

Scope of Work (SOW) for Forklift

Procurement Project

1. Equipment Supply Requirements

3.1. Forklift Models and Quantities

Supply 8 forklifts as specified:

- 16T Diesel Forklift: 1 unit
- 7T Diesel Forklift: 1 unit
- 5T Diesel Forklift: 3 units
- 2.5T Diesel Forklift: 2 units
- 2.5T Electric High-Reach Forklift: 1 unit

3.2. Technical Compliance

All equipment must meet the following standards and specifications as outlined in the technical documents:

- **Core Parameters:**
- 16T Diesel Forklift: Rated capacity $\geq 16,000\text{kg}$; maximum lift height 4.5-5.0m; ROPS/FOPS Level II cabin (AS 2294.1); automatic fire suppression system (AS 5062:2022).
- 2.5T Electric High-Reach Forklift: Maximum lift height $\geq 12\text{m}$; lithium battery runtime ≥ 8 hours/charge; protection rating $\geq \text{IP54}$.
- 5T Diesel Forklift: Loaded gradeability $\geq 25\%$ (per Attachment_I_CORP-AD-FRM-1029_8).
- Other models: Comply with parameters specified in their respective technical sheets (7T: Attachment_I_CORP-AD-FRM-1029_6; 2.5T Diesel: Attachment_I_CORP-AD-FRM-1029_7).
- **Certifications:**

- DMIRS registration (Australia);
- Tier 4 Final engine emission certification;
- ROPS/FOPS certification (AS 2294.1);
- EnergySafety WA approval for electric forklift batteries.

2. Delivery and Logistics

- **Packaging:** Corrosion-resistant packaging per AS 4312:2008, with clear marking of model, serial number, and lifting points.
- **Transportation:** Arrange delivery to Karara Mine Site, including sea freight, customs clearance, and inland transport. Provide Main Roads WA oversize permits if required.
- **Delivery Scope:** Include all units, random accessories, and a complete delivery checklist (per Attachment_G_Pricing_Schedule_Forklifts).

3. Installation and Acceptance

3.1. Commissioning

On-site debugging to ensure:

- Diesel forklifts: Fuel/hydraulic systems function per specifications;
- Electric forklifts: Battery activation, charging system calibration, and stable operation at maximum lift height;
- Safety devices (360° cameras, radar sensors): Calibrated to detection ranges ($\geq 3\text{m}$ for standard models; $\geq 5\text{m}$ for 16T).

3.2. Acceptance Tests

- **FAT (Factory Acceptance Test):** Conduct tipping load test (ISO 14397-1) and hydraulic pressure test ($\geq 110\%$ of design pressure).
- **SAT (Site Acceptance Test):** 72-hour continuous operation with ≤ 1 failure; test data to be documented and signed by both parties.

4. Documentation and Training

4.1. Technical Documents

Submit:

- Bilingual (English/Chinese) operation and maintenance manuals (including high-dust environment guidelines);
- Electrical schematics (with Western Power compliance seal);
- Spare parts list with recommended replacement cycles (per 2-year maintenance needs).

4.2. Training

Provide 2 on-site training sessions for operators covering:

- Safe operation (including ROPS/FOPS usage);
- Daily inspection (filter replacement, oil level checks);
- Battery maintenance (for electric models).