



Balla Balla Infrastructure Project

Iron Ore Project – Expression of Interest

Project Overview:	BBI Group Pty Ltd (BBIG) is proposing a fully integrated port and rail system servicing mining operations in the Pilbara region of Western Australia the Balla Balla Infrastructure Project (BBI Project). An overview of the project is available at www.bbip.icn.org.au
Package Title:	Geotechnical Drilling
Reference:	BBIGN-CTA-GE-EOI-0021
Package Description:	Provision of Geotechnical drilling services to be undertaken at the proposed Balla Balla Port in May 2019 in line with the attached Geotechnical Drilling Guidelines.
Target Award Date:	May 2019
Expression of Interest (EOI):	Contractors are invited to express an interest in this scope of work by registering on the ICN Gateway online platform. Please ensure that your ICN Gateway company profile is up to date before registering your EOI.
EOI Closing Date:	30 st April 2019
Contact:	Industry Capability Network of Western Australia. (+618) 9365 7490
Project URL's:	For more information about BBI Group please refer to the company website www.bbip.com.au For information on specific project opportunities please visit the ICN Gateway online platform at gateway.icn.org.au
Disclaimer:	This package description and target award date is indicative only and subject to change. It is intended to provide only a brief outline of certain works that may be required for the proposed BBIP and should be read in conjunction with the BBIP description on the ICN Gateway.



Site Cyclone Plan – Karratha

Geotechnical Drilling Guidelines

01-04-2019

BBIGN-CTA-GT-GDL-0001

BBIG, Level 3, 151 Macquarie Street, Sydney, 2000 NSW

Rev #	Date	Reviewed By	Signature
A	01-04-2019		

Note: Draft versions have an alphabetical revision such as A, B, C, etc whereas final versions have a numerical revision such as 0, 1, 2, etc. First final version is always 0.



Geotechnical Drilling Guidelines

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1 Introduction

Balla Balla Infrastructure Group (BBIG) is proposing to develop the Balla Balla Infrastructure Project (BBIP), an integrated port and rail infrastructure system. The Balla Balla port site is located approximately halfway between Dampier and Port Hedland near Whim Creek. The Project comprises the following facilities:

- a) a port facility;
- b) a single-track standard gauge railway; and
- c) miscellaneous support infrastructure at the Port.

BBIG are proposing to undertake a suite of geotechnical investigation campaigns in the port commencing in May 2019. The work includes, but not limited to, geotechnical drilling and recovery of sediment samples (via core drilling), test pits, and undertaking site water investigations (via water bore drilling). The below sets out the minimum drilling requirements to undertake the works.

2 Requirements

The Contractor must provide all necessary plant, labour, supervision, and materials to undertake the proposed drilling works at the Balla Balla Port. The list of requirements below is a non-exhaustive list, it is the responsibility of the Contractor to ensure that they review the requirements and provide all necessary elements to safely execute the works.

2.1 General

The Contractor must be experienced in undertaking similar works within the Pilbara region, including in-house equipment, experienced drilling crews (minimum of 3 person crews), management and supervision, proven methods, and management systems. The Contractor is responsible for demonstrating capability to undertake the works prior to execution of an Agreement.

2.2 Health, Safety and Environment

The Contractor must ensure the works are carried out in accordance with all applicable occupational safety, health and environmental regulations, and codes of practice and standards.

The Contractor is responsible for developing project site specific management plans and risk registers including, but not limited to, Health and Safety, Environmental, Emergency Response, and Traffic Management Plans. Plans must be provided to BBIG for review and comment prior to the commencement of the works. All amendments required by BBIG must be incorporated into the management plans prior to the Contractors mobilisation to Site.

2.3 License and Insurances

The Contractor must provide and maintain all necessary licenses and insurances to carry out the works. This includes, but is not limited to:

- a) Licensed and experienced WA based water bore driller (Class 1 or 2) with proven experience in the Pilbara region of WA.



Geotechnical Drilling Guidelines

- b) Secure and maintain all necessary project insurances as identified in the Agreement including, but not limited to, Public Liability, Workers Compensation, Vehicle, loss of equipment, etc.

2.4 Equipment Requirements

The Contractor must, at a minimum, provide the following equipment:

2.4.1 Geotechnical Drilling

- a) Dedicated track mounted geotechnical drill rig capable of working within rough Pilbara terrain. Contractors drill rig must, at a minimum, provide the following:
 - I. Drill and recover HQ3 or PQ3 diamond drill core (as required) to depths of at least 100m.
 - II. Drill inclined HQ3 or PQ3 (as required) diamond cored boreholes and recover core.
 - III. All necessary equipment to drill diamond cored boreholes HQ3 or PQ3, including casing, if required.
 - IV. Provision of consumables, including but not limited to, galvanized core trays with lids, drilling fluids, lay flat, core loss foam, drill bits, casing shoes, SPT cutting tips, and all other consumables normally required by a competent geotechnical drilling contractor.
 - V. Provision of all necessary spares' parts on site to service and maintain drill rigs, equipment and support vehicles.
- b) Support vehicles capable of operating in rough Pilbara terrain and including water truck of appropriate capacity.
- c) ODEX / SYMMETRIX drill rig for drilling through loose Gravel beds.
- d) Downhole core orientation device, (e.g. Reflex ACT-III Core Orientation Tool).
- e) SPT equipment (either wireline activated or hydraulic).
- f) Downhole Shear Vane.
- g) Piston Sampler.

2.4.2 Water Bore Drilling

- a) Dedicated water bore drill rig capable of drilling 8-inch diameter wells to a depth at least 120m.
- b) Provision of all ancillary equipment to develop wells and carry out pump tests to assess bore yield.
- c) Construct wells in accordance with well design requirements (installation of casing, screens and caps).