Tender for Preferred Supplier of Fine Sand in the Suva to Nausori Corridor

MR 287/**20**17

PURPOSE AND DESCRIPTION OF THE TENDER

The Fiji Electricity Authority (FEA) is requesting proposal from Interested Suppliers to Provide Fine Sand for underground Cabling Works required by the Network Operations team in the **Suva to Nausori Corridor** for execution of Capital Projects and maintenance works.

Eligibility/Selection Criteria of the Bidding Contractor

The Supplier shall have a sound knowledge of the subject area. Supplier shall also be familiar with the contents of the Authority's "Safety Manual". The Supplier shall take all necessary precautions to prevent any damages to the FEA assets and private properties in the area. The Supplier shall visit offloading areas and accordingly offer to execute and complete the provision and carting of Fine Sand to areas identified by the FEA Representative. The supplier should be able to supply one or **multiple truck loads to the site within 24hours** of the FEA Representative having requested so.

The Bidder shall submit the names/contacts of utilities or projects where they have previously undertaken such work required by this Tender.

1. **Contract Price:**

The Supplier shall submit the lump sum VIP price in Fijian currency to carry out the following works. The Supplier shall submit his price for the **Supply of 1 m^3** of **Fine Sand** to Project Site, Including Cartage, Delivery, etc. in the following manner.

Stockpile Location(s)	**Cartage/m^3/km**	**Sand Cost/m^3**

2. Scope of Work

1. The Supplier shall be fully responsible for the extracting, sieving and carting and unloading of Fine Sand and providing machinery for the same.
2. Loading and unloading of the Fine Sand will be the responsibility of the Supplier.
3. The Quantity of Fine Sand required will be requested by the FEA Representative and the Contractor shall be responsible for delivering the required amount on time.
4. FEA representative will be showing interested Bidders offload locations at the site.
5. The Supplier shall be responsible to repair any damages to access road during the execution of the above work.
6. No royalty is payable by the FEA to any party for the extraction of Aggregate.
7. Any damage to the roads, vehicles and machines during the extraction and transportation process is entirely the Supplier's risk and responsibility.
8. Prices shall be firm and valid till 31st December, 2018.
9. FEA shall establish the successful bidder(s) as a preferred supplier and multiple small quantity purchase orders shall be furnished as deemed necessary and required by FEA.

3. Registration & Other Information

The following information is required with the offer letter:

i. Registration details of the company.
ii. Occupational Health & Safety Policy of the company.
iii. Certificates and work experience of employees.
iv. List of tools, equipment, machines and safety gears

The tender bid may not be considered if the above information is not attached with the offer letter.

The Supplier is to confirm in writing in their offer letter that they will submit the following information within five (5) days prior to the award of the contract:

i. Insurance cover for workers' health and safety.
ii. Public liability cover.
iii. Safety Management Plan

The award will be cancelled if the contractor is unable to provide the above information on time.

4. Contractor Personnel:

The Supplier shall only employ Licensed Machinery Operators and they shall be available on site as and when required by the FEA in 24 hours of the request.

5. Bidder Details

The Bidder shall provide all the necessary information specified in the tables below:

General
The registered name of the Bidder:
Business address for correspondence: ***(****Location, Street, Locality City, TIN, Country, Telephone, Facsimile, Email Other)*
Contact name of the Authorised Person:
Contact's position: ***Contact addresses if different from above*** *Locality City, TIN, Location, Street, Country, Telephone, Facsimile, Email, Web address*
Business structure:
Include the organisations years of experience in this field and reputation in the market place.
Financial standing
(Information designed to give client confidence in the financial comp
BIDDER.) Audited financial accounts for past three years shall be incl
Company Profile(s)

6. Other value added services.

The bidder is open to include any other information that may add value to services.

7. Tender Evaluation

After the bids are received, it will go through a normal tender evaluation process as per FEA's Tender Policy and Procedures. The successful and unsuccessful bidders will be advised of the outcome after completion of the Tender evaluation process.

8. Evaluation Criteria

No.	Criteria	Weighting
1	Supplier background and history in the supply of fine sand	10%
2	Material source, quantity availability	10%
3	Production site, stockpile	10%
4	Delivery trucks	10%
5	Technical compliance	20%
6	Price	40%

9. Submission of tenders

Two Hard copies of the tender, one original and one copy must be deposited in the tender box located at the FEA Head Office, 2 Marlow Street, Suva.

Addressed as:

Tender – MR 287/2017 – Tender for the Supply of Fine Sand in the Suva to Nausori Corridor.

The Secretary Tender Committee
Fiji Electricity Authority
Head Office
Suva
Fiji

Hard copies of the Tender bid will only be accepted if it is received before the closing date and time.

Tenders received after **4:00pm** on the closing date of **Wednesday 25th October, 2017** will not be considered.

It must also indicate the name and address of the tenderer on the reverse of the envelope.

All late tenders, unmarked Envelopes and envelopes without bidder's name and address on the reverse on the envelope will be returned to the Tenderers unopened. (Bids via e-mail or fax will not be considered).

The bidders must ensure that their bid is inclusive of all Taxes payable under Fiji Income Tax Act and must have the most current Tax Compliance Certificate.

For further information or clarification please contact our Supply Chain Office on phone (+679) 3224360 or (+679) 9991587.

SPECIFICATION FOR BEDDING SAND USED FOR UNDERGROUND CABLING WORKS

Introduction

The requirement for bedding sand to conform to FEA standards ensures that no Health and Safety risk exists for workers and no damage will occur to cables being installed.

Contractors & Suppliers shall ensure that any bedding sands used on FEA works shall comply with these specifications. FEA reserves the right to request that suppliers and contractors provide evidence of compliance to the standards mentioned below.

Specification for Bedding and Backfill Sand

Cable Bedding Sand [Sigatoka Fine Sand] shall be clean sand free of rocks, clay lumps, tree roots, building rubble, metal, glass, sharp objects, organic solvents or other deleterious material that is likely to damage cables or pose a health and safety risk to workers and shall comply with the following grading requirements in Table 1.

Tolerance on size:

Percentage by weight passing AS1152 sieves in accordance with test method AS 1289.3.6.1.

Sieve Size (mm)	% passing by Weight
4.75	100
2.36	80/100
1.18	43/100
0.600	19/100
0.425	13/70
0.300	8/45
0.150	0/18
0.075	0/5

Table 1: Grading Requirements

The material would be described as "**Fine Grained**" Seive Size 2.36 mm as per AS 1289.0 Sect 5(a) and have the following particle characteristics described in AS 1726.

"Well graded" or "Uniform" size having "rounded" or "sub-rounded" of equidimensional shape. Sands shall be a natural occurring type.

Note

Not Permitted

Manufactured sands such as quarry or crusher dust or by-product sands are **not acceptable**. Recycled 'Glass Sand' and other recycled crushed glass products are **not approved** as cable bedding materials.

Mentioned Standards

AS1152: Specifications for Test Sieves

This Standard specifies the requirements for test sieves made from woven wire cloth or from plates with square or round perforations for use in determining the size distribution of granular products in the particle size range 32 mm to 125 mm.

The aperture sizes and tolerances of this Standard apply to new test sieves.

For wire cloth test sieves, successive sizes of which are in a ratio of about 1:2, the R40/3 series of aperture sizes is proposed. For perforated plate test sieves, both the R40/3 and the R20 series are proposed, particularly to meet the requirements of the aggregate, coal and iron industries.

AS 1289.3.6.1-2009 Methods of testing soils for engineering purposes

Soil classification tests - Determination of the particle size distribution of a soil - Standard method of analysis by sieving.

This Standard sets out the method for the quantitative determination by sieve analysis of the particle size distribution in a soil, down to the 75 µm sieve. By using this Method the combined silt and clay fraction can be obtained by difference. For particle sizes smaller than 75 µm the sedimentation method described in AS 1289.3.6.3, using a hydrometer to secure the necessary data, applies

AS1289.0 Section 5 SOIL GROUPS

For the purposes of the methods in the AS 1289 series, soils are grouped as follows:

(a) Fine-grained soils-soils containing not less than 80% passing a 2.36 mm AS 1152 sieve.

(b) Medium-grained soils-soils containing not less than 80% passing a 19 mm AS 1152 sieve. (c) Coarse-grained soils-soils containing not less than 80% passing a 37.5 mm AS 1152 sieve.

Any soil shall be regarded as belonging to the finest-grained group appropriate under the definitions given above. This grouping is not a soil classification framework and soils should be described as detailed in AS 1726.

With the exception of a soil classifications test and some soil compaction and density tests, soils with a greater proportion of material than 20% retained on a 37.5 mm AS 1152 sieve, cannot be usefully examined by the methods in AS 1289.

AS1726 Geotechnical Site Investigation

Australian Standards AS1726-1993 groups soils into clays (<0.002 mm), silts (0.002-0.075 mm), sands (0.075-2.36 mm), gravels (2.36-63 mm), cobbles (63-200mm) and boulders (>200 mm). While the gravels, sands and silts are equi-dimensional (same order of magnitude in all three directions), clay particles are like plates or needles. Their surfaces are electrically charged due to a charge imbalance between the cations and anions within the atomic structure. The microstructure or micro fabric of the clay depends on the mineralogy of the clay and the valence, concentration and the type of the cations present in the pore water.