 2018 Hot-dip galvanised steel bolts and associated nuts and washers for tower construction
AS/NZS 1567 1997 Copper and copper alloys - Wrought rods, bars and sections
AS 1569 1998 Copper and copper alloys - seamless tubes for heat exchangers
AS/NZS 1571 1995 Copper - seamless tubes for air-conditioning and refrigeration
AS/NZS 1594 2002 Hot-rolled steel flat products
AS 1627.1 (set) 2003 Metal finishing - preparation and pre-treatment of surfaces
AS 1628 1999 Water supply - metallic gate, globe and non-return valves
AS 1683.1 (set) 2002 Methods of test for elastomers
AS 1710 2007 Non-destructive testing of carbon and low alloy steel plate - test methods and quality classifications
AS 1722.2 1992 Pipe threads of Whitworth form - Fastening pipe threads
AS 1830 2007 Iron castings - grey cast iron
AS 1831 2007 Double cast iron
AS 1929 2009 Non-destructive testing - glossary of terms
AS 2062 1997 Non-destructive testing - penetrant testing of products and components
AS 2083 2005 Calibration blocks and their method of use in ultrasonic testing
AS 2084 1987 Non-destructive testing - eddy current testing of metal tubes
AS 2177 2006 Non-destructive testing - radiography of welded butt joints in metal
AS 2207 2007 Non-destructive testing - ultrasonic testing of fusion webbed joints in carbon and low alloy steel
AS/NZS 2280 2014 Ductile iron pipes and fittings
AS 2452.3 2005 Non-destructive testing
AS 2528 1982 Bolts, stud bolts and nuts for flanges and other high and low temperature applications
AS 2544 1995 Grey iron pressure fittings
AS 2554 1998 Hose and hose assemblies for air
AS/NZS 2574 2000 Non-destructive testing - ultrasonic testing of steel castings and classification of quality
AS/NZS 2728 2013 Pre-finished/pre-painted sheet metal products for interior/exterior building applications - performance requirements
AS 2824 2003 Non-destructive testing - ultrasonic methods - evaluation and quality classification of metal bearing bonds
AS 3566.1 2002 Self-drilling screws for the building and construction industries AS 3791 1991 Hydraulic hose
AS/NZS 4130 2009 Polyethylene (PE) pipes for pressure application
AS 4131 2010 Polyethylene (PE) compounds for pressure pipes and fittings
AS 4291.1 (set) 2015 Mechanical properties of fasteners made of carbon steel and alloy steel
AS 4343 2014 Pressure equipment - hazard levels
AS/NZS 4534 2006 Zinc and zinc/aluminium-alloy coatings on steel wire
AS 1627.1 (set) 2003 Metal finishing - preparation and pre-treatment of surfaces
AS/NZS 4791 2006 Hot-dip galvanized (zinc) coatings on ferrous open section
AS/NZS 4792 2006 Hot-dip galvanized (zinc) coatings on ferrous hollow sections, applied by a continuous or a specialised process
AS ISO 9712 2014 Non-destructive testing - qualification and certification of NDT personnel - General procedures
AS/NZS 1336 2014 Eye and face protection - guidelines
AS 1657 2013 Fixed platforms, walkways, stairways and ladders - Design, construction and installation
AS 1715 2009 Selection, use and maintenance of respiratory protective equipment AS 1716 2012 Respiratory protective devices
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