

Karara Mining Limited
2025 Reagent (Collector)
Procurement
Trial Public Sourcing
Announcement

ITT-2025-G1004

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Disclaimer

“This document has been prepared by Karara Mining Limited and is intended solely for the Karara Iron Ore Project (hereinafter referred to as “the Purpose”). This document must not be used for any purpose other than the Purpose.”

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Overview

1. Basic Information

1. Geographical Location

The Karara Project is located in the Shire of Perenjori, in the Mid-West region of Western Australia, approximately 410 km northeast of Perth. To reach the mine site from Geraldton via Fremantle Port (the largest and busiest general cargo port in Western Australia and the primary maritime gateway for Perth, with container terminals capable of handling a wide range of international and domestic cargoes. Major imports include machinery, vehicles, petroleum products, and consumer goods), the route follows the Great Northern Highway to Wubin, then the Mullewa–Wubin Road to Koolanooka, and finally a 60-kilometer unsealed road. To date, all materials imported by Karara from within China have been shipped through this port.

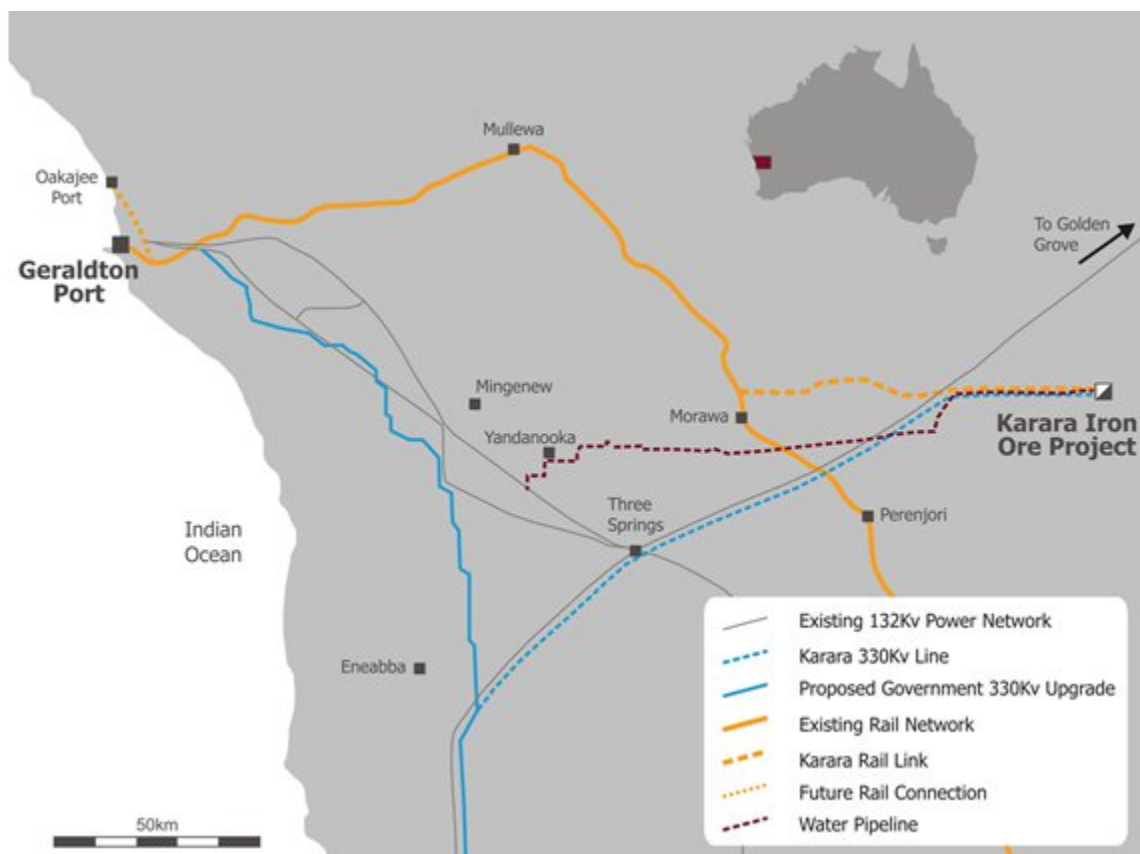


Figure 1: Geographical Location of the Karara Project



Figure 2: Karara Site Layout

2. Climatic Conditions:

The following information is provided as a reference to the weather conditions at the Karara Mine site.

The nearest weather station is the Morawa Weather Station, Bureau of Meteorology station number 008093. It is located at latitude 29.21°S, longitude 116.0089°E, with an elevation of 274 meters above the Australian Height Datum (AHD).

The next closest weather station is the Paynes Find Weather Station, Bureau of Meteorology station number 007139. It is located at latitude 29.27°S, longitude 117.6836°E, with an elevation of 3390 meters AHD. Indicative average climate data are presented in the table below.

Climatic Statistics – Annual Values (Morawa)

Item	Value	Unit
Average Daily Solar Exposure	20.7	MJ/m ²
Average Number of Clear Days	147.4	days/year
Average Number of Cloudy Days	65.1	days/year

Temperature Data

Statistic	Value	Unit
Average Maximum Temperature	27.4	°C
Highest Recorded Temperature	47.8	°C
Average Minimum Temperature	12.4	°C
Lowest Recorded Temperature	-2.2	°C

Wind Parameters

Item	Value	Unit
Average Wind Speed at 9:00 am	11.2	km/h
Average Wind Speed at 3:00 pm	12.9	km/h

Rainfall Data

Statistic	Value	Unit
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Average Rainfall	332.8	mm
Highest Rainfall	580.4	mm
Lowest Rainfall	149.1	mm

3. Flotation Collector Procurement — Relevant Mineral Processing Technical

Parameters for Kararas :

Ore Characteristics and Process Conditions

浮选回路类型 Flotation circuit	粗浮选 Rougher	扫浮选 Scavenger
海拔高度 Altitude	330m	
环境温度 Ambient temperature	-5°C--70°C	
环境相对湿度 Ambient relative humidity	20-100	
工作介质 Working media	矿浆 Slurry	
环水 PH 值 Process water PH	7.8-8.4	
环水总溶解度 (毫克/升) TDS(mg/L)	2000-5000	
浮选给矿矿物比重 S.G	4.34	
浮选浓度 (%) Solid	35-40	30-35
浮选给矿品位 (%) flot feed grade	55-60	35-47
浮选精矿品位 (%) Concentrate grade	65-66	64-65
浮选尾矿品位 (%) Tail grade	35-45	18-30
设计浮选阶段精矿产率 (%) Design flotation stage mass	74.5	70.8
工作方式 Working mode	连续运行 Continuous run	
作业率 (%) Utilization	90.2	
2024 年实际原矿处理量 (干吨) Actual processed feeding ore (dry)	16,730,192	

Equipment Operating Parameters, Historical Data, and Technical Requirements

浮选 种类 Flotation type	反浮选 Reverse flotation	
浮选回路类型 Flotation circuit	粗浮选 Rougher	扫浮选 Scavenger
浮选机型号 Cell type	TC-100	TC-50
浮选机容积 (立方米/台) Volume(m3/cell)	100	50

浮选机台数 Number	2+6	2+6
浮选浓度(%) Solid	35-40	30-35
设计浮选台时(立方米/小时) Throughput(m3/h)	2353	593
给矿粒度 P80(微米)	45-50	50-55
给矿 PH 值 Feed PH	7.8-8.4	
给矿主要成分(%) Feed components	Fe3O4, Fe2O3, SiO2, AL2O3, FeCO3, FeSiO3, TiO2, MnO2, CaO, P, S, MgO, K2O, Na2O	
当前捕收剂类型 Collector type	阳离子捕收剂 Cationic collector	
当前捕收剂名称 Collector name	醚胺醋酸盐 Ether amine, partly acetic acid neutralized	
单耗(公斤/吨原矿) Unit consumption (kg/dry ton)	<=0.01	
设计浮选阶段精矿产率(%) Design flotation stage mass	74.5	70.8
安全文件(符合澳洲标准) MSDS	MSDS (Material Safety Data Sheet)	

2. Supplier Admission Requirements

Enterprise Type: Must possess relevant production qualifications; preference will be given to those with experience in the Australian market.

The supplier must provide original qualification documents or legally valid scanned copies. Qualification documents include:

1. Company Profile – including but not limited to organizational structure, staffing, business relationships, production processes and equipment, production capacity and scale, inspection reports corresponding to the proposed supply products, testing equipment, and facilities.
2. Business Operation License – agents must also provide authorization documents.
3. Performance Proof – evidence of relevant product performance over the past two (2) calendar years that meet the current requirements, including contracts and corresponding invoices, as well as quality system certificates or other quality certification materials.
4. Product Documentation – detailed product design plans, manufacturing processes, inspection plans, and quality assurance measures.
5. Non-Infringement Declaration – a statement confirming that the materials sold do not infringe any rights. In case of disputes, the declarant will be held responsible.

3. Process

Consultation and Registration → Qualification Review → On-site Inspection
→ Laboratory Testing → Submission of Qualified Laboratory Test Report
→ Participation in Tender Procurement → Shortlisting for Industrial Trials
→ Submission of Qualified Industrial Trial Report → Contract Signing.

4. Test Instructions

1. Laboratory testing costs shall be borne by the supplier; Karara will not reimburse or subsidize these expenses.

2. Only suppliers who pass the laboratory tests will be eligible to participate in the official procurement tenders for collectors. Suppliers who fail the test evaluation will not be included in subsequent procurement processes.

6. Validity of Announcement

This sourcing announcement is valid from the date of publication until **September 30, 2025**.

7. Contact Information

Outstanding suppliers are invited to contact the Karara team.

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