

Request for Quotation

Project East II, Phase 2

Date of Release: 13/06/2018

**INFRASTRUCTURE COOK
ISLANDS**



**All queries regarding this Request for Quotation should be
directed to:**

Contact Officer: wilson.rani@cookislands.gov.ck

**QUOTE CLOSING TIME: 3:00 pm (CI
Time) 27th June 2018**

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1. Introduction

Project East II is a programme of work to upgrade aged galvanised cross service connections on the existing water supply infrastructure from Avana Bridge to Pue, Tupapa along the Ara Tapu during March to June 2018. This work is split into three phases and this RFQ is for Phase 2, O'oa to Matavera. Phase 3 will be covered under a separate Request for Quote.

The work to be contracted out is to cut the road seal, expose infrastructure, traffic control and backfilling and compacting of excavated trenches. The road seal will be cut first using a concrete cutter before trenching to a width between 250mm to 300mm. Road cutting permits and resealing will be handled by ICI so is not considered in this RFQ.

2. Background

The water supply pipeline in the area has undergone upgrading since 1998. The upgrading work focused on the distribution mains. The Te Mato Vai Project is now onto Phase 2 which is the commissioning of the new ringmain and moving commercial connections from the old main to the uPVC submain and replacing cross connections from the old asbestos ringmain to the submain.

The outstanding infrastructure to be replaced are the galvanised service lines that cross the Ara Tapu road underground. The pipes are highly corroded and very prone to leakage and breakages. Since the Te Mato Vai commissioning, the water pressure has increased which is causing more breakages and leaks on the old galvanised pipes therefore, Project EAST II is to complete the outstanding upgrades to the network and replace those galvanised service lines.

In order to future proof the road that is scheduled to be resealed, the WATSAN Water Division (Water Division) proposes to offer New Water Connections for vacant sections at a discounted rate. There are 8 known sections that do not have a connection.

3. Scope of Work

This phase of the project will upgrade a total of 21 galvanised service line crossings and 7 proposed vacant sections to the beachside along the Ara Tapu from O'oa to Takitumu School in Matavera, along a total of 1.8km's of road. This work will take place from 8am to 4pm Monday to Friday for three weeks.

All pricing must consider standards set out in the support documents. These are:

- Attachment 2: Trenching details
- Attachment 3: Traffic control instructions
- Attachment 4: Procedures for Working in Road Corridors under the Code of Practice supplied with this RFQ

3.1 Trenching

- Cut road seal to allow 1.6 tonne digger to access ground
- Trench from submain to directly across the road to a width between 250mm to 300mm
- Using a chain digger, excavate from the road edge to the property service connection

3.2 Backfilling and compaction

- Upon new pipe placement, backfill trench following the supplied Trenching Details

NB: the application of road seal will be done by ICI staff.

3.3 Traffic control

- Meet with ICI representatives on site to plan the traffic control according to the provided traffic control instructions
- Set up traffic static operation using ICI traffic control equipment
- Conduct traffic control

3.4 New Water Connections

- Expose 80mm uPVC submain
- Backfill trench

NB: the connection and tapping to the submain will be done by the ICI staff.

4. General Information

All enquiries are to be directed to Wilson Rani on 20321 or wilson.rani@cookislands.gov.ck.

5. Submitting of RFQ

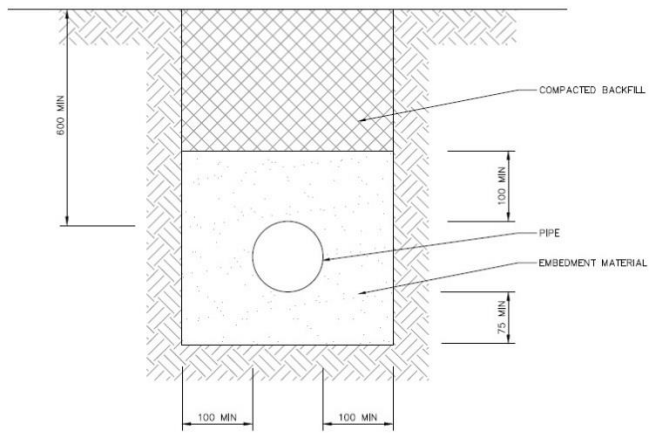
The quote must be submitted:

- On the schedule of rates, Attachment 1, below this Scope of Works and with a cover letter.
- With a signed Conflict of Interest Declaration in the submission. If you have not received the declaration please request it from the contact person.
- To reception at Infrastructure Cook Islands, in a sealed envelope marked **Project East, Contract No Q018 – 03** and addressed to Mr Ngametua Pokino, Secretary, Infrastructure Cook Islands, Arorangi by 3pm 27th June 2018.
- Proposals received after this date will not be considered.

6. Attachment 1: Schedule of Rates

Please fill out accompanying Excel spreadsheet titled Schedule of Rates Project East II, Phase 2.

7. Attachment 2: Trenching Details



PE PIPE BEDDING
DETAIL

NOTES:

1. ALL DIMENSIONS ARE IN mm
2. SHARP GRANULAR EMBEDMENT MATERIAL SHOULD NOT BE USED WITH SOME PRESSURE PIPE MATERIALS AS IT CAN EITHER SCORE THE EXTERNAL SURFACE OF THE PIPE, OR DAMAGE THE PROTECTIVE COATINGS AND SLEEVE
3. THE EMBEDMENT MATERIAL SHALL COMPLY WITH THE MAXIMUM PARTICLE SIZES OF TABLE BELOW AS SPECIFIED IN AS/NZS 2566.2

MAXIMUM PARTICLE SIZE

NOMINAL PIPE DIAMETER DN	MAXIMUM PARTICLE SIZE mm
<100	10
≥100 ≤150	14
>150	20

8. Attachment 3: Traffic control instructions

9. Procedures for Working in Road Corridors