

# Expression of Interest (RVS Project)

## Robe Valley Sustaining Project

<b>Project Overview:</b>	The Robe Valley Sustaining Project (Project), the subject of a Feasibility study, consists of the upgrade and expansion of the Mesa iron ore deposits to sustain the existing Robe Valley production. The Robe Valley is approximately 120km southwest of Karratha in the Pilbara region of Western Australia.
<b>Package Title:</b>	<b>Water Supply Mesa A, B, C and H</b>
<b>Package Reference:</b>	<b>RVS-P-CC-1208</b>
<b>Package Description:</b>	Design, Manufacture, Supply, Install and Commissioning of the RVS NPI Water Supply Systems
<b>Specific Scope Requirements:</b>	Suppliers wishing to be considered must be able to demonstrate their ability to complete the following tasks:
<b>General Note:</b>	Majority of works is in brownfields areas, in pit and in and around operating plant.
	<b>1. Mesa BC Production Hub Water Raw Water Supply</b> The reticulated water supply system will incorporate the following major infrastructure:
	<ul style="list-style-type: none"><li>• Tie into existing Mesa A water service, downstream of tanks ATK02 and ATK03.</li><li>• Skid mounted centrifugal pumps (duty and standby arrangement).</li><li>• Buried pipeline with an approximate length of 8.4 km.</li><li>• Terminate at an isolation valve at ground level adjacent to the production hub potable water tank.</li><li>• Terminate at the turkeys nest discharge.</li></ul>
	<b>2. Mesa A Wet Plant Raw Water Supply</b> To support the increased water demand at Mesa A due to the proposed wet plant, a new standalone water supply system will be installed, incorporating the following major infrastructure:
	<ul style="list-style-type: none"><li>• Eighteen process water bores (16 current and two standby) located in a borefield on the western side of the Warramboore body. The bores will discharge into an overland pipeline (7.5 km) which terminates at the borefield turkeys nest.</li><li>• Three dewatering bores located centrally in the Warramboore body. These bores will discharge into an overland pipeline which terminates at the borefield Turkeys Nest.</li><li>• Wet plant raw water pumps (lead, lag and standby) which draw water from the turkeys nest and discharge into an overland pipeline (12.8 km) to provide water to the wet plant and associated waste fines booster station.</li><li>• All bore headworks will be skid mounted.</li></ul>

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### 3. Mesa BC TN Water Cart Stand Pipe Raw Water Supply

Water cart filling will be via a single pump servicing a HV and/or LV water cart standpipe. The pump will be arranged to allow individual standpipes, or both standpipes to be operated at the same time.

### 4. Mesa H Production Hub/MEM Shut Pad/Satellite Office, Potable Water Supply

The reticulated potable water supply system will incorporate the following major infrastructure:

- Tie into existing Mesa J potable water tank outlet
- Skid mounted centrifugal pumps (duty/standby)
- Buried pipeline with a total approximate length of 6.4km
- Terminate at isolation valves adjacent to the water tanks servicing the Mesa H production hub, MEM shut pad and satellite offices.

### 5. Mesa H TN Raw Water Supply

The reticulated water supply for the Mesa H turkey's nest (TN) will be sourced from the existing Mesa J water reservoir.

The Mesa H TN raw water supply will incorporate the following major components:

- Duty/standby pumps, mounted on floating pontoons. The pontoon arrangement will incorporate floating access walkway and individual pump discharge lines with floats connected to a common header on shore.
- Overland pipeline with an approximate length of 6.7km
- Termination at the TN discharge

### 6. Mesa H TN Water Cart Stand Pipe Raw Water Supply

Water cart filling will be via a single pump servicing a HV and/or LV water cart standpipe. The pump will be arranged to allow individual standpipes, or both standpipes to be operated at the same time.

<b>Invitation to Tender Date:</b>	25 June 2019
<b>Forecast Award Date:</b>	27 September 2019
<b>Package-Specific Criteria:</b>	N/A

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**Expression of Interest:** Suppliers and contractors are invited to express an interest in this scope of work by registering on the ICN Gateway online platform. Please ensure;

- The Company profile on ICN Gateway is complete, up-to-date and accurate;
- Interest is registered as full-scope or partial-scope supplier (where applicable); and
- Responses to the generic pre-qualification criteria (questions) via the ICN Gateway, is provided.

**EOI Start Date:** 23 January 2019  
**EOI Closing Date:** 20 February 2019

**Contact:** Industry Capability Network of Western Australia. (+618) 9365 7556

More information about Pilbara projects at Rio Tinto is available at <http://www.riotinto.com/australia/pilbara-4691.aspx>

**Disclaimer:** *This package description and target award date is indicative only and subject to change. It is intended to provide a brief outline only of certain works that may be required for proposed Rio Tinto projects and should be read in conjunction with the Rio Tinto project description on ICN Gateway. Full scopes of work will be made available to parties invited to tender. There is no undertaking to contract or proceed to a competitive process implied by this form . Further contact with interested suppliers will be at Rio Tinto's discretion.*