**REQUEST FOR QUOTATION  
SPECIFICATION OF STANDARD SERVICES**

**Procurement No:** **RFQ-16-SS009-23**

## Specification

### Background

The Kiribati Solid Waste Management Programme is based in the Ministry of Environment, Lands and Agricultural Development, and is dedicated to implementing the Kiribati Solid Waste Management and Resource Recovery Strategy. The current Materials Recovery Facility (MRF) has to move site, and so a new building is required to house the baling equipment and other functions of the MRF. A kitset steel light industrial building will suit the purpose.

The new MRF will be based in Betio, Tarawa, Kiribati, which just north of the Equator and outside any Cyclone or Earthquake Zones. The primary consideration from a structural point of view is that the site is very close to the sea and just above sea level, and in a Very Severe Marine Environment with regard to corrosion.

The complete package of supply and construct, including the foundation slab, needs to be part of a single contract to ensure that the shed supplied fills the requirement when constructed. The contractor should expect to construct the foundation slab during the time that the kitset shed is being manufactured and shipped to Kiribati, so that erection of the kitset shed can be undertaken as soon as the shed arrives in Kiribati. The Contractor will also be required to arrange the building permits required for the construction of the building from the Ministry of Infrastructure and Energy (MISE), working in cooperation with the Kiribati Solid Waste Management Programme and the Ministry of Environment, Lands and Agricultural Development.

The engineered concrete slab drawings will be provided by the KSWMP based on the drawings from the shed manufacturer, but with some minor modifications to suit placement of machinery and a vehicle inspection pit. The supplier must supply all materials, labour and direction to construct the concrete slab for the shed. The slab will need to be prepared prior to the arrival of the kitset; also, any fittings required to be set in the concrete slab, for example for bolting columns, will need to be supplied separately soon after the contract signing to allow construction of the slab prior to the kitset arrival. The supplier must also erect the shed to the specification and drawings supplied by the shed manufacturer. Shipping to Kiribati will likely require transhipment and typically takes about two - three months; costings should be based on delivery to the Port of Betio, Tarawa. **Costs must include all VAT and any other taxes that might be payable in Kiribati.**

## Description of the Goods

**1. Kitset building Package:** 20m x 15m light industrial steel building for Tarawa Materials Recovery Facility of 300m² floor area.

**Base Building Specifications**

**Supplied as:** Kitset package.

**Building Model:** light industrial.

**Building Size:** 20m long X 15m wide, approximately 4.8m stud height.

**Design working life**: rated at 50 years in Australian conditions;

**Roof Pitch:** approximately 10 degrees

**Internal Partitions:** None.

**Building Use:** Recycling equipment shed.

**Foundation: Concrete slab:** to be constructed as part of this contract, engineering drawings for concrete floor will be supplied to the contractor by the buyer, and any steel fittings into the slab must be supplied prior to delivery of main kitset so that the slab can be built prior to the kitset shed delivery in Tarawa.

**Earthquake Zone:** NO Earthquakes.

**Wind Zone:** Low: NO Cyclones (Location site on Equator).

**Written Instructions and plans:** Engineering drawings for a standard concrete floor construction for the kitset shed must be supplied to KSWMP by the supplier, with final drawings to be supplied by the buyer.

**Framing:**

**Bracing fixing:** screwed

**Frame base type fixing:** bolted

**Standards:** Structural design to meet AS/NZS 1170; workmanship and materials shall be in accordance with AS4100.

**Welds:** 6 mm continuous fillet type

**Bolts:** Commercial bolts of grade 4.6 to ASI 111; High strength structural bolts of grade 8.8 to AS 1252

**Gussets:** Gusset plates shall be 10 mm thick

**Corrosion protection:** Framing steel work should be hot dipped galvanised.

**Roof and Cladding**

**Coatings:** Coating to be as specified for Very Severe Marine Environment to meet Macroclimate Corrosion category C 5 - M (From AS/NZS 2312.1)

**Roof**: Pre-painted industrial coating steel roof material thickness minimum 0.4mmNo eaves. To include translucent tinted Roof Sheets sufficient for four roof sheets on each side spaced evenly down the building.

**Wall Cladding:** Pre-painted industrial coating steel cladding material thickness minimum 0.4mm

**Downpipes & Gutters:** required, ideally to match cladding.

**Framing:** Galvanised Steel column, thicknesses minimum 1.2 mm, and meet loading and span requirements from Australian or New Zealand Building Codes.

**Openings**

**Main Door:** One Roller Door of 4m wide and minimum 4m height central in one 15m end;

**Secondary doors:** Two Roller doors of 3.5m wide and minimum 4m height; one in the opposite 15m end; the second in one 20m side, generally in a central location (exact location flexible).

**Access Door:** 1 PA door in same end as 3.5m secondary roller door

**Delivery:** Price to Include delivery to Port of Betio, Tarawa, Kiribati, and include any taxes and duties payable.

**2. Concrete Foundation slab for 300m² Kitset shed above:** built to the shed manufacturer's specification, and incorporating a vehicle inspection pit, foundation drawing supplied by the Client after acceptance by MISE. All reinforcing steel, cement, and form work and labour needed to construct the slab to be supplied as part of this RFQ.The supplier must include all materials for the foundation slab construction, except sand and aggregate which will be supplied by KSWMP.

### 3. Erection of kitset shed: to manufacturer's specification and plans, including all roller doors, claddings, flashings, gutters etc. supplied in the kit, constructed to meet AS/NZS building standards.

**4. Building Permit application process:** The supplier must conduct all the necessary work to gain the building permits required from MISE though the process of submitting drawings and designs to MISE to gain building approval.

### Requirements

All supporting documentation must be in English.

* Certificate of Business Registration – copy must be certified
* Local building permit – winning suppliers must apply for the Building permit as required from MISE

### Delivery Time

Completion of services by Eight (8) Months from signing of contract.

## Description of the Services to be provided

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| --- | --- | --- | --- | --- |
| Pos. | Description | Number | Delivery Time (to be verified or Tendered) | Price (to be Tendered) |
| 1 | **Kitset Package:** 20m x 15m light industrial steel building, complete | 1 |  |  |
| 2 | Materials and construction of a concrete foundation slab for above shed | 1 |  |  |
| 3 | Construction of kitset shed on slab (installation of the kit set shed) | 1 |  |  |