

DBNGP(WA) Nominees Pty Limited

Pluto Inlet Meter Station

Package Name	Construction of Pluto Inlet Gas Metering Station														
Package Number	23-6024														
Scope of Supply	<p>The Upgrade Construction Works at the existing AGIG Pluto Inlet Station compound includes the offsite fabrication and onsite construction of:</p> <ul style="list-style-type: none"> • Two DN350 600# pressure reduction skids • DN350 inter-connecting pipework, valves and insulation joint • Installation of a new RTU panel • Reconfiguring of the existing Communications Rack • Establishment of a new primary Fiber Option and secondary 4G communication link with Pluto Train 2 DCS, and • Installation of new earth grid • . <p>to establish a new 250TJ/day bypass around the existing Pluto Compressor.</p> <p>Civil / Structural Scope of Work:</p> <ul style="list-style-type: none"> • Earthworks for new buried services • Onsite installation of precast concrete footings • Fabrication, testing, inspection and surface treatment of two pressure reduction skid bases and pipe supports <p>Mechanical / Piping Scope of Work:</p> <ul style="list-style-type: none"> • Offsite fabrication, testing, inspection and surface treatment of DN350 pipe spooling • Assembly of two pressure reduction skids each incorporating globe style control valves, actuated butterfly and ball valves, manual ball valves, pressure reduction panels and instrumentation • On site installation of interconnecting pipework, actuated and manual ball valves and one insulation joint upstream of the DBNGP • Fabrication, testing, inspection and surface treatment of one tie in spool to replace an existing drop out spool <p>Instrument & Control Scope of Work:</p> <ul style="list-style-type: none"> • Assembly and installation of pressure reduction panels both on the pressure reduction skids and the interconnecting pipework • Supply, installation and testing of cabling within the skids and interconnecting pipework through to the existing Control Hut, • Installation of a new slim line RTU panel and associated wiring • Modification of the existing Communications Rack • Relocation of existing Air Conditioner unit • Installation of new wiring within the existing Control Hut • Installation of new fiber option cabling and associated hardware • Installation and testing of a new earth grid 														
Specifications and Standards:	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #cccccc;"> <th style="text-align: left;">Discipline</th> <th style="text-align: left;">Document Number</th> <th style="text-align: left;">Document Title</th> </tr> </thead> <tbody> <tr> <td>Piping</td> <td>TEB-002-0004-01</td> <td>Piping Guide and Rationalised Piping Materials Specification</td> </tr> <tr> <td>Coating</td> <td>TEB-002-0005-01</td> <td>Technical Specifications: Coating Systems for pipe & steel works</td> </tr> <tr> <td>Construction</td> <td>TEB-002-0006-01</td> <td>Facilities Construction Specification</td> </tr> </tbody> </table>			Discipline	Document Number	Document Title	Piping	TEB-002-0004-01	Piping Guide and Rationalised Piping Materials Specification	Coating	TEB-002-0005-01	Technical Specifications: Coating Systems for pipe & steel works	Construction	TEB-002-0006-01	Facilities Construction Specification
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Construction	TEB-002-0006-01	Facilities Construction Specification													

	TEB-002-0009-01	Lateral Construction Specification
Instrumentation and Electrical	TEB-007-0001-01	DBNGP Earthing Philosophy
	TEB-002-3501-01	Technical Specification for General Electrical.
	TEB-002-3502-01	Technical Specification for Cable and Cable Installation.
	TEB-002-3503-01	Technical Specification for Control system cabinets and marshalling cabinets
	TEB-002-3513-01	Technical Specification for Electrical Testing.
	TEB-002-3552-01	Technical Specification for Instrumentation Installation and Testing.
	TEB-002-3551-01	Technical Specification for General Instrumentation Equipment.
Civil	TEB-002-0007-01	Civil Works Specification.

Discipline	Document Number	Document Title
Pipeline	A2885	Pipelines – Gas and liquid petroleum.
Stations	ASME B31.3	Process Piping.
Pressure Vessel	AS1210	Pressure Vessels.
	AS3788	Pressure Equipment – In service Inspection.
	AS3920.1	Assurance of Product Quality Part 1: Pressure Equipment Manufacture
	AS4343	Pressure Equipment – Hazard Levels
Valves	ASME 16.34	Valves – Flanged, Threaded and Welding End.
	API 6D	Specification for Pipeline Valves.
	API 607	Fire Test for Soft-Seated Quarter-Turn Valves.
	API 6FA	Specification for Fire Test for Valves.
	API 6FD	Specification for Fire Test for Check Valves.
Pressure Relief Valves	AS1271	Safety Valves, other Valves, Liquid Level Gauges and other Fittings for Boilers and Unfired Pressure Vessels.
Stud Bolts and Nuts	AS/NZS 4680	Hot-Dip galvanized (Zinc) Coatings on Fabricated Ferrous Articles

	ASTM A 123	Specification for Zinc (Hot Dip Galvanized) Coatings on Iron & Steel Products
Line Pipe	API 5L	Specification for Line Pipe.
Flanges	ASME B16.5	Pipe Flanges and Flanged Fittings NPS ½ Through NPS 24 Metric / Inch Standard.
Civil Structures	AS1170.0	Structural design actions - General Principles.
	AS1170.1	Structural design actions - Permanent, imposed and other actions
	AS1170.2	Structural Design Actions – Wind Loads.
	AS1170.4	Minimum Design Loads on Structures – Earthquake Loads.
	AS3600	Concrete Structures.
	AS4100	Steel Structures.
	AS1657	Fixed platforms, walkways stairways and ladder – Design, construction and installation.
Cathodic Protection	AS2832	Cathodic Protection of Metals
	BS7361.1	Cathodic Protection Part 1: Code of Practice for Land and Marine Applications.
	NACE RP0169-96	Control of External Corrosion on Underground or Submerged Metallic Piping Systems.
Lightning Protection	AS1768	Lightning Protection.
Pipe Coating	AS3862	External Fusion-Bonded Epoxy Coating for Steel Pipes.
Surge Protector	AS4117	Surge Protective Devices for Telecommunication Appliances.
	AUSTEL TS009	Installation Requirements for Customer Coding.
Electrical Equipment	AS/NZS 3000	Electrical Installations (SAA Wiring Rules).
	AS1020	The Control of Undesirable Static Electricity.
	AS1680.1	Interior Lighting – General Principles and Recommendations.
	AS/NZS 1768	Lightning Protection

	AS1939	Degrees of Protection Provided by Enclosures for Electrical Equipment.
	AS/NZS 60079 (set)	Electrical Apparatus for Explosive Gas Atmosphere
	AS 3008.1	Electrical installations - Selection of cables - Cables for alternating voltages up to and including 0.6/1 kV - Typical Australian installation conditions
	AS3080 (set)	Telecommunications installations
	AS4853	Electrical Hazards on Metallic Pipelines.
	AS / NZS 5033	Installation and safety requirements for photovoltaic (PV) arrays.
Minimum Scope of Work Requirements:	Capability to undertake the following works: <ul style="list-style-type: none"> - Civil / Structural - Fabrication (Mechanical & Piping), - Instrumentation & Control - Communications 	
Contact:	Andie Pfaff (Supply Chain Consultant) Industry Capability Network Western Australia T: (+61 8) 9365 7442 Please Note: <ul style="list-style-type: none"> • This is a request for specific expressions of interest, vendors and contractors will be considered for prequalification and / or tender if suitably qualified. • For general expressions of interest please ensure you are registered with Industry Capability Network Western Australia. 	
Enquiries	For more information about the scope of work please contact David Kueh via email, david.kueh@agig.com.au.	
Closing Date:	12 September 2023	