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Request for Proposal:

CHPP Stores Shed Preliminary Design

To Whom it may concern,

We would like to request your company to provide a quote for the CHPP Stores Shed and associated structural components relating to the Design Scope for the CHPP Stores, Access Road and LV Wash Project at Mount Pleasant Mine. Details of the required scope have been provided on subsequent pages. The Original Scope (from MACH) has also been provided for reference.

In your response can you please provide the following minimum details:

- Key Personnel
- A Schedule of Rates for design team
- Assumptions and Exclusions
- Design Schedule
- Preliminary Deliverables List
- Lump Sum Fee Estimate. Estimate to be presented as follows:

Table 1. Fee Proposal Template

ID	Scope	Hrs	Total (Excl. GST)
1.0	Preliminary Design Review - 30% Design Progress		
Total			

If you have any questions or comments, please don't hesitate to contact me at any time.

Regards,

NICHOLAS GORDON

SENIOR CIVIL ENGINEER

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1. Scope

1.1 General Requirements

The Subconsultant shall include all minor elements not expressly stated but which are required for the design to be complete, constructable, and required to fulfil the project objectives:

- The Subconsultant shall supply all resources, materials, equipment, software and services necessary to complete the scope of works.
- The Subconsultant shall provide suitably qualified and experienced personnel to deliver the design, interface with the Consultant (JBU), and provide engineering support throughout all project phases till project completion and handover.
- The Subconsultant shall develop design solutions including staged design solutions to achieve a cost effective and constructable design that fulfils these requirements of this scope of works.

1.2 Project Performance Requirements

- Design solution that fulfils the requirements of this scope of works.
- Compliance with the MACH Energy Development Consent Approvals.
- Commissioning Phase Performance Testing shall demonstrate compliance with the Functional Specification and Performance Criteria.
- Project Completion: The delivery of all project deliverables to the Consultant, the Consultant acceptance of the deliverables, and handover of the completed works to the Consultant for final delivery to MACH.

1.3 Scope Description

Mount Pleasant Operations (MPO) requires the Stores Shed and Structural Components design as part of the Detailed Design Scope for the CHPP Stores, Access Road and LV Wash Project.

The purpose of the Project is to design a fit-for-purpose Storage shed and laydown area for CHPP parts, a new LV Wash pad and new Access Road to the site, to allow the planned expansion.

The requested scope for Stores Shed and Structural Components Design will be incorporated into the overall Civil, Mechanical and Electrical Issue for Construction documents to be provided for the Project.



Figure 1. Project General Arrangement

The requested Scope of works is further detailed below:

1. Preliminary Design: Stores Shed - 30m (L) x 20m (W) x 6m (H)

Internal

- a) Proposed Racking System for stores, accessible by forklift
- b) Design to include basic slab details
- c) Emergency Eyewash/Shower location
- d) 2 x powered roller doors at both 20m ends of shed

External

- a) Concrete Aprons, typically 5m width at each accessible side (20m sides)
- b) Footings/foundations to suit 2 x Fire hydrants located external to the Shed
- c) Guttering and down pipe to a single collection point

2. Access Road – Typical Details

- a) Footing design to suit a Boom Gate with Swipe Card Access (details TBC)
- b) Footing design to suit Solar Lighting and CCTV at Boom Gate (details TBC)

3. Light Vehicle Wash Bay – Typical Details

- a) Footing design to suit Lighting and CCTV at Wash Bay (details TBC)

Note: The LV Wash Station Designer, Supplier, Installer scope includes the foundation works for the Vehicle Wash Station equipment. This design includes pits, all services & items under or embedded within the concrete foundations, including conduits, pipes and hold-down bolts.

1.4 Reference Documents

The Reference Documents, Drawings and Models are provided in Appendix B of the MACH Scope of Work MP001-2240-CIV-SOW-0002_Rev B. A link to a JBU Share Folder is provided with this RFP.

1.5 General Technical Requirements

1.5.1 Design Life

The new infrastructure must be designed the life of the mine operations (up to 2048).

1.5.2 Building Construction Requirements

- a) The Building design shall be as per AS/NZ Standards and Mount Pleasant Building Construction Requirements Specification MP001-0000-STR-SPC-0002

1.5.3 Structural Concrete

- a) The Concrete design shall be as per AS/NZ Standards and Mount Pleasant Structural Concrete Specification MP001-0000-CIV-SPC-0001.

1.5.4 Structural Steelwork

- b) The Structural Steelwork design shall be as per AS/NZ Standards and Mount Pleasant Structural Steelwork Specification MP001-0000-STR-SPC-0001.

1.5.5 Installation / Operations / Maintenance Access:

- a) The design must provide access for installation, operations and maintenance of the equipment and access to the CHPP Stores Building.
- b) The design must demonstrate safe access is provided

1.6 BATTERY LIMITS

The battery limits include the following:

- a) Sub-Grade of concrete foundation designs – Sub-grade strength requirements shall be provided to JBU to incorporate into the Civil Design components and Specifications as required.
- b) 3D setout of surrounding earthworks levels are not included within the requested Scope.

1.7 Exclusions

- Construction & Commissioning of the new infrastructure.

2. Delivery Methodology

The following methodology will be used to deliver to the required scope:

2.1 Preliminary Design Review PDR – 30%

The PDR phase will take preliminary outputs provided by the JBU (civil/mech) and the LV Wash Station Designer to advance the design.

The Design and Engineering activities will be focused on investigating a suitable design solution for the above scope of work and align with the project requirements.

This phase shall consist of the following activities:

- a) Kick-off meeting.
 - b) Internal project team coordination and Mach Energy staff meetings.
 - c) Reviewing available information
 - d) Input to SiD register
 - e) Developing the Design to 30% detail
 - f) Develop typical details drawings and structural layouts to allow fire and electrical detailed designs (by others)
- a) Fixed price for Design, Supply and Install of all structural components

3. Milestone Dates

The Subconsultant is to provide a design execution schedule that considers the milestone date from MACH (Table 2) and that allows sufficient time for QA and processing information by the Consultant.

Table 2. Design Milestone Date (MACH)

Milestone	Date
Award of Contract (Commencement Date)	14 th February 2025
30% Design Complete	27 th March 2025