

KARARA MINING LIMITED

Karara Iron Ore Project

Scope of Work for Conveyor Take-up Equipment

L262-ME-SOW-0001

20-JUN-2025

KARARA MINING LIMITED
KARARA IRON ORE PROJECT
SCOPE OF WORK FOR CONVEYOR TAKE-UP EQUIPMENT (L262M)

Disclaimer

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PROJECT L262M-ME-SOW-0001 – SCOPE OF WORK FOR CONVEYOR TAKE-UP EQUIPMENT (L262M)					
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1. INTRODUCTION

This Scope of Work covers the design, fabrication, works testing, corrosion protection, packaging, commissioning assistance and performance testing of Conveyor Take-up Equipment for the Karara Iron Ore Project. The equipment shall comply with the nominated data sheets and document L179-ME-SPC-0001, including listed standard specifications.

The equipment required is listed below:

Item No.	Equipment No.	Description	Qty	Datasheet No.
1	1304-HT-039	CV-009 Gravity Take-Up Winch Drum	1	L262M-ME-DAS-0001
2	1304-HT-040	CV-010 Gravity Take-Up Winch Drum	1	

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2. GLOSSARY

Wherever the words “Company, Purchaser, Buyer or KIOP” are used, it shall mean Karara Mining Limited.

Wherever the words “Contractor, Supplier or Manufacturer” are used it shall mean the person so named in the Contract (and its successors and permitted assigns).

Wherever the words “Company’s Representative, Purchaser’s Representative or Buyer’s Representative” are used, it shall mean the person so named in the Contract (and its successors and permitted assigns).

Term	Definition
Authorities	Any statutory, public, municipal, governmental or administrative department, commission, authority, agency or entity with jurisdiction in connection with the WUC.
BoD	Basis of Design.
CCIWA	Chamber of Commerce and Industry Western Australia.
CDRL	Contractor Data and Document Requirements List.
Company’s Project Requirements	Has the meaning ascribed to it in the Contract
Company’s Representative’s nominee	Means an individual appointed in writing by the Company’s Representative under the Contract.
Contract	The agreement between the Company and the Contractor to which this Scope of Work pertains.
Equipment	Means the goods to be supplied by the Supplier.
Execution Date	Means the date on which the Formal Instrument of Agreement is signed by the Company.
HAZOP	Hazard and Operability Review.
HME	Heavy Mining Equipment.
HSEC	Health, Safety, Environment and Community.
IFC	Issued For Construction.
KIOP	Karara Iron Ore Project.
Mine site	The location of the KIOP mine at Karara in the Mid-West Region of Western Australia, approximately 215 km East of Geraldton and 320 km North-North East of Perth.
MIS	Management Information Systems.
MTOs	Material Take Offs.

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Term	Definition
PEP	Project Execution Plan.
PFDs	Process Flow Diagrams.
SCADA	System Control And Data Acquisition.
SDRL	Supplier Data and Document Requirements List.
SoW	Scope of Work.
Supplementary Requirements	Specifications, standards, regulations and codes of practice set out at Section 4 of this SoW.
Take-Up System	Refers to the complete take-up system including wire rope, sheaves and winches.
Tenderer	Means a person who lodges a tender for the Work.
Work	Includes the supply of Equipment.
WUC	Means the whole of the Work to be carried out under the contract.

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3. SCOPE OF WORK

3.1 Work Included

3.1.1 General

The Supplier's Scope of Work shall include the design, supply, manufacture and packaging for delivery of Conveyor Take-up Equipment consisting of the following:

- a) Supply of Equipment complete with all the necessary accessories and auxiliary equipment to ensure a fully operable package in accordance with this document and the Technical Specification L***-ME-SPC-0001.
- b) Shop assembly and testing to Supplier nominated level.
- c) Packaging for transport.
- d) Identify the Equipment with labeling and in accordance with CORP-GE-SPC-1001, sufficient to ensure expedient assembly on site.
- e) Surface preparation and protective coatings in accordance with the Suppliers standard and/or CORP-GE-SPC-1004 Technical Specification for Surface Treatment of Structural Steelwork and Pipework, paint system B.
- f) Supply of all special items, tools or equipment required for handling the Equipment during installation, commissioning or maintenance, if requested.
- g) Drawings, manuals, schedules, calculations and other information and data listed in document L262M-SDRL-01L262M Conveyor Take-up Equipment SDRL.
- h) Performance guarantee.
- i) Price list(s) of recommended spare parts to cover installation, commissioning, two years of operation and insurance spares. The list shall state the availability of each component and location of stock holding. The list shall also indicate the spares that are critical and absolutely essential.
- j) Assistance with installation and commissioning of the Equipment by qualified personnel, as required at agreed daily rates.

In addition to the foregoing, the following specific requirements are included as part of the Scope of Work:

3.1.2 Mechanical

The Supplier shall supply take-up equipment, including:

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- a) Sheaves with carrier, axle, rope guide(s), keeper plate, bearing, seals and seal plate.
- b) Winches complete with the gearbox, drive pinion, mounting plate, winch drum, frame, guarding, locking device and name plates.
- c) Wire rope complete with terminations and test certificates.
- d) Guarding.
- e) Rated lifting Lugs.
- f) All fasteners required for assembly of the equipment, except for hold down bolts.
- g) Packing and loading of equipment suitable for delivery to site.

3.1.3 Electrical

- a) Electric Motor with electromagnetic disc brake.
- b) Motor starter/control panel and removable pendant controller.
- c) Protection devices and instrumentation for safe operation and maintenance.

3.1.4 Installation

- a) Provide detailed installation manuals to facilitate installation by others. Manuals shall include installation drawings, sequencing, handling, lifting and slinging precautions, torque, tension and all other pertinent installation data.
- b) Shop assembled modules that require disassembly for shipping shall be match marked, and similar match marks shall be shown in the installation documentation.
- c) Provide qualified and equipped personnel to assemble the Equipment and perform installation on site as required by the Company's Representative at agreed daily rates.

3.1.5 Commissioning

- a) Submit detailed commissioning procedures for approval by the Company's Representative.
- b) Provide qualified and equipped personnel to perform commissioning and post-commissioning tests on site as required by the Company's Representative at agreed daily rates.

3.1.6 Drawings and Documentation

- a) The Supplier shall furnish all drawings and data as required by the SDRL and in accordance with the Contract requirements, including the requirements of Supplier Data Instruction Specification CORP-AD-SPC-1001.
- b) The general arrangement drawing requested in the SDRL shall include all main dimensions and shall indicate the total mass, required clearances around the Equipment for maintenance

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and repair, foundation requirements and holding down and/or connecting bolt details of the bearing assemblies.

- c) The Company's Representative reserves the right to request any additional information necessary to clarify the installation, operation and maintenance of The Equipment.
- d) The Supplier shall review and provide comment on the Company's relevant design drawings. The Supplier shall furnish all required information to the Company for incorporating the necessary information into the design drawings.

3.1.7 Packing and Transport

The equipment shall be packed in accordance with 1000-GE-SPC-1002 Packaging and Marking Specification.

3.2 Work Excluded

The Supplier's scope of work shall exclude:

3.2.1 General

- a) Supply of equipment hold-down fasteners.
- b) Transport and unloading and storage on Site.
- c) Site installation of the Equipment.
- d) Site commissioning and performance testing.
- e) Installation tools and equipment other than Special tools.

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3.3 Battery Limits

The following termination points define physical limits to the Supplier's scope of work for the Equipment supplied under this contract:

- a) Base of winch.
- b) ~~Sheave mounting plates.~~
- c) Wire rope end connections.

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4. CONTRACT DOCUMENTS**4.1 List of Contract Documents and Specifications**

In performing the SOW, the Supplier shall comply with the following project Documents and Specifications:

Document No.	Description
L262M-ME-DAS-0001	EQUIPMENT DATA SHEET – TAKE-UP SYSTEMS L179 STAGE 1 WINCHES DATASHEET
L262M-ME-SPC-0001	SPECIFICATION FOR CONVEYOR TAKE-UP EQUIPMENT
L262M-SDRL-01L262M_B	SUPPLIER DATA REQUIREMENTS LIST – CONVEYOR TAKE-UP EQUIPMENT

4.2 List of Reference Documents

In performing the SOW, the Supplier shall comply with the following related project Reference Documentation:

DOCUMENT NO.	DESCRIPTION
CORP-GE-BOD-1001	PROJECT BASIS OF DESIGN
CORP-GE-LST-1003	PROJECT GLOSSARY
CORP-AD-FRM-1002	DOCUMENT & REVISION NUMBERING SYSTEM
CORP-AD-FRM-1057	CAPITAL PROJECTS - DOCUMENT & REVISION NUMBERING SYSTEM
CORP-AD-FRM-1005	WORK BREAKDOWN STRUCTURE CODING
CORP-AD-SPC-1001	SUPPLIER DATA INSTRUCTION SPECIFICATION
CORP-AD-FRM-1026	SUPPLIER DATA SCHEDULE (SDS) TEMPLATE
CORP-GE-SPC-1001	SPECIFICATION FOR EQUIPMENT LABELLING
CORP-QA-SPC-1001	SUPPLIER QUALITY REQUIREMENTS SPECIFICATION
CORP-GE-PLN-1002	DOCUMENT AND DATA MANAGEMENT PLAN
CORP-QA-SPC-1002	REQUIREMENTS FOR COMPILATION OF MANUFACTURER DATA REPORTS SPECIFICATION

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DOCUMENT NO.	DESCRIPTION
CORP-GE-SPC-1002	SPECIFICATION FOR PACKING, MARKING AND DOCUMENTATION REQUIREMENTS
CORP-AD-FRM-1007	PLANT NUMBERING SYSTEM
CORP-GE-SPC-1004	SPECIFICATION FOR THE SURFACE TREATMENT OF STRUCTURAL STEELWORK AND PIPEWORK
CORP-ME-BOD-1001	ENGINEERING DESIGN CRITERIA (MECHANICAL)
CORP-EN-PLN-1020	ENVIRONMENTAL MANAGEMENT PLAN
CORP-HS-PLN-1001	OCCUPATIONAL HEALTH & SAFETY MANAGEMENT PLAN
CORP-HS-PLN-1003	EMERGENCY MANAGEMENT PLAN
L262M-ME-SOW-0001	SCOPE OF WORK FOR CONVEYOR TAKE-UP EQUIPMENT
L262M***-SDRL-01L262M	SUPPLIER DATA REQUIREMENTS LIST FOR CONVEYOR TAKE-UP EQUIPMENT

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5. LIST OF DRAWINGS

5.1 List of Standard Drawings

DRAWING NO.	DESCRIPTION
1300-ME-DRG-1128	ORE PROCESSING MECHANICAL STANDARDS - CHINESE SECTIONS DRIVE AND GRAVITY TAKE-UP ARRANGEMENT
1300-ME-DRG-1129	ORE PROCESSING MECHANICAL STANDARDS-CHINESE SECTIONS GRAVITY TAKE-UP ARRANGEMENT
1300-ME-DRG-1168	ORE PROCESSING MECHANICAL STANDARDS - CHINESE SECTION DRIVE & GRAVITY TAKE-UP ARRANGEMENT PLAN
1304-ME-DRG-1086_2	HPGR PRODUCT CONVEYOR 1304-CV-009 TAKE UP TOWER ARRANGEMENT.
1304-ME-DRG-1087_3	HPGR PRODUCT CONVEYOR 1304-CV-009 TAKE UP TOWER PLANS SHEET 1 OF 2
1304-ME-DRG-1088_2	HPGR PRODUCT CONVEYOR 1304-CV-009 TAKE UP TOWER PLANS SHEET 2 OF 2
1304-ME-DRG-1094_2	HPGR PRODUCT CONVEYOR 1304-CV-010 TAKE UP TOWER ARRANGEMENT.
1304-ME-DRG-1095_2	HPGR PRODUCT CONVEYOR 1304-CV-010 TAKE UP TOWER PLANS SHEET 1 OF 2
1304-ME-DRG-1096_2	HPGR PRODUCT CONVEYOR 1304-CV-010 TAKE UP TOWER PLANS SHEET 2 OF 2
1300-ME-DRG-1129_6	MECHANICAL STANDARDS-CHINESE SECTIONS GRAVITY TAKE-UP ARRANGEMENT - TORPEDO

APPENDIX A – SCOPE OF SUPPLY

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Scope of Supply

Purchaser	Karara Mining Limited	Purchaser Order No:	TBA
Supplier	TBA	Rev:	B

Item No.	Commodity/ Tag	Description	Prev Qty	Rev Qty	Total Qty	Unit of Measure	Account Code
1	1304-HT-039	CV-009 Gravity Take-Up Winch, frame, panel, covers, Torpedo counterweight, rope and socket.		1		ea	
2	1304-HT-040	CV-010 Gravity Take-Up Winch, frame, panel, covers, Torpedo counterweight, rope and socket.		1		ea	