

Date: 27/11/2023

Project Title: Snowy 2.0 – Future Generation Joint Venture

Project Description: Webuild, Clough and Lane trading as Future Generation Joint Venture (Future Gen) is a main contractor of Snowy 2.0 EPC Project. The Project is a pumped hydro project that will increase the generation capacity of the Snowy Mountains Scheme by up to 2,000MW and at full capacity will provide approximately 350,000MW/h of energy storage. The project includes all activities associated with the requirements for the Snowy 2.0 Pumped Hydro-electric Scheme.

Opportunity Title: Future Generation Joint Venture (FGJV) would like to engage a company with proven experience in surveying activity for underground and surface works.

Opportunity Description: The vendor is required to state its interest for the for the following scope of work,

TBM SUPPORT

- Traversing control and FGJV Senior surveyors will employ our own resources to check Gyroscopic alignment detailed in level 3 and work together with the subcontractor for data only checks performed either in house or independently periodically throughout the drive.
- Control bracket install.
- Secondary control install and verification as required to complete tunnel works.
- Levelling to high accuracy within the tunnel drive either using our LS15 digital levels or that proposed by the subcontractor of a higher accuracy as required.
- RCMS or Wisen (Tri Axis Tilt sensors) install and monitoring. Where the TBM is progressing in a wet tunnel area, the sensors may need to be installed with glue by the TBM support teams and removed prior to exiting the rear gantry. There will be minor configuration to make, with training provided on site.
- Monitoring DMP ring install – On chosen intervals or Circa 125 Rings (250M Approx.) the Tilt sensor employed will be replaced with a long term optical prism enabling standard convergence monitoring.
- Convergence monitoring on a weekly or appropriate directed interval to monitor long term convergence values. The data will be retained and passed either to manual spreadsheets or the FGJV GeoMos database for formulation into the wider monitoring objectives. FGJV and Subcontractor will work together to find the most appropriate methods.
- Scanning fieldwork using FGJV Equipment and progressive asbuilt of tunnel using standard instrumentation.
- Coverage will be needed 24/7 directly on the TBM for any troubleshooting related to the Guidance.

DRILL AND BLAST SUPPORT

- Traversing control and FGJV Senior surveyors will employ our own resources to check Gyroscopic alignment detailed in level 3 and work together with the subcontractor for data only checks performed either in house or independently periodically throughout the drive.
- Control brackets installation.
- Secondary and temporary control install and verification as required to complete tunnel works.

- Convergence monitoring of 3D absolute movement on a daily/weekly or appropriate directed interval to monitor long term convergence values. The data will be retained and passed either to manual spreadsheets or the FGJV GeoMos database for formulation into the wider monitoring objectives. Contractor and Subcontractor will work together to find the most appropriate methods.
- Scanning fieldwork using FGJV Equipment and progressive as built of tunnel excavation using standard instrumentation.
- Undertaking post blasting design excavation profile checks, conformances and reporting when required.
- Undertaking bolt design location Setout and as-constructed surveys in all cross passages.
- Navigating face drilling and VMT guided bolting rigs for automated operations.
- Assisting construction team with VMT bolt model designs.
- Miscellaneous as constructed and set out tasks on each cross passage (grade lines, chainages etc).
- As-constructed data management, preparation and drafting for QA lot closeout.
- Support blasting design team with design information and models alongside the internal survey team.

Number of Surveyors: approximately 15 no's of Surveyors and approximately 15 Survey Assistance for surface and underground works. The mobilization of the surveyor will happen in staggered manner as per the project requirement and overall duration of contract will 8-12 months.

Survey Subcontractor shall be equipped with tools and software's required to perform the duties. Shall be required to have UTE with mine spec.

Requirements:

FGJV requires Vendor:

- to provide evidence of similar experience in the Business Industry
- to provide evidence of the required government or industry certifications, licenses, associations and/or insurances to deliver the opportunity.
- to be financially viable and can demonstrate commercial value.
- to demonstrate a strong commitment to training and retaining a local workforce.
- to have an excellent track record in employing and progressing the careers of Indigenous people
- to progressively finding ways to develop the careers of women, veterans, and people with disabilities.
- Treat the environment they are working in with respect and consideration.
- To have Enterprise Bargaining Agreement in place

General Information:

FGJV will consider all ICN Registrations where:

- The business demonstrates through their response a clear capability against the key requirements.
- The business completes a response to all Future Gen questions and/or Future Gen documentation
- The businesses ICN profile is up to date and complete.
- The registration is complete prior to any closing date.



- The business operates in Australia and is a registered Australian business.

Local & Regional Content: FGJV strongly encourages businesses who have head offices and/or dedicated premises with the appropriate Local Government approvals from the following regions:

- Snowy Monaro Regional Council Local Government Area.
- Snowy Valleys Council Local Government Area.
- Furthermore, Future Gen strongly encourages Aboriginal and Torres Strait Islander businesses to submit applications.

Notes:

FGJV will obtain ongoing reporting from ICN on a regular basis.

FGJV will review all registrations, noting that any incomplete registration will be excluded from consideration.

Further involvement may range from a request for a follow up meeting; request to prequalify, through to request for tender.

Submitting a registration of interest does not guarantee that the supplier will be selected for prequalification or tender opportunities.