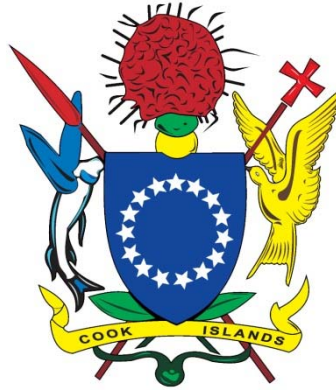


Request for Tender



Commissioning of the Ring Main for the Te Mato Vai Project Stage 1

| | |
|--------------------------|-------------------------|
| Contract No: | TMV-RFT.001/2017 |
| CIG Reference No: | 161706 |
| Date of Release: | 19 July 2017 |

Ministry of Finance and Economic Management

All queries regarding this Request for Tender should be directed to:

Contact Officer

DARYLRAIRI@GMAIL.COM

TENDER CLOSING TIME: **3pm (CI Time) Friday 18 August 2017**

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GLOSSARY AND DEFINITIONS

| TERM | EXPLANATION |
|---------------------------|---|
| BTIB | Business Trade Investment Board |
| Dayworks | Work for which Clause 9.4 of NZS3910:2013 applies. The Contractor is paid for specifically instructed work on the basis of the cost of labour, materials and plant plus a mark-up for overheads and profit. It is generally used when work cannot be priced in the normal way. |
| Consumers | Water users |
| Contract Works | The works including Temporary Works to be executed in accordance with the Contract. |
| Disruptive works | Physical works that will, or has the potential to, adversely affect the water supply to consumers |
| Electronic Tender Account | Asia Pacific Public Electronic Procurement Network e-GP System https://in-tendhost.co.uk/adbprocurementnetwork/asp/Home |
| ICI | Infrastructure Cook Islands |
| Manual | The Cook Islands Government Financial Policies and Procedures manual |
| Non-disruptive works | Physical works that will not, or does not have the potential to, adversely affect water supply to consumers |
| PMU | Project Management Unit |
| Procurement Policy | The Cook Islands Government Purchase and Sale of Goods and Services Policy 2016 |
| Principal | Ministry of Finance Economic Management (MFEM) |
| RFT | Request for Tender |
| Supervision Team | GHD New Zealand Limited |
| Tender Team | The group of people responsible for the management of the tender process and includes those people who are specifically responsible to evaluate Tenders. |

INTRODUCTION

Summary of Requirements

1. Through this Request for Tender (RFT) the Principal wishes to implement the 'Commissioning of the Ring Main for the Te Mato Vai Project Stage 1'. This RFT is for procurement of services to hire machinery and equipment, supply labour, and supply selected material, for the purposes of commissioning the Te Mato Vai Stage 1 ring main.
2. At completion of this Contract, the ring main for the Te Mato Vai project Stage 1 will be fully operational and the existing ring main will be redundant. This outcome is independent of any works being undertaken for the Te Mato Vai Project Stage 2. The Stage 2 trunk mains will connect directly into the new ring main and these connection works will be undertaken as part of the Stage 2 contract works.
3. The contract is a NZS3910:2013 Contract – Measure and Value.
4. Within each Contract Works are:
 - Generally defined cross connections between the old and new ring mains;
 - Undefined works to be undertaken on a Dayworks basis, for reconnecting properties to existing sub mains where those properties currently connect directly into the old ring main.
5. Tenderers must acknowledge that to expedite the project duration, the services of sub-contractors may be requested by the Principal based on the rates submitted for this Tender.
6. The existing water supply network is not fully documented therefore a defined scope of work for this Contract is not possible at this stage. We anticipate the discovery of many unknown connections to the existing ring main.
7. All pipework and fittings for the Contract Works shall be supplied by the Principal. No material other than pipework and fittings will be supplied by the Principal. All other materials e.g. bedding and backfill, concrete, chip seal etc. shall be supplied by the Contractor. Payment will be made on the basis of the machinery, equipment, labour and material used to undertake works instructed by the Principal. No works should be undertaken without explicit instruction from the Principal.
8. The works shall be coordinated by the Te Mato Vai PMU on behalf of the Principal, and supervised by GHD New Zealand Ltd.
9. The PMU will issue workload to the Contractor on a daily or weekly basis depending on the agreed methodology.
10. The Contract works shall be undertaken in collaboration with ICI, who operate and maintain the Rarotonga water supply network. A Memorandum of Understanding between the Principal and ICI is included in this RFT.
11. The success of this Contract will rely on the minimisation of disruptions to the water supply. All work involved with isolating sections of water supply that may affect consumers will be coordinated and managed by ICI in collaboration with the Contractor.
12. The Contract Works are to be Tendered based on the methodology provided with this RFT. The methodology is based on work being undertaken in allocated sectors with defined deliverables.
13. The methodology generally follows two phases:
 - Phase 1: Non-disruptive work; and
 - Phase 2: Potentially disruptive works.

14. This is an Open Tender. You are requested to register your interest to participate in this RFT process by registering on the Cook Islands Government E-Government Procurement Portal.
15. The Tenderers must tender to provide services for the whole of the works/goods/services as specified in the Tender Specifications.

Tender workshop

16. Tender workshop will be undertaken with respondents where the intentions of the Contract Form and the proposed methodology shall be discussed and agreed with all Tenderers in attendance.
17. This workshop shall take place at the Te Mato Vai Compound, Avarua, Rarotonga at 10am on Wednesday 02 August 2017 (CKT).
18. The workshop / briefing will clearly define the role and responsibilities of all parties, the technical aspects of the Contract Works, the methodology, and key processes and protocols. It will be the Tenderers responsibility to attend the workshop and cover their cost of attending the workshop.
19. As a minimum, the Contract Manager and Lead Plumber from each Tenderer must attend the workshop.

Site visits

20. It is the Tenderer's responsibility to carry out any site visits necessary, however no access to private property or consultation with private property owners is to be undertaken without written approval from the Principal.

CONDITIONS OF TENDERING

21. All tenders should conform to the Conditions of Tendering, and must conform to the Mandatory Conditions as set out in this RFT.

Contact Officer

22. The Contact Officer for this tender is:

Name of Person: Daryl Rairi
Title: Deputy Project Manager
Address: Te Mato Vai Compound, Avarua
Phone: +682 28851, +682 55064
E-mail: darylrairi@gmail.com

Tender Registration

23. Prospective tenderers should register their interest to participate in this RFT process by registering on the Cook Islands Government E-Government Procurement portal at:

<https://in-tendhost.co.uk/adbprocurementnetwork/asp/Home>

24. In order to participate in the tender process you will need to register as a supplier on the Portal as a supplier. As part of registration you will need to specify relevant "Business Categories" for your business. This tender will be listed under the following category:

50202301 Water

25. Prospective tenderers should include this category when registering on the system.
26. Should there be any issues registering please advise the Contact Officer as soon as possible and an alternative registration processes will be advised. The Contact Officer will acknowledge receipt of the registration. Only registered tenderers will receive notices directly as and when they are issued. It is the responsibility of the tenderer to ensure they are properly registered for this RFT. The Principal reserves the right to extend the list of registered Tenderers beyond those who register interest in this RFT.
27. Once the Tender is published on the portal any suppliers registered will receive automatic advice of the tender and a link to access tender documentation via the Electronic Tender Account. Submission of tenders will be through the same account.
28. Suppliers who register after the tender is published will receive notification of the tender upon registration.

Tender Closing Time

29. Tenders must be received in both the tender box and the Electronic Tender Account specified by the following deadline, or they will not be considered:

Tender Closing Time and Date: 3.00pm (CI Time) Friday 18 August 2017.

30. It is the tenderer's responsibility to ensure that their tender reaches the designated venue – Te Mato Vai Compound, Avarua, Rarotonga and the Electronic Tender Account by the specified closing date and time.
31. Late tenders will not be accepted.

Submission of Tender

32. The cost of preparing and submitting the Tender, and attending the workshop for respondents shall be borne by the Tenderer.
33. The Principal may vary the Tender Specifications described in Attachment 1 at any time, including the closing date, by notice in writing to the Tenderers still involved in the RFT at the time the Tender Specifications are varied.
34. Tenders shall be submitted in both hard copy and electronic copy, as specified below only.
35. Telefax tenders will not be accepted.

Hard Copy Submission:

36. There shall be 1 (one) original, 4 (four) hard copies and shall be packaged and labelled "CONFIDENTIAL" and have the following information clearly exhibited on the outside:
 - Ministry of Finance and Economic Management.
 - Tender [Commissioning of the Ring Main for the Te Mato Vai Project Stage 1 – CIG Reference No: 161706].
 - Tender Close [3pm (CI Time) Friday 18 August 2017].
37. Hard copy tenders must be placed in the Tender Box located at the Project Management Unit office, Te Mato Vai Compound, Avarua, Rarotonga and submitted in the format contained in Attachment 2 – Forms to be submitted, by the due date. Failure to do so will result in the tender being disqualified.

Electronic Copy Submission:

38. Electronic copy tenders must be submitted through the Electronic Tender Account in the format contained in Attachment 2 – Forms to be submitted, by the due date. Failure to do so will result in the tender being disqualified.
39. The default portal is the Asia Pacific Public Electronic Procurement Network e-GP System (refer <https://in-tendhost.co.uk/adbprocurementnetwork.aspx/Home>). The title and reference number of this document is the tender identifier.
40. The tender form shall be submitted in Microsoft Word format. Additional documents should be submitted in PDF format. Tenderers should seek approval for any other alternative electronic formats. If offers do not comply with the approved formats they will be deemed non-compliant and may not be accepted.
41. If the supplier is not able to access or upload tender documents through the default CIG Procurement Portal they should first seek guidance from the user guide using the following link <https://in-tendhost.co.uk/adbprocurementnetwork.aspx/BuyerProfiles> or by clicking the "user guides" tab on the portal. Thereafter further guidance may be available through the Contact Officer.
42. If still not successful the Contact Officer will arrange a secure email tender account for the upload of documents. The Electronic Tender Account will send a confirmation of receipt email in response to your electronic submission and the time of upload will be used to confirm the date and time of upload. If you do not receive a confirmation of receipt email within five working days please contact the Contact Officer for this tender.
43. If offers do not comply with the approved formats they will be deemed non-compliant and may not be accepted.
44. Late tenders will not be accepted.

Conflict of Interest Declaration

45. Tenderers must complete the Conflict of Interest Declaration form in Attachment 2 to disclose any potential or actual conflicts of interest that they may have or may be perceived to have, in respect of their responsibilities to the Principal and other parties should they be selected as the successful Tenderer. Where potential or actual conflicts of interests are identified, the Tenderer must specify how this will be managed in order to provide assurance that it will not adversely impact the performance of any services.

46. We recognise that due to the nature of some of the work required e.g. surveying and preparation of as built documentation, the same resource may be used by more than one respondent for a Tender. This should be clearly identified in the Conflict of Interest Declaration.

Further information or clarifications

47. Negotiations will not be permitted between the Tender Team and any prospective tenderers during the tender advertising period. However, prospective tenderers may seek clarification of the tender documents prior to submitting their tenders.
48. Any further information or clarification required by a Tenderer in relation to this RFT must be directed to the **Contact Officer**. Tenderers should note that to ensure no disadvantage to any tenderers, responses to questions pertaining to this RFT will be circulated to all those who have registered their interest.
49. Where the Principal considers that the competitive advantage of the individual Tenderer may be compromised by the distribution of responses to such requests for information and/or clarification to all Tenderers, the Principal reserves the right to issue such response(s) only to that particular Tenderer.
50. Details of questions and answers provided during the tender process will be logged in the Electronic Tender Account accessible by all registered tenderers.
51. Any additional information relating to this RFT will be circulated to all registered suppliers via the E-Government Procurement portal and uploaded to the following sites:
- <http://www.procurement.gov.ck>
 - <http://www.tematovai.com>
 - <http://www.gets.govt.nz/>
52. Relevant notes / minutes from all workshops held with Tenderers during the tender advertisement period will be circulated to all Tenderers by the Contact Officer.
53. A contractor's workshop will be conducted during the Tender process to discuss and respond to any tender questions. Meeting minutes including questions and responses will be prepared and sent to all Tenderers.

Probity

54. No gifts or entertainment of any nature will be permitted between any parties involved throughout the tender process, including: tenderers or potential tenderers, tender team members, evaluation team members, the Head of Agency, or any other member or organisation that may have an involvement with any aspect of the tender process.

Selection Process

55. All tenders received in the Tender Box by the closing date and time will be assessed on whether they have conformed to the Mandatory Conditions. Failure to comply with these conditions will result in immediate exclusion from the Evaluation process. All Tenders deemed compliant will then proceed to the evaluation stage.
56. Notification must be sent out immediately to non-conforming tenderers, informing them of the failure of their tender proposal to conform to the mandatory conditions. The letter must advise the tenderer that their proposal will not be considered in the tender process. The letter must be sent out before the evaluation process begins. The letter should give the non-conforming

tenderer 48 hours to respond with reasons for why the tender should be deemed conforming. The letter should also advise that the tender team may accept the reasons or may determine that the reasons do not affect the decision to deem the tender non-conforming and their decision is final and binding.

57. Evaluation of the responses to this RFT will be in accordance with the Evaluation Criteria described in Attachment 3.
58. The successful Tenderer will be selected based on the rates provided with the Tender, as well as the technical qualification, track record and skill and experience in water supply construction.

Notification of Acceptance

59. Tenders shall remain valid for acceptance and shall not be withdrawn for a period of one hundred and twenty (120) working days from the Closing Date of the tender.
60. Unsuccessful tenderers shall be notified in writing by the Principal or their representative within ten (10) working days of acceptance of the successful tender.
61. If no tender is accepted by the Principal within forty (40) working days after the Closing Date, each tenderer will be notified in writing by the Principal or their representative whether their tender is still under consideration or is no longer being considered.
62. When the preferred tenderer has been identified, the Principal will invite the preferred tenderer to enter into negotiations based on the draft contract in Attachment 5 to this RFT. Only when both parties have agreed to the terms of the contract and executed the contract, will the Principal formally issue a Letter of Acceptance to the successful Tenderer.
63. The successful tenderer will be notified by the Principal or their representative in writing on a date yet to be confirmed, but within eighty (80) working days from the Closing Date of the tender.
64. The Tender Team reserves the right to contact referees and/or customers regarding the performance of the tenderer as it may pertain to this RFT.
65. The Principal shall not be bound to accept the lowest priced tender or the highest scored tender or any tender.
66. The tender that is the lowest price may not be the preferred tender, but a comprehensive justification for why they are not preferred must be documented in the assessment report.
67. Tenderers are entitled to the release of their evaluation report on request. Any requests for evaluation reports of other tenders must be processed under the Official Information Act 2009.
68. If no tender has been accepted within the period stated, the Principal will notify all Tenderers that no tender was accepted and may:
 - a. Invite all Tenderers to provide additional information; and/or
 - b. Re-advertise the RFT and extend the closing date of the Tender. Tenderers may either resubmit their tender or provide additional information to support their existing Tender already received by the Principal;

Non-resident Tenderer

69. In order for foreign companies to carry out business in the Cook Islands, an application for, and approval, must be sought from the Business Trade and Investment Board (BTIB). Any fees associated with the registration are to be covered by the tenderer. Tenderers should inform themselves of the registration process and confirm in their Tender that they are willing to register once a Letter of Acceptance is issued. Information can be found at www.btib.gov.ck.

Confidentiality

70. Drawings, Specifications, Schedules and written technical information supplied to Tenderers shall not be used for purposes other than the preparation of a Tender without the approval of the Principal. Information submitted by a Tenderer shall be regarded as confidential and shall not be disclosed to a third party except with the prior written agreement of the Tenderer.

MANDATORY CONDITIONS

71. All tenders must conform to the Mandatory Conditions below. Any tender that fails to comply with one or more of the mandatory requirements will be deemed non-compliant and will be excluded from the evaluation process. Mandatory Conditions below are also reflected in Attachment 3 – Evaluation Criteria.
- a. Tenders must be completed in the format contained in Attachment 2 of this RFT. If offers do not comply with the format contained in Attachment 2, they will be deemed non-compliant and may not be accepted.
 - b. Tenders must be deposited in the required form in the Tender Box and the Electronic Tender Account by the closing time as specified in this RFT.
 - c. All tenders and related documentation in respect of this RFT may be presented in the English or Maori language. Tenders presented in Maori or any other language must be provided with an English translation.
 - d. Tenderers must tender to provide services for the whole of the works/goods/services as specified in the Tender Specifications.
 - e. Tenders must be presented in hard copy format and electronic copy format as specified in this RFT. Telefax tenders will not be accepted. For hard copy submissions there shall be 1 (one) original, 4 (four) hard copies presented.
 - f. All prices quoted must be landed inclusive of freight and relevant charges to the final point of delivery.
 - g. All prices must be in New Zealand dollars.

SPECIAL CONDITIONS

72. The PMU on behalf of the Principal will be responsible for coordinating and monitoring the Contractors work, ensuring health and safety and traffic management plans are implemented, and managing the liaison between the Contractor and consumers with ICI.
73. The project management role of the PMU, and the supervision role of GHD New Zealand Ltd, will require significant involvement in the daily activities of the Contract, and in particular the development and direction of the work program of the Contractor.
74. The Contractor must ensure night time availability of water to all consumers during construction of works where disruption to water supply to consumers.
75. ICI shall perform the role of Principal Advisor for this Contract. ICI shall provide field support and collaborate with the Supervision team (GHD New Zealand Ltd) in accordance with a Memorandum of Understanding (MOU). This MOU is attached in Attachment 4.

ATTACHMENT 1 – TENDER SPECIFICATION REQUIREMENTS

Tender Specifications

Construction shall be undertaken in accordance with the following:

- a. Infrastructure Cook Islands Technical Standards for Water Supply, 30 May 2014;
- b. PMU Te Mato Vai Ring Main Construction Works Construction Supervision Management Plan, April 2015;
- c. TENDER drawings:
 - i. Section 1: Network Commissioning Schematic Plans CIG-TMV-17/001
 - ii. Section 2: Inner Ring Commissioning CIG-TMV-17/002
 - iii. Section 3: Outer Ring Commissioning CIG-TMV-17/003
 - iv. Section 4: Commercial Commissioning CIG-TMV-17/004
 - v. Section 5: AVA-KAU Commissioning CIG-TMV-17/005

A set of CONSTRUCTION drawings will be issued prior to commencement of physical works.

- d. Memorandum of understanding between TMV PMU and ICI – Te Mato Vai Project Commissioning of Stage 1 Works (October 2016).

General Approach

The commissioning of the Stage 1 ring main will be undertaken on defined sectors at approximately every 1km around the island on both the inner and outer ring roads; there are approximately 60 sectors.

Several sectors may be worked on independently by the Contractor for non-disruptive works only. We expect more than sixty sectors to be included in the full scope of Contract Works.

Disruptive work will be undertaken on one sector at a time.

This process will be repeated until all sectors are commissioned and the entire Stage 1 ring main is live and supplying all connected consumers.

The sectors are generally defined as the extent within existing cross connections between the existing inner and outer ring roads around the island at 1km sections around Rarotonga.

The physical work will generally comprise:

- Phase 1 Enabling works and construction of non-disruptive infrastructure;
- Phase 2 Potentially disruptive works – cutting into the existing water supply network and making cross connections live.

During commissioning, each sector will be isolated from the existing ring main system. Supply to consumers from the old ring main will be kept continuous across the sector via by-passes at the sector boundaries and 'temporary connections' pipework as required.

Water supply to consumers must be maintained with minimal disruption.

Planning meetings between the PMU, the supervision team, ICI and the contractor will be held weekly (or daily if required) to:

- Identify sectors to be worked on during the upcoming week, this will include identification of any limitations with regards work areas/ zones;
- Review progress and lessons learned;
- Develop and confirm a weekly work program;
- Review and assign actions regarding liaison / coordination / landowner consultation requirements (consumers, utilities, etc.);
- Identify any potential water supply interruptions and ensure sufficient notice is given to consumers who may be affected;
- Confirm survey / investigation requirements; and
- Document updates and as built requirements.

As built drawings will be developed by the Contractor, based on the PMU and ICI as-built documents prepared to date (as regards the new ring main) and are required to include all new sub-main and service connections to consumer property boundaries.

METHODOLOGY FOR TENDERING

Sectors

The PMU will collaborate with the appointed Contractor and ICI, and develop and define suitable sector boundaries (boundaries at cross connections on the old ring main).

Non-disruptive Phase 1 works can be undertaken in several Sectors concurrently i.e. more than one Contractor can be employed at the same time.

INNER AND OUTER RING COMMISSIONING

Refer to Tender Drawings:

- CIG-TMV-17/001 Sheet 2 and 3.

All sub main to existing ring main connections within the sector are to be connected to the stage 1 ring main, to form a bypass arrangement around the existing cross connection to the existing ring main. Contractor to ensure that the Stage 1 ring main is thoroughly flushed out before any work can commence. Traffic Management Plans are to be prepared and approved by the Engineer, and managed by the contractor and adhered to by all personnel on all work sites.

PHASE 1: NON-DISRUPTIVE WORK

- Step 1. **Locate and mark out all services** including water mains i.e. ring mains (existing and Stage 1), sub mains, Aponga power and Bluesky service lines.
- Step 2. **Locate and confirm most suitable connection point on the existing cross connection pipe** between the submain and the existing ring main. This point will need to be closer to the Stage 1 ring main end and the contractor shall ensure that the new valves to be installed are located off the sealed road unless or otherwise approved by the GHD Supervision Engineer.
- Step 3. **Carefully excavate and confirm layout of existing assets** i.e. ring main, sub main and Stage 1 ring main, and confirm fittings required to assemble for setup of connection. Prepare excavated area ensuring it is free of any utility services and any obstacles, and safely secure site from any hazards by fencing, coning and with working warning lights setup on site.
- Step 4. **Assemble required fittings and prepare for installation**, ensuring that fittings are fastened, secured and free of dust and foreign matters. Clean and secure any open fittings before lowering into the trench, to prevent foreign matters from entering into the internal channel of the fittings.
- Step 5. **Measure and mark out area to cut into cross connection pipe** and ensure trench is ready for installation.

PHASE 2: POTENTIALLY DISRUPTIVE WORK

Disruptive Phase 2 works can only be undertaken within one Sector at a time i.e. only one Contractor will be employed at any given time.

- Step 6. **Close valves on existing ring main end** to prevent the cross connection pipeline from filling up and to allow the cross connection pipe to empty out any available water through the submain.
- Step 7. **Close valves on sub main end** of the cross connection pipeline to prevent water from entering into the working sector along the cross connection pipeline. As cross connection

points are basically at 1km intervals, there will be water filled into the submain to keep the rest of the submain outside of the working sector in operation.

- Step 8. **Cut out marked area on the cross connection pipeline and install assembled fittings** as per approval of the GHD Supervision Engineer.
- Step 9. **Continue installation of assembled fittings** towards the Stage 1 ring main and ensure that fittings are fastened and secured and with little to no stress on the pipeline.
- Step 10. After completion of installation of fittings, **construct thrust blocks** as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 8 of 12, and Sheet 9 of 12.
- Step 11. **Open valves required to flush out new cross connection** and liven up cross connection and sub main. Check new cross connection joints for any visible leakages or pipe deviations and ensure pipeline is secured under gravitational pressure. New pipeline is now ready for inspection to ensure all customers are fed from the new cross connection.
- Step 12. **Turn off existing ring main sector valves** to ensure all consumers are connected onto the sub main. At this point the sub main is been fed by the Stage 1 ring main through the new cross connection pipeline.
- Step 13. **Address any non- supply issues** with consumers as soon as possible.
- Step 14. Any consumer without any water supply to their property indicates that their service connection has been installed onto the existing ring main. These consumers are to be reconnected onto the sub main by the contractor as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 7 of 12.
- Step 15. Repeat the above steps for any remaining sections of the new cross connection so that the sub main is now completely fed from the Stage 1 ring main.
- Step 16. All existing sub mains are now being serviced by the stage 1 ring main through the new cross connection.
- Step 17. Leave overnight and monitor the supply of water to consumers as they are being fed off the Stage 1 ring main through the new cross connection – ensure consumers are aware of the communication protocols should water supply be disrupted or disconnected unexpectedly.
- Step 18. **Recover and provide to ICI all redundant valves and fittings.** These should be itemised by ICI and condition or any defects noted.
- Step 19. **Backfill.** All backfilling materials and methods are to be as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.
- Step 20. **Reinstate.** Clean and tidy up work site and reinstate to original state. Any damaged hedges and plants are to be replanted or replaced by the contractor.

Step 21. Any broken or damaged sections on sealed road should be compacted and reinstated as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.

Any redundant pipework may be abandoned subject to approval by the Principal.

Water is now supplied to all consumers in the Sector from the stage 1 ring main.

Repeat for all Sectors.

Only ICI have authority to open and close valves for the purposes of isolation or bypassing of flow.

COMMERCIAL PROPERTY CONNECTIONS

Refer to Tender Drawings:

- CIG-TMV-17/001 Sheet 4.

All Commercial Connection Spigot Saddles with Flange Outputs are to be E.F. Welded and connected onto the Stage 1 ring main unless otherwise approved by the GHD Supervision Engineer. Contractor to ensure that the Stage 1 ring main is thoroughly flushed out before any work can commence. Traffic Management Plans are to be carried out and managed by the contractor and adhered to by all personnel on all work sites.

PHASE 1: NON-DISRUPTIVE WORK

- Step 1. **Confirm site location for Commercial Connection** with the GHD Supervision Engineer from the listing in Tender Drawings: Details and Maps – Section 4: Commercial Commissioning CIG-TMV-17/004 Sheet 2 of 2.
- Step 2. **Locate and mark out all services** including water mains i.e. ring mains (existing and Stage 1), sub mains, Aponga power and Bluesky service lines.
- Step 3. Carefully **excavate confirmed location** on Stage 1 ring main within working sector, prepare area ensuring it is free of other utility services and any obstacles, and safely secure site from any hazards by fencing, coning and warning lights.
- Step 4. **Confirm fittings required** to install Commercial Connection from Stage 1 Ring Main to commercial property
- Step 5. **Assemble required fittings and prepare for installation**, ensuring that fittings are fastened, secured and free of dust and foreign matters. Clean and secure any open fittings before lowering into the trench, to prevent foreign matters from entering into the internal channel of the fittings.
- Step 6. **Install and connect assembled fittings** for commercial connections and ensure that the new connection is also connected to their existing pipeline within their property. All PE Spigot Saddle with Flange Outlet are to be E.F. Welded onto the Stage 1 ring main.
- Step 7. **Continue installation of newly installed commercial connection pipeline** until it is within the commercial property. All connections onto the existing commercial pipeline are to be installed inside the commercial property unless otherwise approved by the GHD Supervision Engineer.

PHASE 2: POTENTIALLY DISRUPTIVE WORK

- Step 8. **Turn off existing commercial connection** control valve, flush out commercial connection, cut, join and install new commercial connection from Stage 1 ring main to existing commercial connection.
- Step 9. **Open Commercial Connection valve** to flush out new commercial pipeline and to test the flow pressure of the new commercial connection. Flush out and flow checks for the new

commercial connections are to be performed and carried out before the new commercial connection is reconnected onto the commercial properties existing pipeline.

- Step 10. **Check for any visual leaks or pipe deviations** before backfilling can commence. Commercial Connections can only be backfilled after the approval of the GHD Supervision Engineer.
- Step 11. **Backfill.** All backfilling materials and methods are to be as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.
- Step 12. **Reinstate.** Clean and tidy up work site and reinstate to original state. Any damaged hedges and plants are to be replanted or replaced by the contractor.
- Step 13. Any broken or damaged sections on sealed road should be compacted and reinstated as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.

Any redundant pipework may be abandoned subject to approval by the Principal. No consumers should be affected by this if the above steps have been successfully undertaken.

Water is now supplied to all consumers in the Sector from the stage 1 ring main.

Repeat for all Sectors.

Only ICI have authority to open and close valves for the purposes of isolation or bypassing of flow.

AVAAVAROA TO KAUARE COMMISSIONING

All PE Spigot Saddles with Flange Outlet, PE couplings and PE joints are to be E.F. Welded and connected onto the Stage 1 ring mains and new PE branch mains unless otherwise approved by the GHD Supervision Engineer. Contractor to ensure that the Stage 1 ring main is thoroughly flushed out before any work can commence. Traffic Management Plans are to be carried out and managed by the contractor and adhered to by all personnel on all work sites.

Papaaroa Branch 1 and Branch 2

Refer to Tender Drawings:

- CIG-TMV-17/001 Sheet 5.

All PE Spigot Saddles with Flange Outlet, PE couplings and PE joints are to be E.F. Welded and connected onto the Stage 1 ring mains and new PE branch mains unless otherwise approved by the GHD Supervision Engineer. Contractor to ensure that the Stage 1 ring main is thoroughly flushed out before any work can commence. Traffic Management Plans are to be carried out and managed by the contractor and adhered to by all personnel on all work sites.

PHASE 1: NON-DISRUPTIVE WORK

- Step 1. **Locate and mark out all services** including water mains i.e. ring mains (existing and Stage 1), sub mains, Aponga power and Bluesky service lines.
- Step 2. **Locate and confirm suitable connection point** along the sub main pipe to install the Tee connection for the new Papaaroa Branch 1.
- Step 3. **Carefully excavate and confirm layout of sub main and confirm fittings** required to assemble for setup of connection. Prepare excavated area ensuring it is free of any utility services and any obstacles, and safely secure site from any hazards by fencing, coning and with working warning lights setup on site.
- Step 4. **Assemble required fittings and prepare for installation**, ensuring that fittings are fastened, secured and free of dust and foreign matters. Clean and secure any open fittings before lowering into the trench, to prevent foreign matters from entering into the internal channel of the fittings.
- Step 5. **Measure and mark out area to cut into the sub main pipe** and ensure trench is ready for installation.

PHASE 2: POTENTIALLY DISRUPTIVE WORK

- Step 6. **Close valves on existing sub main** end to prevent the sub main pipeline from filling up and to allow the sub main pipeline to empty out any available water.
- Step 7. **Cut out marked area on the sub main and install assembled fittings** as per approval of the GHD Supervision Engineer.
- Step 8. **Continue installation of assembled fittings** from the sub main towards the flush out point of Papaaroa Branch 1 and ensure that fittings are fastened and secured and with little to no stress on the pipeline.
- Step 9. After completion of installation of fittings, **construct thrust blocks** as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 8 of 12, and Sheet 9 of 12.

- Step 10. **Open valves** required to flush out new branch main and liven up branch main. Check new branch main joints for any visible leakages or pipe deviations and ensure pipeline is secured under gravitational pressure. New branch main is now ready for inspection to ensure all customers are connected onto the new branch main.
- Step 11. **Install Tee off for Papaaroa Branch2 from Papaaroa Branch1 branch main** and continue installation of assembled fittings from the new Papaaroa branch1 towards the flush out point of Papaaroa Branch2 and ensure that fittings are fastened and secured and with little to no stress on the pipeline.
- Step 12. **Address any non- supply issues** with consumers as soon as possible.
- Step 13. Any consumer without any water supply to their property indicates that their service connection has been installed onto the existing ring main. These consumers are to be reconnected onto the new branch mains or sub main by the contractor as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 7 of 12.
- Step 14. Repeat the above steps for any remaining sections of the new branch main so that the new branch mains are completely fed from the sub main.
- Step 15. All new branch mains are now being serviced by the sub main.
- Step 16. Leave overnight and monitor the supply of water to consumers as they are being fed off the new branch main through the sub main – ensure consumers are aware of the communication protocols should water supply be disrupted or disconnected unexpectedly.
- Step 17. All backfilling materials and methods are to be as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12.
- Step 18. **Clean and tidy up work site and reinstate to original state.** Any damaged hedges and plants are to be replanted or replaced by the contractor.
- Step 19. Any broken or damaged sections on sealed road should be **compacted and reinstated** as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.
- Any redundant pipework may be abandoned subject to approval by the Principal.
No consumers should be affected by this if the above steps have been successfully undertaken.

Water is now supplied to all consumers in the Sector from the stage 1 ring main.

Repeat for all Sectors.

Only ICI have authority to open and close valves for the purposes of isolation or bypassing of flow.

Kainuku Branch Main

Refer to Tender Drawings:

- CIG-TMV-17/001 Sheet 6.

All PE Spigot Saddles with Flange Outlet, PE couplings and PE joints are to be E.F. Welded and connected onto the Stage 1 ring mains and new PE branch mains unless otherwise approved by the GHD Supervision Engineer. Contractor to ensure that the Stage 1 ring main is thoroughly flushed out before any work can commence. Traffic Management Plans are to be carried out and managed by the contractor and adhered to by all personnel on all work sites.

PHASE 1: NON-DISRUPTIVE WORK

- Step 1. **Locate and mark out all services** including water mains i.e. ring mains (existing and Stage 1), sub mains, Aponga power and Bluesky service lines.
- Step 2. **Locate and confirm suitable connection point** along the sub main pipe to install the Tee connection for the new Kainuku Branch Main.
- Step 3. **Carefully excavate and confirm layout of sub main and confirm fittings required** to assemble for setup of connection. Prepare excavated area ensuring it is free of any utility services and any obstacles, and safely secure site from any hazards by fencing, coning and with working warning lights setup on site.
- Step 4. **Assemble required fittings and prepare for installation**, ensuring that fittings are fastened, secured and free of dust and foreign matters. Clean and secure any open fittings before lowering into the trench, to prevent foreign matters from entering into the internal channel of the fittings.
- Step 5. **Measure and mark out area to cut into the sub main pipe** and ensure trench is ready for installation.

PHASE 2: POTENTIALLY DISRUPTIVE WORK

- Step 6. **Close valves on existing sub main** end to prevent the sub main pipeline from filling up and to allow the sub main pipeline to empty out any available water.
- Step 7. **Cut out marked area on the sub main and install assembled fittings** as per approval of the GHD Supervision Engineer.
- Step 8. **Continue installation of assembled fittings** from the sub main end towards the flush out point of Kainuku Branch Main and ensure that fittings are fastened and secured and with little to no stress on the pipeline.
- Step 9. After completion of installation of fittings, **construct thrust blocks** as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 8 of 12, and Sheet 9 of 12.

- Step 10. **Open valves required to flush out new branch main and liven up branch main.** Check new branch main joints for any visible leakages or pipe deviations and ensure pipeline is secured under gravitational pressure. New branch main is now ready for inspection to ensure all customers are connected onto the new branch main.
- Step 11. **Address any non- supply issues** with consumers as soon as possible.
- Step 12. Any consumer without any water supply to their property indicates that their service connection has been installed onto the existing ring main. These consumers are to be reconnected onto the new branch mains or sub main by the contractor as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 7 of 12.
- Step 13. Repeat the above steps for any remaining sections of the new branch main so that the new branch mains are completely fed from the sub main.
- Step 14. All new branch mains are now being serviced by the sub main.
- Step 15. Leave overnight and monitor the supply of water to consumers as they are being fed off the new branch main through the sub main – ensure consumers are aware of the communication protocols should water supply be disrupted or disconnected unexpectedly.
- Step 16. **Backfill.** All backfilling materials and methods are to be as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.
- Step 17. **Reinstate.** Clean and tidy up work site and reinstate to original state. Any damaged hedges and plants are to be replanted or replaced by the contractor.
- Step 18. Any broken or damaged sections on sealed road should be compacted and reinstated as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.

Any redundant pipework may be abandoned subject to approval by the Principal.
No consumers should be affected by this if the above steps have been successfully undertaken.

Water is now supplied to all consumers in the Sector from the stage 1 ring main.

Repeat for all Sectors.

Only ICI have authority to open and close valves for the purposes of isolation or bypassing of flow.

John Wigmore Branch Main

Refer to Tender Drawings:

- CIG-TMV-17/001 Sheet 7.

All PE Spigot Saddles with Flange Outlet, PE couplings and PE joints are to be E.F. Welded and connected onto the Stage 1 ring mains and new PE branch mains unless otherwise approved by the GHD Supervision Engineer. Contractor to ensure that the Stage 1 ring main is thoroughly flushed out before any work can commence. Traffic Management Plans are to be carried out and managed by the contractor and adhered to by all personnel on all work sites.

PHASE 1: NON-DISRUPTIVE WORK

- Step 1. **Locate and mark out all services** including water mains i.e. ring mains (existing and Stage 1), sub mains, Aponga power and Bluesky service lines.
- Step 2. **Locate and confirm best connection point** along the existing branch main pipe to install the joint connection for the new John Wigmore Branch Main.
- Step 3. **Carefully excavate and confirm layout of existing branch main and confirm fittings** required to assemble for setup of connection. Prepare excavated area ensuring it is free of any utility services and any obstacles, and safely secure site from any hazards by fencing, coning and with working warning lights setup on site.
- Step 4. **Assemble required fittings and prepare for installation**, ensuring that fittings are fastened, secured and free of dust and foreign matters. Clean and secure any open fittings before lowering into the trench, to prevent foreign matters from entering into the internal channel of the fittings.
- Step 5. **Measure and mark out area to cut into the existing branch main pipe** and ensure trench is ready for installation.

PHASE 2: POTENTIALLY DISRUPTIVE WORK

- Step 6. **Close valves on existing branch main** end to prevent the existing branch main pipeline from filling up and to allow the existing branch main pipeline to empty out any available water.
- Step 7. **Cut out marked area on the existing branch main and install assembled fittings** as per approval of the GHD Supervision Engineer.
- Step 8. **Continue installation of assembled fittings from the existing branch main** end towards the new flush out point of John Wigmore Branch Main and ensure that fittings are fastened and secured and with little to no stress on the pipeline.
- Step 9. After completion of installation of fittings, **construct thrust blocks** as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 8 of 12, and Sheet 9 of 12.

- Step 10. **Open valves required to flush out new branch main and liven up branch main.** Check new branch main joints for any visible leakages or pipe deviations and ensure pipeline is secured under gravitational pressure. New branch main is now ready for inspection to ensure all customers are connected onto the new branch main.
- Step 11. **Address any non- supply issues** with consumers as soon as possible.
- Step 12. Any consumer without any water supply to their property indicates that their service connection has been installed onto the existing ring main. These consumers are to be reconnected onto the new branch mains or sub main by the contractor as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 7 of 12.
- Step 13. Repeat the above steps for any remaining sections of the new branch main so that the new branch mains are completely fed from the sub main.
- Step 14. All new branch mains are now being serviced by the sub main.
- Step 15. Leave overnight and monitor the supply of water to consumers as they are being fed off the new branch main through the sub main – ensure consumers are aware of the communication protocols should water supply be disrupted or disconnected unexpectedly.
- Step 16. **Backfill.** All backfilling materials and methods are to be as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.
- Step 17. **Reinstate.** Clean and tidy up work site and reinstate to original state. Any damaged hedges and plants are to be replanted or replaced by the contractor.
- Step 18. Any broken or damaged sections on sealed road should be compacted and reinstated as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.

Any redundant pipework may be abandoned subject to approval by the Principal.
No consumers should be affected by this if the above steps have been successfully undertaken.

Water is now supplied to all consumers in the Sector from the stage 1 ring main.

Repeat for all Sectors.

Only ICI have authority to open and close valves for the purposes of isolation or bypassing of flow.

New Cross Connection x3

Refer to Tender Drawings:

- CIG-TMV-17/001 Sheet 8 and 9.

All New Cross Connection Spigot Saddles with Flange Outputs are to be E.F. Welded and connected onto the Stage 1 ring main unless otherwise approved by the GHD Supervision Engineer. Contractor to ensure that the Stage 1 ring main is thoroughly flushed out before any work can commence. Traffic Management Plans are to be carried out and managed by the contractor and adhered to by all personnel on all work sites.

PHASE 1: NON-DISRUPTIVE WORK

- Step 1. **Confirm site location for all three new Cross Connections** with the GHD Supervision Engineer from the Tender Drawings: Details and Maps – Section 5: AVA – KAU Commissioning CIG-TMV-17/005 Sheet 1 of 12 and Sheet 2 of 12.
- Step 2. **Locate and mark out all services** including water mains i.e. ring mains (existing and Stage 1), sub mains, Aponga power and Bluesky service lines.
- Step 3. **Locate and confirm suitable connection point** along the Stage 1 ring main to install the new cross connection. The contractor to ensure that the new valves that are to be installed are located off the sealed road unless or otherwise approved by the Supervision Engineer.
- Step 4. **Carefully excavate and confirm layout** of existing ring main, sub main and Stage 1 ring main, and confirm fittings required to assemble for setup of connection. Prepare excavated area ensuring it is free of any utility services and any obstacles, and safely secure site from any hazards by fencing, coning and with working warning lights setup on site.
- Step 5. **Confirm fittings required to install new Cross Connection** from stage 1 Ring Main to sub main
- Step 6. **Assemble required fittings and prepare for installation**, ensuring that fittings are fastened, secured and free of dust and foreign matters. Clean and secure any open fittings before lowering into the trench, to prevent foreign matters from entering into the internal channel of the fittings.

PHASE 2: POTENTIALLY DISRUPTIVE WORK

- Step 7. **Close valves on existing ring main** end to prevent the ring main pipeline from filling up and to allow the ring main to empty out any available water through the ring main.
- Step 8. **Close valves on sub main end of the cross connection pipeline to prevent water from entering into the working sector along the cross connection pipeline.** As cross connection points are basically at 1km intervals, there will be water filled into the submain to keep the rest of the submain outside of the working sector in operation.

- Step 9. **Install and connect assembled fittings for new cross connections** and ensure that the new cross connection is connected from the Stage 1 ring main end to the existing sub main end. All PE Spigot Saddle with Flange Outlet are to be E.F. Welded onto the Stage 1 ring main.
- Step 10. **Ensure that all fittings both on the Stage 1 ring main end and the existing sub main end are installed are fastened and secured with little to no stress on the new cross connection.**
- Step 11. After completion of installation of fittings, **construct thrust blocks** as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 8 of 12, and Sheet 9 of 12.
- Step 12. **Open valves required to flush out new cross connection and liven up cross connection and sub main.** Check new cross connection joints for any visible leakages or pipe deviations and ensure pipeline is secured under gravitational pressure. New pipeline is now ready for inspection to ensure all customers are fed from the new cross connection.
- Step 13. **Address any non- supply issues** with consumers as soon as possible.
- Step 14. Any consumer without any water supply to their property indicates that their service connection has been installed onto the existing ring main. These consumers are to be reconnected onto the sub main by the contractor as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 7 of 12.
- Step 15. Repeat the above steps for any remaining sections of the new cross connection so that the sub main is now completely fed from the Stage 1 ring main.
- Step 16. All existing sub mains are now being serviced by the stage 1 ring main through the new cross connection.
- Step 17. Leave overnight and monitor the supply of water to consumers as they are being fed off the Stage 1 ring main through the new cross connection – ensure consumers are aware of the communication protocols should water supply be disrupted or disconnected unexpectedly.
- Step 18. **Backfill.** All backfilling materials and methods are to be as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.
- Step 19. **Reinstate.** Clean and tidy up work site and reinstate to original state. Any damaged hedges and plants are to be replanted or replaced by the contractor.
- Step 20. Any broken or damaged sections on sealed road should be compacted and reinstated as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.

Any redundant pipework may be abandoned subject to approval by the Principal. No consumers should be affected by this if the above steps have been successfully undertaken.

Water is now supplied to all consumers in the Sector from the stage 1 ring main.

Repeat for all Sectors.

Only ICI have authority to open and close valves for the purposes of isolation or bypassing of flow.

Terminate Existing Cross Connection and Re-Connect Branch Main

Refer to Tender Drawings:

- CIG-TMV-17/001 Sheet 10.

All four existing Cross Connections running on the existing ring main within the Avaavaroa to Kauare Sector are to be terminated as per Site plan.

Traffic Management Plans are to be carried out and managed by the contractor and adhered to by all personnel on all work sites.

PHASE 1: NON-DISRUPTIVE WORK

- Step 1. **Confirm site location for all four existing Cross Connections** as per site drawings with the GHD Supervision Engineer from the Tender Drawings: Details and Maps – Section 5: AVA – KAU Commissioning CIG-TMV-17/005 Sheet 2 of 12.
- Step 2. **Locate and mark out all services** including water mains i.e. ring mains (existing and Stage 1), sub mains, Aponga power and Bluesky service lines.
- Step 3. **Locate and confirm cross connection fittings** on the existing ring main to terminate and reconnect existing branch main.

PHASE 2: POTENTIALLY DISRUPTIVE WORK

- Step 4. **Close valves on existing ring main to prevent the cross connection pipeline from filling up** and to allow the cross connection pipe to empty out any available water through the submain.
- Step 5. **Close valves on sub main end of the cross connection pipeline to prevent water from entering into the working sector along the cross connection pipeline.** As cross connection points are basically at 1km intervals, there will be water filled into the submain to keep the rest of the submain outside of the working sector in operation.
- Step 6. **Carefully excavate and confirm layout** of existing ring main, sub main and Stage 1 ring main, and confirm fittings required to remove. Prepare excavated area ensuring it is free of any utility services and any obstacles, and safely secure site from any hazards by fencing, coning and with working warning lights setup on site.
- Step 7. **Remove all fittings from the existing cross connections** and ensure that there is a clear way for reconnection of the existing branch main.
- Step 8. **Reconnect existing branch main and ensure that all fittings are fastened and secured with little to no stress on the new cross connection.**
- Step 9. **Open valves** required to flush out newly reconnected branch main and liven up branch main. Check branch main connection joints for any visible leakages or pipe deviations and ensure pipeline is secured under gravitational pressure.
- Step 10. **Address any non- supply issues** with consumers as soon as possible.

- Step 11. Any consumer without any water supply to their property indicates that their service connection has been installed onto the existing ring main. These consumers are to be reconnected onto the sub main by the contractor as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 7 of 12.
- Step 12. Repeat the above steps for any remaining sections of the new cross connection so that the sub main is now completely fed from the Stage 1 ring main.
- Step 13. All existing branch mains are reconnected and are now being serviced by the stage 1 ring main through the new cross connection.
- Step 14. Leave overnight and monitor the supply of water to consumers as they are being fed off the Stage 1 ring main through the new cross connection – ensure consumers are aware of the communication protocols should water supply be disrupted or disconnected unexpectedly.
- Step 15. **Backfill.** All backfilling materials and methods are to be as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.
- Step 16. **Reinstate.** Clean and tidy up work site and reinstate to original state. Any damaged hedges and plants are to be replanted or replaced by the contractor.
- Step 17. Any broken or damaged sections on sealed road should be compacted and reinstated as per Tender Drawings: Details and Maps – Section 5: AVA-KAU Commissioning CIG-TMV-17/005 Sheet 10 of 12, Sheet 11 of 12 and sheet 12 of 12.

Any redundant pipework may be abandoned subject to approval by the Principal.
No consumers should be affected by this if the above steps have been successfully undertaken.

Water is now supplied to all consumers in the Sector from the stage 1 ring main.

Repeat for all Sectors.

Only ICI have authority to open and close valves for the purposes of isolation or bypassing of flow

ATTACHMENT 2 – TENDER FORMS TO BE SUBMITTED

Instructions

1. Tenderers must complete and submit all of the following forms, in the formats provided in this Attachment (where provided):

- a. **A1 – Tender Form**
- b. **A2 – Conflict of Interest Declaration**
- c. **A3 – Completed Schedule of Prices**
- d. **A4 – Proposed Subcontractors** (*if applicable*)
- e. **A5 – Preliminary delivery programme**
- f. **A6 – List of Referees**

2. Tenderers who fail to supply all of the items listed above, will be deemed non-compliant and will be excluded from the tender evaluation process.

A1 – Form of Tender

**Te Mato Vai Compound,
Avarua,
Rarotonga**

| | |
|--------------------|--|
| Tender For: | Commissioning of the Ring Main for the Te Mato Vai Project Stage 1 |
| Supplier: | |

Having examined the Tender Documents in relation to Tender Reference No. _____ and dated ___/___/___, released by **Ministry of Finance and Economic Management**, we submit the following offer.

We offer to complete, handover to the Principal and remedy defects in the whole of the said Tender Specifications in conformity with these Tender Documents for the values provided in the Completed Schedule of Prices in Schedule A3, stated exclusive of Value Added Tax, together with such other sums as may be ascertained in accordance with the Contract.

We acknowledge receipt of Notices _____ to _____.

We **agree/do not agree** to the Contract Terms in Attachment 4 of the said tender and do not propose any amendments.

We undertake to complete and handover of the **whole/parts** of the Contract Works/Goods/Services within the period stated in the Conditions of Tendering.

We agree to abide by this Tender for a period of one hundred and twenty (120) days from the date fixed for receiving the same and it shall remain binding upon us and may be accepted by you at any time before the expiry of that period.

Unless and until a Contract Agreement is prepared and executed, this Tender together with your written acceptance thereof, shall constitute a binding contract between us.

We understand that you are not bound to accept the lowest or any Tender you may receive.

We understand that no contract shall come into existence, and no legal or other obligations shall arise between us and you (or between us and any other agent of the Principal) in relation to the conduct, outcome or otherwise of the Tender process, prior to and apart from your acceptance of our Tender.

We understand that you may contact the referees nominated by us in this offer and make whatever enquiries you deem necessary regarding our financial health and ability to deliver the Contract Works/Goods/Services. Further, during the assessment stage we understand and agree that you may request specific information from all tenderers in order to assist your assessment. We acknowledge that a failure to provide such information may result in disqualification from the process.

We provide the following information required to be submitted with this Tender:

- A1 – **Tender Form**
- A2 – **Conflict of Interest Declaration**
- A3 – **Completed Schedule of Prices**

- A4 – **Proposed Subcontractors** (*if applicable*)
- A5 – **Preliminary delivery programme**
- A6 – **List of Referees** that the Principal may contact in relation to this offer.
- **Health and Safety Plan** prepared for a previous Cook Islands construction project (where possible).
- **Traffic Management Plan or Road Management Plan** prepared for a previous Cook Islands construction project (where possible).
- **CVs including all relevant qualifications and experience** for the following resources intended to be utilised for this Contract:
 - Contract Manager;
 - Team leader;
 - PE Welder;
 - Engineer / Draftsman / Surveyor;
 - Lead Plumber;
 - Electrician; and
 - Plant operator(s).
- Experience and qualifications must be provided for construction of pipework and associated valves and fittings of similar material and diameter to the scope of work for this Contract. Qualifications of plant operators intended to be utilised for this Contract e.g. Heavy trade vehicle license, heavy machinery operating and safety certification etc.
- Evidence of Warrant of Fitness for all plant intended to be utilised for the Contract Works.
- Statement that clearly demonstrates an understanding of the ‘Methodology for Tendering’ provided with the RFT. This methodology will be refined and is subject to change throughout the Contract, however the ‘Methodology for Tendering’ provided with the RFT provides the basis for undertaking the Contract Works.
- **As built documentation** prepared for a previous Cook Islands construction project (not mandatory). We understand that not all Contractors will have been required to provide or prepare asbuilt documentation, therefore we invite submission of **As built documentation** prepared for a previous Cook Islands construction project (where possible), however provision of this is not mandatory.

If the tenderer is unable to agree to any clauses included in the Conditions to the Contract, it must set out in a table form the clause reference, reason why the tenderer cannot accept it and proposed alternative wording.

Tenderers details:

Tenderers full name: _____

Tenderers trading name (if Company): _____

Contact person (if Company): _____

Postal address: _____

Physical address: _____

Phone number: _____

Mobile: _____

Email address: _____

| | |
|------------------|------------------------------|
| <i>Signature</i> | <i>Date</i> |
| _____ | _____ |
| <i>Full Name</i> | <i>Position (if Company)</i> |
| _____ | _____ |

A2 – Conflict of Interest Declaration

A conflict of interest arises if you or a close family member has an interest e.g. is a board or committee member or is employed in a senior position in the Government agency that wants to purchase the goods or services relating to this tender process.

In submitting this tender bid I declare:

- I understand that an actual, potential or perceived conflict of interest may arise in participating in this tender process and that I am obliged to declare any such conflict of interest.
- I confirm that in submitting this information that I have either declared any potential conflicts of interest or that I am not aware of any situation or issue that would conflict with the interest of the Principal.
- If a conflict of interest arises at any time before the selected supplier has been awarded, I will advise the Contact Officer or the Principal immediately.
- I have personally completed this declaration on behalf of the Supplier(s) and declare that the submitted tender bid provided are true and correct.

I declare that I have a potential conflict of interest as follows:

I will manage this conflict of interest by:

Declared by:

Signature

Date

Full Name

Position (if Company)

A3 – Completed Schedule of Prices

A3.1 Preamble to the Bill of Quantities

The following is to be read in conjunction with the Bill of Quantities document. Each item applies to the comparably named item as scheduled in the Bill of Quantities. Items prefixed with GEN are generic and apply to multiple scope items

GEN 1 Preliminary and General

GEN 1.1 Site Establishment and Disestablishment

This item shall allow for all costs in the establishment of the Contractor on site for the duration of each site, including the provisions for maintenance and removal of all temporary works, roads and access, temporary signage, vehicle wheel wash facilities where required, services of general costs for any water or ablution facilities, costs of transport to and from site for any plant, equipment or structures and their erection and maintenance, which are not directly chargeable to other scheduled items.

This establishment item shall also include the cost of supply, servicing and removal of any site accommodation, vehicle, plant and equipment, setting out costs, site security, telephone, safety measures, consents etc. and all other costs not chargeable to specific items in the bill of quantities.

This item shall include for installing, maintaining and removing traffic management in accordance with the Traffic Management Plan(s) for the specific site(s), and for all labour, plant materials for the completion of the works, including, but not limited to, the establishment, set out, installation, attending and unattended sites, inspections, repair, QA, all temporary road marking (removal and installation) required to implement the required traffic management, refurbishment of the traffic management hardware and subsequent disestablishments and / or establishments.

Payment shall be made as follows:

- (a) 20% of the lump sum on acceptance by the Engineer of all initial plans outlined above;
- (b) 70% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;
- (c) 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

GEN 1.2 Traffic Management Plan

This item allows for the preparation and implementation of a Project Pedestrian and Traffic Management Plan.

Payment shall be made as follows:

- (a) 20% of the lump sum on acceptance by the Engineer of all initial plans outlined above;
- (b) 80% of the Lump Sum at award of Practical Completion Certificate for site where connection installed.

GEN 1.3 Project Health and Safety Plan

This item allows for the preparation and implementation of a Project Health and Safety Plan.

Payment shall be made as follows:

- (a) 20% of the lump sum on acceptance by the Engineer of all initial plans outlined above;
- (b) 80% of the Lump Sum at award of Practical Completion Certificate for site where connection installed.

GEN 2 Inner Ring Commissioning

GEN 2.1 Connection to Old Ring Main

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of all fittings shown on the relevant drawing for connection to old ring main i.e. all **new** items on drawing excluding pipe, pipe bends and pipe joints;
3. Supply and placement of bedding and backfill; and
4. Reinstatement of ground surfaces.

Payment for this item shall be based on the following:

- (a) 90% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;
- 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

GEN 2.2 Connection to Existing Sub Main

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of all fittings shown on the relevant drawing for connection to sub main i.e. all **new** items on drawing excluding pipe, pipe bends and pipe joints;
3. Supply and placement of bedding and backfill; and
4. Reinstatement of ground surfaces.

Payment for this item shall be based on the following:

- (a) 90% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;
- (b) 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

GEN 2.3 Connection to Stage 1 Ring Main

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of all fittings shown on the relevant drawing for connection to Stage 1 ring main i.e. all **new** items on drawing excluding pipe, pipe bends and pipe joints;
3. Supply and placement of bedding and backfill; and
4. Reinstatement of ground surfaces.

Payment for this item shall be based on the following:

- (a) 90% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;
- (b) 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

GEN 2.4 Connection to Existing Cross Connection

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of all fittings shown on the relevant drawing for connection to existing cross connection i.e. all **new** items on drawing excluding pipe, pipe bends and pipe joints;
3. Supply and placement of bedding and backfill; and
4. Reinstatement of ground surfaces.

Payment for this item shall be based on the following:

- (a) 90% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;
- (b) 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

3 Tupapa

3.1 Tupapa Inner Ring

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of all fittings shown on the relevant drawing for connection to existing cross connection i.e. all new items on drawing excluding pipe, pipe bends and pipe joints;
3. Supply and placement of bedding and backfill; and
4. Reinstatement of ground surfaces.

Payment for this item shall be based on the following:

- (a) 90% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;
- (b) 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

3.2 Tupapa Outer Ring

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of all fittings shown on the relevant drawing for connection to existing cross connection i.e. all new items on drawing excluding pipe, pipe bends and pipe joints;
3. Supply and placement of bedding and backfill; and
4. Reinstatement of ground surfaces.

Payment for this item shall be based on the following:

- (a) 90% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;

- (b) 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

GEN 4 Commercial Property Connections

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of all fittings shown on the relevant drawing for connection to existing cross connection i.e. all new items on drawing excluding pipe, pipe bends and pipe joints;
3. Supply and placement of bedding and backfill; and
4. Reinstatement of ground surfaces.

Payment for this item shall be based on the following:

- (a) 90% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;
- (b) 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

GEN 5 Pipework

GEN 5.1 Buried Pipe

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of pipe lengths by open cut;
3. Installation includes trenching, pipe laying and jointing of pipes by the specified jointing system;
4. Item includes for all weld testing as per Technical Specification;
5. Installation of all pipe bends required;
6. Laying of detector tape as shown on the trench details;
7. Protection of existing services;
8. Supply and placement of bedding and backfill where required;
9. Backfilling of all excavation;
10. Reinstatement of ground surfaces to preconstruction condition;
11. Removal and appropriate disposal of all surplus and waste materials.

Any additional bends required to connect to existing pipes due to misalignment of the new pipes are to be supplied and installed by the Contractor at the Contractor's expense. Alignment of the final section of a pipe should not place the pipe under undue strain. The Principal shall approve the connection details and use of the bends.

Payment for this item shall be based on the following:

- (a) per linear metre of pipe installed where the measured length is from centre to centre of the fittings.

GEN 5.2 Pipeline Testing

Inspection and testing of new pipeline including supply of necessary fittings, test equipment, water, disposal of testing water and associated treatment.

Testing of mains shall take place before joints and fittings are covered. The Contractor in the presence of the Engineer or his representative shall carry out testing. All necessary testing apparatus is to be supplied by the Contractor. Testing is to be in accordance with the Technical Specification.

This item includes for:

1. Supply of all plant and water.
2. Temporary works.
3. Pressure testing.
4. Remedial work to locate and eliminate leaks if required.
5. Retesting if required.
6. Disposal of testing water.

The item shall be paid as a metre rate for pipeline passing testing.

GEN 5.3 Pipeline Flushing

This item includes for carrying out flushing on the pipeline before it is put into service. The Contractor shall provide in its Tender Price for all the costs associated with flushing.

The items for flushing shall include:

1. Supply of all plant.
2. Temporary works.
3. Suitably clean flushing water.
4. Safe disposal of water after flushing.
5. Verification of flushing completion as determined by a satisfactory NTU reading to the Engineers satisfaction.

The item shall be paid as a metre rate for pipeline flushed.

GEN 6 Other Connection Details / Fittings

This item includes for:

1. Safe storage of all materials once removed from the Principal's possession;
2. Installation of all fittings shown on the relevant drawing for connection to existing cross connection i.e. all new items on drawing excluding pipe, pipe bends and pipe joints;
3. Supply and placement of bedding and backfill; and
4. Reinstatement of ground surfaces.

Payment for this item shall be based on the following:

- (a) 90% of the Lump Sum at award of Practical Completion Certificate for site where connection installed;
- (b) 10% of the Lump Sum at 3 months after award of Practical Completion Certificate if no defects are remaining.

For a valve box, this item includes for:

1. Installation of the valve box and all associated fittings shown on the drawings;
2. Supply and placement of concrete encasing;

3. Supply and placement of bedding and backfill
4. Reinstatement of ground surfaces
5. Installation of in situ concrete benching to support fittings
6. Supply and installation of valve marker posts

Payment for this item shall be made for each valve box installed.

GEN 7 Thrust Blocks

This item includes for:

1. Supply and placement of concrete;
2. Supply and placement of bedding and backfill over and above that required for the pipe laid;
3. Reinstatement of ground surfaces over and above that required for the pipe laid;

Payment for this item shall be made for each Thrust Block installed.

GEN 8 Dayworks

All items under Dayworks are provisional and shall only be expended with prior approval of the Engineer. Daywork sheets shall be submitted daily within 24 hours and shall include the following details:

- (a) Hours worked and names of all labour used;
- (b) Hours worked, description and plant number of all Plant used;
- (c) Materials used in the execution of the works.

The following shall be considered:

- i. The rates and prices will be used to value Dayworks;
- ii. The rates and prices may be used to value variations to the Contract Works.

GEN 8.1 Labour

The hourly rate of physical works personnel will be paid for the total hours worked.

The total hours worked:

- (a) are defined as the hours when the person is working with other means of completing the work, if appropriate, so the operation is performed with maximum efficiency, and
- (b) does not include the time when the person is having breaks, or is unavailable, or is returning to depots at the end of each working day.

The hourly rate shall fully compensate for:

- i. the Contractor's profit, on-cost supervision, all insurances, statutory charges, levies, bonuses, incentives, public holidays, sick pay and holidays with pay and allowances; or
- ii. accommodation, sustenance and travelling costs, protective clothing and safety equipment, small tools and light plan, all clerical office and other overhead and incidental costs.

Tenderers shall list below the key personnel they intend to employ on the Contract Works along with corresponding hourly rates and CV's outlining their work experience and qualifications.

All rates and role description for all other resources to be employed / utilised shall also be supplied.

| KEY PERSONNEL (CV's to be supplied) | |
|--|-------------------------|
| Position / Role | Hourly rate (\$) |
| Contract manager | |
| Team Leader (must be fluent in English) | |
| PE Welder | |
| Engineer / Draftsman/ Surveyor | |
| Lead Plumber (must be fluent in English) | |
| OTHER RESOURCES | |
| Labourer | |
| Plumber | |
| Electrician | |
| Plant Operator | |
| Service locator | |
| <i>Tenderer is to list other equipment / plant items below that may be used to undertake the Contract Works.</i> | |
| | |
| | |

GEN 8.2 Plant

The hourly rate for hire of plant and equipment (plant) will be paid for the number of hours each item of plant was used.

The total hours worked is defined as the hours when the plant:

- (a) is working with other resources, if appropriate, so the operation is performed with maximum efficiency
- (b) is being established or disestablished under its own power to or from the nearest depot, or its previous work site, or the Limit of Works, whichever is the closer (unless it is cheaper to establish or disestablish the plant by other means)
- (c) is being loaded on to trucks and transporters, or

(d) has idle time of less than 10 minutes in any one hour.

The total hours worked must not include the time when:

- i. the plant is not working (this includes periods when the plant is broken down, being serviced, fuelled, etc. or transported, other than under its own power; or
- ii. there is idle time in excess of 10 minutes in any one hour.

The hourly rate shall fully compensate for the Contractor's profit, all insurances, statutory charges, levies, vehicle registration, fuel, consumables, repairs, maintenance, establishment charges, standby costs, plant associated facilities, storage, protective equipment, and all clerical, office and all other overhead and incidental costs.

The hourly rate must include the cost of the driver or operator irrespective of whether the plant is owned, hired or leased.

GEN 8.3 Material

Material prices shall be established at the time of requirement using market trade rates delivered to site.

Rates must include the costs of any storage, handling, protection, insurance, overhead charges and profits.

GEN 8.4 Temporary water supply

The Contractor shall provide an hourly rate for the provision of 'adequate' water to consumers for periods of no water supply that occurs when the old ring main is shut off.

Where service connections have been connected directly into the old ring main, the water supply will cease when the old ring main is turned off.

The Contractor shall allow for mobilisation and demobilisation of any equipment required to provide adequate water for consumers.

9.4 Open book philosophy

In the event of disagreement with respect to a claim for additional works that do not form part of the Services, the parties, through mutual agreement consistent with partnering, shall use first principles for substantiating the claim. This may mean the Contractor shall make available to the Principal, on a reasonable basis, its pricing information.

Commercial and price sensitive information provided by the Contractor to the Principal will be treated with the utmost confidentiality.

CONTRACT No.: **TMV-RFT.001/2017**
 CONTRACT: **Commissioning of the Ring Main for the Te Mato Vai Project Stage 1**
 CIG REFERENCE No: **161706**
 DATE: **18/07/2017**



1. Claims by the Contractor for payment and the value of payments made by the Principal to the Contractor in accordance with the General Conditions of Contract shall be based on the breakdown of the lump sum price of the Tender as stated in this Schedule.
 2. General obligations, overheads, profit, liabilities and the cost of complying with the provisions of the Conditions of Contract, where not separately itemised in the Schedule shall be deemed to be included in all prices given.

| SUMMARY SHEET | Unit | QTY | TOTAL | Tender (\$) |
|---|------------------|-----|-------|-------------|
| PRELIMINARY AND GENERAL | Total | 1 | | \$ - |
| SUB MAIN TO STAGE 1 RING MAIN CONNECTIONS INNER RING | Total | 1 | | \$ - |
| SUB MAIN TO STAGE 1 RING MAIN CONNECTIONS OUTER RING | Total | 1 | | \$ - |
| STAGE 1 RING MAIN COMMERCIAL CONNECTIONS PIPEWORK | Total | 1 | | \$ - |
| AVAVAROA TO KAUARE COMMISSIONING | Total | 1 | | \$ - |
| THRUST BLOCKS | Total | 1 | | \$ - |
| DAYWORKS (PROVISIONAL) | Total | 1 | | \$ - |
| | Sub-Total | | | \$ - |
| Principals Contingency | % | 10 | | \$ - |
| CONTRACT VALUE (Exc. VAT) | | | | \$ - |
| VAT | % | 15 | | \$ - |
| CONTRACT VALUE (Inc. VAT) | | | | \$ - |

| Site | Preamble Clause Reference | Drawing Reference | Schedule of Prices | Unit | Quantity | Rate (\$) | Tender (\$) |
|-----------------------|---------------------------|---------------------------------|---|------|----------|--------------|-------------|
| | GEN 1 | | PRELIMINARY AND GENERAL | | | | |
| Various | GEN 1.1 | | Site establishment and disestablishment etc. per site | No. | 30 | \$ | - |
| Various | GEN 1.2 | | Traffic Management Plan per site | No. | 30 | \$ | - |
| Various | GEN 1.3 | | Health and Safety Plan | LS | 1 | | |
| | | | | | | TOTAL | \$ - |
| | | | SUB MAIN TO STAGE 1 RING MAIN CONNECTIONS | | | | |
| | | | INNER RING | | | | |
| | | CIG-TMV-17/002 Sheet 1 - 2 | AVATIU CROSS CONNECTION | | | | |
| Avatiu | GEN 2.1 | | Connection to Old Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 3 - 4 | RUNWAY STORE CROSS CONNECTION | | | | |
| Runway Store | GEN 2.2 | | Connection to Existing Sub Main | LS | 1 | \$ | - |
| Runway Store | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 5 - 6 | TEPUKA PUMP STATION CROSS CONNECTION | | | | |
| Tepuka Pump Station | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Tepuka Pump Station | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 7 - 8 | GOLF CLUB CONNECTION | | | | |
| Golf Club | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Golf Club | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 9 - 10 | PRISON CROSS CONNECTION | | | | |
| Prison | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Prison | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 11 - 12 | CULTURE VILLAGE CROSS CONNECTION | | | | |
| Culture Village | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Culture Village | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 13 - 14 | G&S CONTRACTORS CROSS CONNECTION | | | | |
| G&S Contractors | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| G&S Contractors | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 15 - 16 | BETELA BRIDGE CROSS CONNECTION | | | | |
| Betela Bridge | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Betela Bridge | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 17 - 18 | TCI AROA BASE STATION CROSS CONNECTION | | | | |
| TCI Aroa Base Station | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| TCI Aroa Base Station | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 19 - 20 | NORMAN GEORGE CROSS CONNECTION | | | | |
| Norman George | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Norman George | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 21 - 22 | NIKOIA TAUIRA CROSS CONNECTION | | | | |
| Nikoia Tauira | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Nikoia Tauira | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/002 Sheet 23 - 24 | MARK UKA CROSS CONNECTION | | | | |
| Mark Uka | GEN 2.2 | | Connection to Existing Sub Main | LS | 1 | \$ | - |
| Mark Uka | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |

| Site | Preamble Clause Reference | Drawing Reference | Schedule of Prices | Unit | Quantity | Rate (\$) | Tender (\$) |
|----------------------|---------------------------|---------------------------------|--|------|----------|--------------|-------------|
| | | CIG-TMV-17/002 Sheet 25 - 26 | SABU MATAPO CROSS CONNECTION | | | | |
| Sabu Matapo | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Sabu Matapo | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/002 Sheet 27 - 28 | MIKE TERERUI CROSS CONNECTION | | | | |
| Mike Tererui | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Mike Tererui | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/002 Sheet 29 - 30 | TURANGI CROSS CONNECTION | | | | |
| Turangi | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Turangi | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/002 Sheet 31 - 32 | JAKE NUMANGA CROSS CONNECTION | | | | |
| Jake Numanga | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Jake Numanga | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/002 Sheet 33 - 34 | TIANOA KAPU CROSS CONNECTION | | | | |
| Tianoa Kapu | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Tianoa Kapu | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/002 Sheet 35 - 37 | TETUPU APERA CROSS CONNECTION | | | | |
| Tetepu Area | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Tetepu Area | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/002 Sheet 38 | TUPAPA INNER RING CONNECTION | | | | |
| Tupapa | 3.1 | | DN200mm PE to DN225mm PE Pipeline Joint | LS | 1 | | |
| | | | | | | TOTAL | \$ - |
| | | | SUB MAIN TO STAGE 1 RING MAIN CONNECTIONS | | | | |
| | | | OUTER RING | | | | |
| | | CIG-TMV-17/003 Sheet 1 - 2 | GEORGE KARIKA CROSS CONNECTION | | | | |
| George Karika | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| George Karika | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/003 Sheet 3 - 4 | OLD MOIP OFFICE CROSS CONNECTION | | | | |
| Old MOIP | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Old MOIP | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/003 Sheet 5 - 6 | TOM TEPAI CROSS CONNECTION | | | | |
| Tom Tepai | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Tom Tepai | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/003 Sheet 7 - 8 | ARORANGI SDA CHURCH CROSS CONNECTION | | | | |
| Arorangi SDA Church | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Arorangi SDA Church | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/003 Sheet 9 - 10 | BETELA MEETING HOUSE CROSS CONNECTION | | | | |
| Betela Meeting House | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Betela Meeting House | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/003 Sheet 11 - 12 | KAENA STORE CROSS CONNECTION | | | | |
| Kaena Store | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Kaena Store | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |
| | | CIG-TMV-17/003 Sheet 13 - 14 | RUTAKI BRIDGE CROSS CONNECTION | | | | |
| Kaena Store | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | | \$ - |
| Kaena Store | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | | \$ - |

| Site | Preamble Clause Reference | Drawing Reference | Schedule of Prices | Unit | Quantity | Rate (\$) | Tender (\$) |
|-----------------------|---------------------------|---------------------------------|---|------|----------|--------------|-------------|
| | | CIG-TMV-17/003 Sheet 15 - 16 | NGATOE CROSS CONNECTION | | | | |
| Ngatoe | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Ngatoe | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 17 - 18 | JOE MANUEL CROSS CONNECTION | | | | |
| Joe Manuel | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Joe Manuel | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 19 - 20 | TAIPARA CROSS CONNECTION | | | | |
| Taipara | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Taipara | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/005 Sheet 13 - 14 | TOTOKOITU CROSS CONNECTION | | | | |
| Totokoitu | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Totokoitu | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 21 - 22 | MATAPO CROSS CONNECTION | | | | |
| Matapo | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Matapo | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/005 Sheet 15 - 16 | PAPAAROA CROSS CONNECTION | | | | |
| Papaaroa | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Papaaroa | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 23 - 24 | KAUARE CROSS CONNECTION | | | | |
| Kauare | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Kauare | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 25 - 26 | MAIRE NUI GARDEN CROSS CONNECTION | | | | |
| Maire Nui Garden | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Maire Nui Garden | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 27 - 28 | NGATEINA CROSS CONNECTION | | | | |
| Ngateina | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Ngateina | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 29 - 30 | BAHAI CROSS CONNECTION | | | | |
| Bahai | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Bahai | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 31 - 32 | TAURI SHEPHERD OFFICE CROSS CONNECTION | | | | |
| Tauri Shephert Office | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Tauri Shephert Office | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 33 - 34 | MAINLINE BROWN CROSS CONNECTION | | | | |
| Mainline Brown | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Mainline Brown | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 35 - 37 | PERFUME FACTORY CROSS CONNECTION | | | | |
| Perfume Factory | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Perfume Factory | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 38 - 39 | FISHING CLUB CROSS CONNECTION | | | | |
| Fishing Club | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Fishing Club | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 40 - 41 | TUPAPA OUTPATIENT CROSS CONNECTION | | | | |
| Tupapa Outpatient | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Tupapa Outpatient | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 41 - 42 | TUPAPA OUTER RING CONNECTION | | | | |
| Tupapa Outer Ring | 3.2 | | DN200mm PE to DN225mm PE Pipeline Joint | LS | 1 | \$ | - |
| | | CIG-TMV-17/003 Sheet 38 - 39 | FISHING CLUB CROSS CONNECTION | | | | |
| Fishing Club | GEN 2.4 | | Connection to Existing Cross Connection | LS | 1 | \$ | - |
| Fishing Club | GEN 2.3 | | Connection to Stage 1 Ring Main | LS | 1 | \$ | - |
| | | | | | | TOTAL | \$ - |

| Site | Preamble Clause Reference | Drawing Reference | Schedule of Prices | Unit | Quantity | Rate (\$) | Tender (\$) |
|-------------------------|---------------------------|-----------------------------|---|------|----------|--------------|-------------|
| | | CIG-TMV-17/004 Sheet 1-2 | STAGE 1 RING MAIN COMMERCIAL CONNECTIONS | | | | |
| Edgewater Resort | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 3 | | |
| Edgewater Resort | GEN 4 | | DN280/DN225 x DN80 Commercial Connection | LS | 1 | | |
| Crown Beach Motel | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Manuia Beach | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Magic Reef | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Arorangi School | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Paikura Reef Lodge | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Aroa Sea Breeze | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Rarotonga Beach Resort | GEN 4 | | DN280/DN225 x DN150 Commercial Connection | LS | 1 | | |
| Kauvai Motel | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Rarotonga Apartments | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Moana Sands Motel | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Little Polynesian Motel | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Air Raro House | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Te Manava | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Nautilus Resort | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Vara Backpackers | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Muri Beachcomber | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| The Pacific Resort | GEN 4 | | DN280/DN225 x DN80 Commercial Connection | LS | 1 | | |
| Te Vara Nui | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Muri Beach Club Resort | GEN 4 | | DN280/DN225 x DN80 Commercial Connection | LS | 1 | | |
| Flame Tree | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Avana Combo | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Kake Ra Apartments | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| KiiKii Motel | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Club Raro Resort | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| Prison Water Tank | GEN 4 | | DN280/DN225 x DN50 Commercial Connection | LS | 1 | | |
| | | | | | | | |
| | | | | | | TOTAL | \$ - |
| | | | | | | | |
| | | All | PIPEWORK | | | | |
| Various | GEN 5.1 | | DN280mm PE100 PN10 SDR17 buried pipe | m | 12 | \$ | - |
| Various | GEN 5.2 | | DN280mm pipeline testing | m | 12 | \$ | - |
| Various | GEN 5.3 | | DN280mm OD pipeline flushing | m | 12 | \$ | - |
| Various | GEN 5.1 | | DN225mm PE100 PN10 SDR17 buried pipe | m | 12 | \$ | - |
| Various | GEN 5.2 | | DN225mm pipeline testing | m | 12 | \$ | - |
| Various | GEN 5.3 | | DN225mm pipeline flushing | m | 12 | \$ | - |
| Various | GEN 5.1 | | DN200mm PE100 PN10 SDR17 buried pipe | m | 48 | \$ | - |
| Various | GEN 5.2 | | DN200mm pipeline testing | m | 48 | \$ | - |
| Various | GEN 5.3 | | DN200mm pipeline flushing | m | 48 | \$ | - |
| Various | GEN 5.1 | | DN90mm PE100 PN10 SDR17 buried pipe | m | 1301 | \$ | - |
| Various | GEN 5.2 | | DN90mm pipeline testing | m | 1301 | \$ | - |
| Various | GEN 5.3 | | DN90mm pipeline flushing | m | 1301 | \$ | - |
| Various | GEN 5.1 | | DN63mm PE100 PN10 SDR17 buried pipe | m | 1135 | \$ | - |
| Various | GEN 5.2 | | DN63mm pipeline testing | m | 1135 | \$ | - |
| Various | GEN 5.3 | | DN63mm pipeline flushing | m | 1135 | \$ | - |
| Various | GEN 5.1 | | DN25mm PE100 PN10 SDR17 buried pipe | m | 6000 | \$ | - |
| Various | GEN 5.2 | | DN25mm pipeline testing | m | 6000 | \$ | - |
| Various | GEN 5.3 | | DN25mm pipeline flushing | m | 6000 | \$ | - |
| Various | GEN 5.1 | | DN250mm oPVC PN12.5 RRI Class D buried pipe | m | 6 | \$ | - |
| Various | GEN 5.2 | | DN250mm pipeline testing | m | 6 | \$ | - |
| Various | GEN 5.3 | | DN250mm pipeline flushing | m | 6 | \$ | - |
| Various | GEN 5.1 | | DN200mm oPVC PN12.5 RRI Class D buried pipe | m | 212 | \$ | - |
| Various | GEN 5.2 | | DN200mm pipeline testing | m | 212 | \$ | - |
| Various | GEN 5.3 | | DN200mm pipeline flushing | m | 212 | \$ | - |
| Various | GEN 5.1 | | DN150mm oPVC PN12.5 RRI Class D buried pipe | m | 68 | \$ | - |
| Various | GEN 5.2 | | DN150mm pipeline testing | m | 68 | \$ | - |
| Various | GEN 5.3 | | DN150mm pipeline flushing | m | 68 | \$ | - |
| Various | GEN 5.1 | | DN80mm uPVC PN12.5 RRI Class D buried pipe | m | 112 | \$ | - |
| Various | GEN 5.2 | | DN80mm pipeline testing | m | 112 | \$ | - |
| Various | GEN 5.3 | | DN80mm pipeline flushing | m | 112 | \$ | - |
| Various | GEN 5.1 | | DN50mm oPVC PN12.5 Class D buried pipe | m | 336 | \$ | - |
| Various | GEN 5.2 | | DN50mm pipeline testing | m | 336 | \$ | - |
| Various | GEN 5.3 | | DN50mm pipeline flushing | m | 336 | \$ | - |
| | | | | | | | |
| | | | | | | TOTAL | \$ - |

A4 – Proposed Subcontractors (if applicable)

Subcontractor details:

Subcontractors full name:

Subcontractor s trading name (if Company):

Contact person (if Company):

Postal address:

Physical address:

Phone number:

Mobile:

Email address:

Works/Skills to be performed:

Educational/Technical Qualifications:

Work Experience:

Potential or Actual Conflicts of Interest:

A6 – List of Referees who may be Contacted (minimum 2)

Name: _____

Company: _____

Address: _____

E-mail Address: _____

Phone No.: _____

Facsimile No.: _____

Nature of Relationship with Tenderer: _____

Name: _____

Company: _____

Address: _____

E-mail Address: _____

Phone No.: _____

Facsimile No.: _____

Nature of Relationship with Tenderer: _____

Name: _____

Company: _____

Address: _____

E-mail Address: _____

Phone No.: _____

Facsimile No.: _____

*Nature of Relationship with
Tenderer:* _____

Name: _____

Company: _____

Address: _____

E-mail Address: _____

Phone No.: _____

Facsimile No.: _____

*Nature of Relationship with
Tenderer:* _____

ATTACHMENT 3 – EVALUATION CRITERIA

The Mandatory Conditions have been drawn from the Conditions of Tendering in this RFT. Tenders that do not meet the Mandatory Conditions are deemed non-compliant, and will not proceed into Evaluation.

Mandatory Conditions

Tenders must pass all of the following requirements. Tenders that do not meet one or more of these conditions are deemed non-compliant and will not be considered.

| Criterion | Complies Yes or No |
|--|-------------------------------|
| 1. Tenders must be completed in the format contained in Attachment 2 of this RFT. | |
| 2. Tenders must be deposited in the required form in the Tender Box and the Electronic Tender Account by the closing time as specified in the RFT. | |
| 3. Proposal and related documentation must be in the English language or translated into English. | |
| 4. Tenderers must tender to provide services the whole of the works/goods/services specified in the RFT | |
| 5. Tenders must be presented in hard copy format and electronic copy format as specified in this RFT. | |
| 6. All prices quoted must be landed inclusive of freight and relevant charges to final point of delivery | |
| 7. All prices must be in New Zealand dollars. | |

Evaluation Criteria

A Weighted Criteria methodology will apply to the evaluation of this RFT as follows:

| Criteria | Weight % |
|--|---------------------|
| <u>Non-Price Criteria</u> | |
| 1. Locally established company or use of local resources (labour and/or materials) | 15 |
| 2. Acceptance of the contract terms | 5 |
| 3. Relevant skills and key personnel | 15 |
| 4. Experience and ability related to services | 15 |
| <u>Total Non-Price Elements</u> | 50 |
| Price | 50 |
| TOTAL WEIGHTING | 100 |

Risk

The Evaluation Committee will conduct a Risk Assessment for each Tender submitted. This will identify the most significant risks presented by the Tender and consider the likelihood of the risk occurring; the consequence of that risk; and a risk mitigation strategy. In conclusion, the mitigated risk will be determined to form an overall measure of the risk represented by each Tender.

The risk mitigation strategy may include the inclusion of specific clauses in the executed contract. Therefore, a Tender considered to be high risk might still be selected subject to the Tenderer's willingness to accept the proposed contract amendments.

ATTACHMENT 4 – MEMORANDUM OF UNDERSTANDING



MEMORANDUM OF UNDERSTANDING

BETWEEN TMV PMU and ICI

Te Mato Vai Project Commissioning of Stage 1 Works

1. Background

The Construction of the Cook Islands "Te Mato Vai" Water Upgrade Project is being delivered in two Stages. Stage 1 the "Ring Mains Upgrade" encompasses the replacement of the majority of the existing ring mains network which has commenced in April 2014.

Under this contract, the Government will be procuring the services of contractors for the Commissioning of the new Ring Main for the Te Mato Vai Project Stage 1. These services will include the procurement of the necessary plant and equipment and labour to undertake the works on a day works basis

The commissioning and livening up of the ring main will be undertaken on sectors of the ring main, one at a time around the island. This process will be repeated until all the sectors have been livened up and the complete new ring main is live and supplying all consumers.

Each sector under commissioning will be effectively isolated from the existing ring main system during commissioning. A live ring main system itself will be kept continuous around the island and across the sector via by-passes at the sector boundaries and include temporary connections pipework as required.

The water supply will be maintained to consumers within the sector with minimal disruption during the commissioning process via temporary connections and using the by-pass setups as required. The scope of the work will be carried out in two phases:

- (a) Phase 1 - Non-disruptive work (where the current water supply is not disrupted) This will include the installation of pipework from the new ring main up to the old system and bypass connections for the old and new ring mains around the sector
- (b) Phase 2 - Livening up the feed from the new ring main, the disconnection the old ring main, and the testing the supply of water to all consumers in the sector. (This will involve a temporary disruption of water supplies to consumers)

The supervision of the commissioning contract will be undertaken by GHD Limited under contract to the Government (MFEM). Project management will be provided by the Project Management Unit (PMU) with the technical support of Infrastructure Cook Islands (ICI).

The parties (PMU and ICI) wish to enter into this Memorandum of Understanding with the intention of confirm the relationship and roles of the parties in undertaking the supervision of the Commissioning contract.

THE PARTIES AGREE

2 Purpose

2.1 The purpose of this Memorandum of Understanding between the parties is to:

- recognize the relationship between the parties;

- establish the processes for interaction between the parties;
- 2.2 The parties also agree that this Memorandum of Understanding is not intended to:
- prescribe what each party does;
 - constitute a legally binding agreement on the parties;
- 3. Project Roles of the Parties**
- 3.1 The **PMU**, with their supervision contractor GHD Limited will be undertake overall contract supervision and provide direction on the works program on a weekly basis and provide other project management services as may be required. The **PMU** will also be responsible for issuing public notices informing the public on the commissioning process. The **PMU** will manage weekly progress and planning meetings with the Stage 1 contractor
- 3.2 **ICI** will be providing services to **PMU** which will include; locating all pipes and fittings and connection locations that will be affected by the commissioning work ahead of the contract works. **ICI** is the only authorised entity to close and open valves on the ring main, submains and trunk mains on both the old and new network. **ICI** will also provide technical assistance and advice to the contractor during the testing and evaluation of the new water supply network.
- 4. Resources to be provided by the Parties**
- 4.1 The **PMU**, with their supervision contractor GHD Limited will provide a fully staffed supervision team (Site engineers, administrative staff), office facilities and transport sufficient to undertake daily on site supervision of the commissioning contractor works and contract administration services and to support public information services. The **PMU** will work closely with **MFEM** to ensure that there is funding available to pay all public servants, involved with the commissioning project, overtime as per the Cook Islands Government Public Service Manual 2016. The **PMU** will work closely with **ICI** to ensure that there are sufficient materials for repairs during the construction works and also sufficient materials for temporary connections that may be required to be installed during the decommissioning of the old ringmain.
- 4.2 **ICI** will provide site servicing services to the **PMU** which will include a sufficiently skilled and experienced independent team to identify current and new water supply services (all pipes, connections) associated with the commissioning process water and in advance of the commissioning works and also repair any damages that may occur on site caused by the contractor. The team will also have the skill and experience and authority to provide technical advice and manage the contractor in diverting flow and generally in managing the supply to all consumers. The team will also have sufficient transport and communication resources to enable it maintains contact with the supervision team and to provide onsite presence when required.
- ICI** will also provide the resources and facilities to manage and operate a hotline service to consumers throughout the commissioning period.
- 5. Processes for Interaction**
- 5.1 The Parties will maintain regular daily communication and will be represented at all project work planning meetings and progress meetings called by the **PMU** during the commissioning period

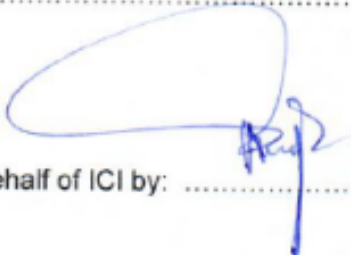
This Memorandum was signed by PMU and ICI:

this 28th day of October 2016.

Signed on behalf of PMU by: 

E. D. MAYSON
Name (Print)

28/10/2016
Date

Signed on behalf of ICI by: 

N. ANNETUN
Name (Print)

28th October 2016
Date

ATTACHMENT 5 – CONTRACT CONDITIONS

Contract Agreement

| | | |
|-------------------------------------|---------------------------------------|--------------------|
| CONTRACT FOR | Click to enter text | (Contract name) |
| CONTRACT NUMBER | Click to enter text | (Number) |
| THIS AGREEMENT is made on | Click to enter a date | |
| BETWEEN | Click to enter text | (‘the Contractor’) |
| AND | Click to enter text | (‘the Principal’) |

IT IS AGREED as follows:

1. The Contractor shall carry out the obligations imposed on the Contractor by the Contract.
2. The Principal shall pay the Contractor the sum of \$ **aa** or such greater or lesser sum as shall become payable under the Contract together with value added tax at the times and in the manner provided in the Contract.
3. Each party agrees to the terms and conditions as set out in the Contract.
4. The Contract comprises the following documents:
 - (a) This Contract Agreement;
 - (b) The notification of acceptance of tender or award of Contract;
 - (c) The following post-tender documents (*Identify any agreed post-tender documents to be included, for example correspondence or minutes or pre-award meetings dealing with tender tags, and so on*):
[Click to enter text](#)
 - (d) The Contractor’s tender;
 - (e) Notices to tenderers (*Give details with dates*):
[Click to enter text](#)
 - (f) Schedule 1: Special Conditions of Contract – Specific Conditions of Contract;
 - (g) Schedule 2: Special Conditions of Contract – Other Conditions of Contract;
 - (h) The General Conditions of Contract NZS 3910:2013 (including other Schedules) and any reference to New Zealand in NZS 3910:2013 are to be read as a reference to the Cook Islands;
 - (i) Specifications issued prior to the Date of Acceptance of Tender;
 - (j) Drawings issued prior to the Date of Acceptance of Tender;
 - (k) The Schedule of Prices; (*Select if **NOT** applicable*)
 - (l) The Schedule to the Conditions of Tendering;
 - (m) The Conditions of Tendering; and
 - (n) The following additional documents (*Identify any additional documents to be included*):
[Click to enter text](#)
5. This Contract shall constitute the entire agreement between the parties. This Contract supersedes all prior negotiations, representations, and warranties, except insofar as the same are expressly incorporated herein.

SIGNED BY [Click to enter text or paste signature](#) Authorised Signatory of Contractor

SIGNED BY [Click to enter text or paste signature](#) Authorised Signatory of Principal

Schedule 1: Special Conditions of Contract – Specific Conditions of Contract

| | |
|---------------|--|
| Contract for: | Commissioning of the Ring Main for the Te Mato Vai Project Stage 1 |
|---------------|--|

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|---|--|--|
| 1. | INTERPRETATION | |
| 1.2 | Definitions | |
| | The Principals: | Her Majesty the Queen in right of the Government of the Cook Islands by and through the Financial Secretary |
| | of: | Te Mato Vai PMU Ministry of Finance and Economic Management 1 st Floor, Takuvaine Road, Avarua, Rarotonga, Cook Islands |
| 1.2, 10.2 | Separable Portions | |
| | • Are there any Separable Portions in this Contract? | No |
| | • If yes, the Separable Portions are as follows and as further defined in the Contract: | Click to enter reference |
| 2. | THE CONTRACT | |
| 2.1 | Type of contract | |
| 2.1.1 | This Contract is a: | <i>(select one to apply (a), (b), or (c))</i> |
| | (a) Lump sum contract governed by 2.2; | <input type="checkbox"/> |
| | (b) Measure and value contract governed by 2.3; | <input checked="" type="checkbox"/> |
| | (c) Cost reimbursement contract governed by 2.4. | <input type="checkbox"/> |
| 2.4 | Cost reimbursement contract | |
| 2.4.1 | Allowance(s) which are to be added to Net Cost in a cost reimbursement contract or for parts of the Contract Works which are required to be carried out on a cost reimbursement basis: <i>(If percentages are shown as zero or nil, allowances for overheads and profit are deemed to be included in Net Cost.)</i> | |
| | • Allowance for On-site Overheads: | N/A (%) |
| | • Allowance for Off-site Overheads and Profit: | N/A (%) |
| 2.4.4 | Indicative estimates of the Contract Price: | |
| | Are indicative estimates required? | No |
| 2.5 | Local authority contracts, contracts in public places, and road contracts | |
| 2.5.1 | Is this Contract a local authority contract to which 2.5.2 applies? | No |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|--|--|---|
| 2.5.3 | Is this Contract a contract in a public place to which B1 and B2 of Appendix B apply? | No |
| 2.5.4 | Is this Contract a road contract to which Appendix B applies? If yes, the allowance under B3 shall be: | No Click to enter number (number of Working Day) |
| 2.6 | Evidence of Contract | |
| 2.6.2 | How is the Contract Agreement to be executed? (a) As stated in 2.6.2; (b) In accordance with the following other requirements: | <i>(select one to apply, (a) or (b))</i> <input checked="" type="checkbox"/> <input type="checkbox"/> Click to enter requirements |
| 2.7 | Documents prepared by the Engineer or Principal | |
| 2.7.1 | Copies of the Contract shall be supplied without charge to the Contractor in the following electronic form: | A pdf scan of the signed documents. |
| 2.8 | Documents prepared by the Contractor | |
| 2.8.2 | Copies of documents referred to in 2.8.2 shall be supplied without charge to the Engineer: • Number of hard copy sets: • In the following electronic form: pdf | 4 1 |
| 3. | BONDS | |
| 3.1 | Contractor's Bond | |
| 3.1.1 | Is a Contractor's Bond required? | No |
| 3.1.2 | If yes, the amount of the Contractor's Bond shall be: | (\$) |
| 3.2 | Principal's Bond | |
| 3.2.1 | Is a Principal's Bond required? | No |
| 3.2.2 | If yes: • The amount of the Principal's Bond shall be: • The surety for the Principal's Bond shall be: | (\$) Click to enter amount Click to enter text |
| 5. | GENERAL OBLIGATIONS | |
| 5.4 | Possession of the Site | |
| 5.4.1 | The Contractor shall be given possession of the Site (a) 10 Working Days after the Date of Acceptance of Tender: (b) On the following date: | <i>(select one to apply, (a) or (b))</i> <input type="checkbox"/> <input checked="" type="checkbox"/> To be agreed at Contract award. |
| 5.4.3 | Limits on the Contractor's right of entry to adjoining properties are: | To be agreed at Contract award. |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|--|---|---|
| 5.5 | Separate Contractors | |
| 5.5.1 | Separate Contractors who may be carrying out work on the Site concurrently with the Contract Works are: | N/A |
| 5.5.2 | Are facilities for Separate Contractors required? If yes, details of facilities required are: | Select yes or no Click to enter text |
| 5.6 | Care of the works and Site | |
| 5.6.6(g) | Further risks specifically excepted are: | None |
| 5.10 | Programme | |
| 5.10.4 | Is the programme required to be a Comprehensive Programme? | No |
| 5.10.4(e) | If yes, other requirements for the Comprehensive Programme are: | Click to enter text |
| 5.10.5 | The Comprehensive Programme shall use the following software: | Click to enter text |
| 5.10.6 | Updates of the Comprehensive Programme shall be provided at the following intervals: | Click to enter text |
| 5.11 | Compliance with laws | |
| 5.11.3 | Exceptions to the Principal's obligations to obtain licences under 5.11.3 are: | None |
| 5.11.4 | Exceptions to the Contractor's obligation to give notices and obtain other licences under 5.11.4 are: | None |
| 5.17 | Safety plan | |
| 5.17 | Is a Site-specific safety plan required to be prepared by the Contractor? | Yes |
| 5.18 | Quality plan | |
| 5.18 | Is a quality plan required to be prepared by the Contractor? | Yes |
| 5.19 | Traffic management plan | |
| 5.19 | Is a traffic management plan required to be prepared by the Contractor? | Yes |
| 5.20 | As-built drawings and operation and maintenance manuals | |
| 5.20.1(a) | Are as-built drawings required to be prepared by the Contractor? | Yes |
| 5.20.1(b) | Are operation and maintenance manuals required to be prepared by the Contractor? | No |
| 6. | THE ENGINEER | |
| 6.1 | Appointment of Engineer | |
| 6.1.2 | The Engineer is: | Scott Cairney |
| 6.1.2 | whose professional qualification is: | BE, MIPENZ, CPEng |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|--|---|---|
| 8. | INSURANCES | |
| 8.1 | General | |
| 8.1.1 | The party identified below shall arrange the following insurances referred to in the following clauses: | |
| | 8.3 or 8.8 Construction | Contractor |
| | 8.8 Existing structure(s) and contents | Not required |
| | 8.4 Plant | Contractor |
| | 8.5 or 8.9 Public liability | Contractor |
| | 8.5.2 Motor vehicle liability | Contractor |
| | 8.6 Professional indemnity | Not required |
| 8.1.6 | The following forces of nature shall be specifically insured under 8.3 or 8.8 as applicable: | |
| | (a) Landslip: | Yes |
| | (b) Earthquake: | No |
| | (c) Tsunami: | No |
| | (d) Tornado: | No |
| | (e) Cyclone: | Yes |
| | (f) Storm: | Yes |
| | (g) Flood: | Yes |
| | (h) Lightning strike: | No |
| | (i) Volcanic activity: | No |
| | (j) Hydrothermal activity: | No |
| | (k) Geothermal activity: | No |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|---|--|--|
| 8.3, 8.8 | Construction insurance <i>(These items are required to be completed whether the Contractor or the Principal is the insuring party (see 8.1 above))</i> | |
| 8.3.2, 8.8 | The following shall have their respective interests noted in the construction insurance policy: | N/A |
| 8.3.3, 8.8 | Where construction insurance is required (<i>see 8.1 above</i>), the amount of insurance to be effected for the Contract Works and Materials shall be for not less than the sum of the Contract Price, after the acceptance of the tender or other offer, plus the following allowances: | |
| | (a) An allowance for the Cost of demolition, disposal and preparation for replacement work, equal to: | <i>(select one to apply, (i) or (ii))</i> |
| | (i) The amount in the right hand column: | <input type="checkbox"/> (\$) <i>Click to enter amount</i> |
| | (ii) The percentage in the right hand column of the Contract Price adjusted as above: | <input checked="" type="checkbox"/> 5 (%) |
| | (b) An allowance for professional fees including the Cost of clerks of works and inspectors, equal to: | <i>(select one to apply, (i) or (ii))</i> |
| | (i) The amount in the right hand column: | <input type="checkbox"/> (\$) <i>Click to enter amount</i> |
| | (ii) The percentage in the right hand column of the Contract Price adjusted as above: | <input checked="" type="checkbox"/> 10 (%) |
| | (c) An allowance for items to be incorporated in the Contract Works, the Cost of which is not included in the Contract Price, equal to: | <i>(select one to apply, (i) or (ii))</i> |
| | (i) The amount in the right hand column | <input type="checkbox"/> (\$) <i>Click to enter amount</i> |
| | (ii) The percentage of the Contract Price adjusted as above, stated in the right hand column: | <input type="checkbox"/> <i>Click to enter %</i> (%) |
| | (d) An allowance for an increase in the Contract Price due to Variations equal to: | <i>(select one to apply, (i) or (ii))</i> |
| | (i) The amount in the right hand column: | <input type="checkbox"/> (\$) <i>Click to enter amount</i> |
| | (ii) The percentage of the Contract Price adjusted as above, stated in the right hand column: | <input checked="" type="checkbox"/> 5 (%) |
| | (e) An allowance for increased construction Costs due to inflation equal to: | <i>(select one to apply, (i) or (ii))</i> |
| | (i) The amount in the right hand column: | <input type="checkbox"/> (\$) <i>Click to enter amount</i> |
| | (ii) The percentage of the Contract Price adjusted as above, stated in the right hand column: | <input type="checkbox"/> <i>Click to enter %</i> (%) |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|--|--|---|
| 8.4 | Contractor arranged Plant insurance | |
| | Where Plant is required to be insured (see 8.1 above): | <i>(select one to apply, (a) or (b))</i> |
| | (a) The Contractor shall insure the following items of Plant on the Site for the amounts stated: | <input type="checkbox"/> Click to enter specific items |
| | (b) The Contractor shall insure each item of Plant on the Site having a current market value of more than: | <input type="checkbox"/> (\$) Click to enter amount |
| 8.5 | Contractor arranged public liability insurance | |
| 8.5.1 | Where required (see 8.1 above), public liability insurance shall be effected by the Contractor for an amount not less than: | <input checked="" type="checkbox"/> (\$) 10,000,000 |
| | Such public liability insurance may include sub-limits: | |
| | <ul style="list-style-type: none"> For liability arising out of vibration, weakening or removal of support, of not less than: | (\$) Click to enter amount |
| | <ul style="list-style-type: none"> For liability under the Forest and Rural Fires Act 1977, of not less than: | (\$) Click to enter amount |
| 8.5.2 | Where required (see 8.1 above), motor vehicle third party liability insurance shall be effected for an amount not less than: | (\$) 2,000,000 |
| 8.6 | Contractor arranged professional indemnity insurance | |
| 8.6.1 | Where required (see 8.1 above), professional indemnity insurance for design by the Contractor shall be effected for an amount not less than: | |
| | <ul style="list-style-type: none"> For any one claim: | (\$) Click to enter amount |
| | <ul style="list-style-type: none"> And for an amount in the aggregate of: | (\$) Click to enter amount |
| 8.6.2 | Sub-limits of liability for design of parts of the Contract Works by Subcontractors shall be not be less than: <i>(list specific part(s) of Contract Works and applicable \$ sub-limits for any one claim and for an amount in the aggregate, or state if not required)</i> | Click to enter text |
| 8.8 | Principal arranged construction insurance <i>(refer also to 8.3)</i> | |
| | In accordance with 8.7.2, the insurance policy wording title for 8.8.1 and 8.8.2 (a), (b), and (c) is: | N/A |
| | In accordance with 8.7.2, the extraordinary exclusions, conditions, warranties or endorsements to the policy for 8.8.1 and 8.8.2 (a), (b), and (c) are: | N/A |
| 8.8.1 | Where the Principal is required to effect construction insurance (see 8.1 above): | |
| | The lead insurer is: | N/A |
| | Address of lead insurer: | N/A |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|--|---|---|
| | The Nominal Deductibles are: | |
| | • For damage arising out of the Contract Works: | N/A |
| | • For other claims: | N/A |
| | • For natural perils: | N/A |
| 8.8.2(a) | The existing structures are: | N/A |
| | • The replacement value to be insured is: | (\$) N/A |
| | • The lead insurer is: | N/A |
| | • Address of lead insurer: | N/A |
| | The Nominal Deductibles are: | |
| | • For damage arising out of the Contract Works: | N/A |
| | • For other claims: | N/A |
| | • For natural perils: | N/A |
| 8.8.2(b) | Other structures in the vicinity are: | N/A |
| | • The replacement value to be insured is: | (\$) N/A |
| | • The lead insurer is: | N/A |
| | • Address of lead insurer: | N/A |
| | The Nominal Deductibles are: | |
| | • For damage arising out of the Contract Works: | N/A |
| | • For other claims: | N/A |
| | • For natural perils: | N/A |
| 8.8.2(c) | Contents insurance: | |
| | • The replacement value to be insured is: | N/A |
| | • The lead insurer is: | N/A |
| | • Address of lead insurer: | N/A |
| | The Nominal Deductibles are: | |
| | • For damage arising out of the Contract Works: | N/A |
| | • For other claims: | N/A |
| | • For natural perils: | N/A |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|--|--|---|
| 8.9 | Principal's option to insure public liability | |
| 8.9.1 | Where required (see 8.1 above), the Principal shall effect public liability insurance for an amount not less than: | (\$) N/A |
| | The lead insurer is: | N/A |
| | Address of lead insurer: | N/A |
| | The Nominal Deductible is: | N/A |
| | In accordance with 8.7.2: | |
| | <ul style="list-style-type: none"> the policy wording title is: | N/a |
| | <ul style="list-style-type: none"> extraordinary exclusions, conditions, warranties, or endorsements to the policy are: | N/A |
| 8.9.2 | Such public liability insurance may include sub-limits for: <i>(specify as applicable or state 'not applicable')</i> | |
| | <ul style="list-style-type: none"> Liability arising out of vibration, weakening or removal of support: | (\$) N/A |
| | <ul style="list-style-type: none"> Liability under the Forest and Rural Fires Act 1977: | (\$) N/A |
| 9 | VARIATIONS | |
| 9.3 | Valuation of Variations | |
| 9.3.9 | For On-site Overheads: | <i>(select one to apply, (a) or (b))</i> |
| | (a) The prices and rates in the Schedule of Prices are inclusive of full allowance for On-site Overheads; | <input checked="" type="checkbox"/> |
| | (b) The prices and rates in the Schedule of Prices are exclusive of On-site Overheads and the allowance for On-site Overheads to be added in accordance with 9.3.9 is: | <input type="checkbox"/> <i>(select one to apply, (i), (ii), (iii), or (iv))</i> |
| | (i) Agreed percentage: | <input type="checkbox"/> Click to enter % (%) |
| | (ii) As nominated in the Schedule of Prices; | <input type="checkbox"/> |
| | (iii) As nominated in the Contractor's tender; | <input type="checkbox"/> |
| | (iv) A reasonable percentage. | <input type="checkbox"/> |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|---|---|---|
| 9.3.10 | For Off-site Overheads and Profit: (a) The prices and rates in the Schedule of Prices are inclusive of full allowance for Off-site Overheads and Profit; (b) The prices and rates in the Schedule of Prices are exclusive of Off-site Overheads and Profit and the allowance for Off-site Overheads and Profit to be added in accordance with 9.3.10 is: (i) Agreed percentage: (ii) As nominated in the Schedule of Prices; (iii) As nominated in the Contractor's tender; (iv) A reasonable percentage. | <i>(select one to apply, (a) or (b))</i> <input checked="" type="checkbox"/> <input type="checkbox"/> <i>(select one to apply, (i), (ii), (iii), or (iv))</i> <input type="checkbox"/> <i>Click to enter % (%)</i> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9.3.11 | For time-related Cost, the Working Day rate in compensation for time-related On-site Overheads and Off-site Overheads and Profit in relation to an extension of time to be applied in accordance with 9.3.11 is: (a) Agreed rate per Working Day: (b) As nominated in the Schedule of Prices; (c) As nominated in the Contractor's tender; (d) Reasonable compensation. | <i>(select one to apply, (a), (b), (c), or (d))</i> <input checked="" type="checkbox"/> (\$) Dayworks rate <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 9.3.15 | For processing of Variations, the percentage to be paid in accordance with 9.3.15 is: (a) Agreed percentage: (b) As nominated in the Schedule of Prices; (c) As nominated in the Contractor's Tender; (d) The reasonable Cost of processing Variations. | <i>(select one to apply, (a), (b), (c), or (d))</i> <input type="checkbox"/> <i>Click to enter % (%)</i> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |
| 10. | TIME FOR COMPLETION | |
| 10.2 | Due Date for Completion | |
| 10.2.1 | The periods to be used for calculating the Due Date for Completion are: (a) For the Contract Works: (b) For any Separable Portions: | 125 <i>(Working Days)</i> <i>Click to enter number of Working Days (Working Days)</i> <i>Click to enter details</i> |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|---|---|--|
| 10.4 Practical Completion Certificate | | |
| 10.4.5 | Prior to issue of the Practical Completion Certificate: | <i>(Select one to apply, (a), (b), or (c))</i> |
| | (a) Producer Statements in the form of Schedule 6 are required; | <input type="checkbox"/> |
| | (b) Producer Statements as set out in the following parts of the Contract are required: | <input type="checkbox"/> Click to add reference |
| | (c) Producer Statements are not required. | <input checked="" type="checkbox"/> |
| 10.5 Damages for late completion | | |
| 10.5.1 | Liquidated damages shall be applied as follows: | |
| | <ul style="list-style-type: none"> In respect of the Contract Works: | \$200 per working day <i>(\$ per Working Day)</i> |
| | <ul style="list-style-type: none"> In respect of any Separable Portion(s): | Click to enter amount <i>(\$ per Working Day for each Separable Portion)</i> Click to enter details |
| 10.6 Bonus for early completion | | |
| 10.6.1 | Is a bonus to be payable? | No |
| | <ul style="list-style-type: none"> If yes, the bonus for the Contract Works is: | Click to enter amount <i>(\$ per Working Day)</i> |
| | <ul style="list-style-type: none"> If yes, bonuses for any Separable Portions are: | Click to enter amount <i>(\$ per Working Day)</i> |
| 11. DEFECTS LIABILITY | | |
| 11.1 Defects Notification Period | | |
| | The Defects Notification Period shall be: (3 Months unless otherwise stated) | |
| | <ul style="list-style-type: none"> For the Contract Works: | 12 months |
| | <ul style="list-style-type: none"> For any Separable Portions: | Click to enter text |
| 11.3 Final Completion Certificate | | |
| 11.3.2 | Prior to issue of the Final Completion Certificate: | <i>(select one to apply, (a), (b), or (c))</i> |
| | (a) Producer Statements in the form of Schedule 6 are required; | <input type="checkbox"/> |
| | (b) Producer Statements as set out in the following parts of the Contract are required: | <input type="checkbox"/> Click to add reference |
| | (c) Producer Statements are not required. | <input checked="" type="checkbox"/> |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|--|--|---|
| 11.5 | Warranties | |
| 11.5.1 | | <i>(select one to apply, (a) or (b))</i> |
| | (a) No warranties are required; | <input checked="" type="checkbox"/> |
| | (b) The Contractor shall provide warranties as set out in the Contract for the following items of work: | <input type="checkbox"/> Click to state items |
| 11.6 | Guarantees | |
| 11.6.1, | | <i>(select one to apply, (a) or (b))</i> |
| 11.6.2 | (a) No guarantees are required; | <input checked="" type="checkbox"/> |
| | (b) The Contractor shall provide guarantees in the following form: | <input type="checkbox"/> Click to state form |
| 12. | PAYMENTS | |
| 12.1 | Contractor's payment claims | |
| 12.1.3(b) | Advances for Materials delivered to the Site | <i>(select one to apply, (a) or (b))</i> |
| (iii) | (a) Advances for Materials delivered to the Site but which have yet to be incorporated in the Contract Works shall not be made; | <input checked="" type="checkbox"/> |
| | (b) Advances for Materials delivered to the Site but which have yet to be incorporated in the Contract Works shall be made, subject to the following conditions: | <input type="checkbox"/> Click to state any conditions |
| 12.1.3(b) | Advances for Temporary Works or Plant | <i>(select one to apply, (a) or (b))</i> |
| (iv) | (a) Advances for Temporary Works or Plant shall not be made; | <input checked="" type="checkbox"/> |
| | (b) Advances for Temporary Works or Plant shall be made, subject to the following conditions: | <input type="checkbox"/> Click to state any conditions |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|--|---|---|
| 12.1.3(b) (iv) | Advances for Materials not yet on Site | <i>(select one to apply, (a) or (b))</i> |
| | (a) Advances for Materials not on Site shall not be made; | <input checked="" type="checkbox"/> |
| | (b) Advances for Materials not yet on Site shall be made, subject to the following conditions: | <input type="checkbox"/> Click to state any conditions |
| 12.3 | Retention monies | |
| 12.3.1, 12.3.2 | The percentage to be retained from each progress payment and the limit of the total sums retained shall be in accordance with the following: | <i>(select one to apply, (a) or (b))</i> |
| | (a) For the Contract Works, a total retention of: <ul style="list-style-type: none"> • 10% on the first \$200,000, and • 5% on the next \$800,000, and • 1.75% on amounts in excess of \$1,000,000, and • With a maximum total retention when aggregated of \$200,000, and • With a defects liability retention of half the total retention. | <input checked="" type="checkbox"/> |
| | (b) The retention scale in the right hand column: | <input type="checkbox"/> Click to enter scale |
| 12.3.3 | Bond in lieu of retention | <i>(select one to apply, (a) or (b))</i> |
| | (a) The Contractor may provide a bond in lieu of retentions; | <input type="checkbox"/> |
| | (b) The Contractor may not provide a bond in lieu of retentions. | <input checked="" type="checkbox"/> |
| 12.8 | Cost fluctuations | <i>(select one to apply, (a), (b), or (c))</i> |
| | (a) Cost fluctuations shall not be paid; | <input checked="" type="checkbox"/> |
| | (b) Cost fluctuations shall be paid in accordance with Appendix A; | <input type="checkbox"/> |
| | (c) Cost fluctuations shall be paid in accordance with the method described in: | <input type="checkbox"/> Click to add reference |
| 12.13 | Value added tax | |
| 12.13.2 | Payment Schedules provided by the Engineer: | <i>(select one to apply, (a) or (b))</i> |
| | (a) Shall not be in the form of a tax invoice; | <input checked="" type="checkbox"/> |
| | (b) Shall be in the form of a buyer created tax invoice and the parties agree not to issue any other tax invoice for items covered by the Payment Schedule. | <input type="checkbox"/> |

| Clause <i>in General Conditions</i> | Title and subject matter | Specific condition data <i>(Expand cells if required or add a reference to further detail provided in Schedule 2.)</i> |
|---|---|--|
| 13. | DISPUTES | |
| 13.4 | Arbitration | |
| 13.4.3 | If required, the arbitrator shall be nominated by the following Person: | Chief Justice |
| 15. | SERVICE OF NOTICES | |
| 15.1.2 | For the purpose of service of written notice: | |
| | (a) The address of the Principal is: | |
| | Postal address: | c/o Te Mato Vai PMU, Ministry of Finance and Economic Management, Arorangi, PO Box 3286, Rarotonga, Cook Islands |
| | Delivery address: | PMU Office, Te Mato Vai Compound, Off Takuvaine Road, Avarua, Rarotonga, Cook Islands |
| | Mark for the attention of: | Daryl Rairi |
| | Email address: | Daryl.rairi@gmail.com |
| | Other agreed means of electronic communication and address detail: | N/A |
| | (b) The address of the Contractor is: | |
| | Postal address: | Click to enter text |
| | Delivery address: | Click to enter text |
| | Mark for the attention of: | Click to enter text |
| | Email address: | Click to enter text |
| | Other agreed means of electronic communication and address detail: | N/A |
| | (c) The address of the Engineer is: | |
| | Postal address: | PO Box 6543, Wellesley Street, Auckland 1141, New Zealand |
| | Delivery address: | GHD Centre, Level 3, 27 Napier Street, Freemans Bay, Auckland 1011, New Zealand |
| | Mark for the attention of: | Scott Cairney |
| | Email address: | Scott.cairney@ghd.com |
| | Other agreed means of electronic communication and address detail: | N/A |

Schedule 2: Payment Terms

1 Progress payments

- 1.1 The Contractor is entitled to progress payments for construction work carried out under this contract, including the value of approved Variations.
- 1.2 The Contractor may serve payment claims on the Principal under the contract. Payment claims shall be submitted in respect of construction work carried out during periods of not less than one month. The Contractor's payment claims shall:
- (a) Be in writing;
 - (b) Identify the contract to which the progress payment relates;
 - (c) Identify the construction work and the relevant period to which the progress payment relates;
 - (d) Indicate a claimed amount on the basis of:
 - (i) the estimated extent and value of the works that have been carried out during the period to which the progress payment relates;
 - (ii) the estimated extent and value of all construction work done which is claimed in respect of approved variations to the work; and
 - (iii) the estimated extent and value of Materials delivered to the site that are intended to be incorporated into the works but have not yet been so incorporated;
 - (e) Indicate the manner in which the claimed amount was calculated; and
 - (f) Indicate the due date for payment, which shall be 30 Working Days after the date of service of the payment claim.
- 1.3 Within 10 Working Days of receiving a payment claim from the Contractor, the Principal shall issue a payment schedule to the Contractor. The Principal's payment schedule shall:
- (a) Be in writing;
 - (b) Identify the payment claim to which it relates;
 - (c) Indicate a scheduled amount;
 - (d) Indicate the manner in which the scheduled amount was calculated;
 - (e) Indicate the reason or reasons for any difference between the scheduled amount and the claimed amount and, where the principal is withholding payment on any basis, the reason for withholding payment; and
 - (f) Request provision of an invoice showing VAT.
- 1.4 On receipt of an invoice showing VAT from the Contractor, every scheduled amount shown in a payment schedule, together with the amount of VAT payable, shall be paid by the Principal to the Contractor within 20 Working Days of the date of the payment schedule.
- 1.5 The Defects Liability Retention shall be paid out to the Contractor by the Principal within 20 Working Days of the issue of the Defects Liability Certificate in accordance with clause 11 in the schedule above.

- 1.6 No later than 30 days after the completion of the Contract Works, or within such further time as the Principal may reasonably allow, the Contractor shall submit a final account of all of the Contractor's payment claims to the Principal. That account shall be headed "final payment claim" and be signed by the Contractor, and shall:
- (a) Be in writing;
 - (b) Identify the contract to which the final payment claim relates;
 - (c) Identify the relevant period or periods to which the final payment claim relates;
 - (d) Identify the construction work to which the final payment claim relates, which shall include all works completed by the Contractor that have yet to be paid for by the Principal;
 - (e) Indicate the amount claimed for those works, the amount claimed in respect of all outstanding claims, and the manner in which those sums have been calculated; and
 - (f) Indicate the due date for payment, which shall be 30 Working Days after the date of service of the payment claim.
- 1.7 Within 10 Working Days of receiving a final payment claim from the Contractor the Principal shall issue a final payment schedule to the Contractor. The Principal's final payment schedule shall:
- (a) Be in writing;
 - (b) Identify the final payment claim to which it relates;
 - (c) Indicate a scheduled amount;
 - (d) Indicate the manner in which the scheduled amount was calculated; and
 - (e) Indicate the reason or reasons for any difference between the scheduled amount and the claimed amount and, where the Principal is withholding payment on any basis, the reason for withholding payment.
- 1.8 Every scheduled amount shown in a final payment schedule, together with the amount of VAT payable, shall be paid by the Principal to the Contractor within 20 Working Days of the date of the final payment schedule.
- 1.9 Upon the issue of the final payment schedule, the Principal shall cease to be liable to the Contractor in respect of any of the Principal's obligations under the contract except for the Principal's obligations:
- (a) To pay the scheduled amount due;
 - (b) To pay any retention monies withheld; and
 - (c) To pay any scheduled amounts shown in any payment schedule issued prior to the issue of the final payment schedule but unpaid at that time.

Schedule 6: Information on Contractor arranged construction insurance

To whom it may concern:

| | | |
|------|-------------------------------------|-----------------------------|
| From | Click to enter text | (Name of insurance company) |
| | Click to enter text | (Branch) |
| | Click to enter text | (Address) |

We confirm having effected construction insurance for:

| | | |
|-------------------------|-------------------------------------|------------------|
| | Click to enter text | (The Contractor) |
| | Click to enter text | (The Principal) |
| In respect of | Click to enter text | (Project title) |
| Policy wording title is | Click to enter text | |

The following provisions apply:

- Project specific policy
- Annual run-off policy
- Annual cut-off policy

We advise that special terms, copy attached, have been applied to this policy

[Select yes or no](#)

8.1.6

The following forces of nature are insured:

- | | | |
|--|--|--|
| <input type="checkbox"/> landslip | <input type="checkbox"/> earthquake | <input type="checkbox"/> tsunami |
| <input type="checkbox"/> tornado | <input type="checkbox"/> cyclone | <input type="checkbox"/> storm |
| <input type="checkbox"/> flood | <input type="checkbox"/> lightning strike | <input type="checkbox"/> volcanic activity |
| <input type="checkbox"/> hydrothermal activity | <input type="checkbox"/> geothermal activity | |

8.3.3

The sums insured are (GST exclusive):

| | | |
|--|----|---------------------------------------|
| Contract Price | \$ | Click to enter amount |
| (a) Costs of demolition | \$ | Click to enter amount |
| (b) Professional fees | \$ | Click to enter amount |
| (c) Value of items to be incorporated | \$ | Click to enter amount |
| (d) An allowance for an increase in construction costs | \$ | Click to enter amount |
| (e) An allowance for increased reconstruction costs | \$ | Click to enter amount |
| TOTAL SUM INSURED | \$ | Click to enter amount |

| | | |
|---|----|---------------------------------------|
| The policy deductibles are (GST inclusive): | \$ | Click to enter amount |
| Non-earthquake | \$ | Click to enter amount |
| Natural disaster Click to enter % % of Click to enter text minimum of | \$ | Click to enter amount |
| Other (name) Click to enter text | \$ | Click to enter amount |

8.2.3(a)

| | | | | |
|------------------------------|---------------------------------------|---------------------------------------|----|---------------------------------------|
| Construction period | from | Click to enter a date | to | Click to enter a date |
| Insurance maintenance period | Click to enter text | | | |
| Policy expiry date | Click to enter a date | | | |

Policy cover terms included are:

| | | |
|--------------|---|----------------------------------|
| 8.2.2 | Discretionary cancellation clause | Select yes or no |
| 8.2.3 | Reinstatement provision on building and contents | Select yes or no |
| 8.2.3 | Severally insured | Select yes or no |
| | No settlement delay due to exercise of subrogation | Select yes or no |
| 8.2.4 | Void <i>ab initio</i> for non-payment of premium without prior notification | Select yes or no |

Policy extensions included are:

Sub-limit (if applicable)

| | | | | |
|--------------|-------------------------------------|----------------------------------|----|---------------------------------------|
| 8.3.1 | Transit (in New Zealand) | Select yes or no | \$ | Click to enter amount |
| 8.3.1 | Materials in storage (on Rarotonga) | Select yes or no | \$ | Click to enter amount |
| | Testing and commissioning | Select yes or no | \$ | Click to enter amount |
| | Expediting expenses | Select yes or no | \$ | Click to enter amount |
| | Overseas airfreight | Select yes or no | \$ | Click to enter amount |

We undertake that this policy will not be cancelled or amended by us within the period of insurance without written advice to the insured party which has arranged the insurances.

This insurance issued is subject to the terms and conditions of the policy. We do not warrant that this policy complies with the requirements of NZS 3910:2013.

Insurance Company Stamp [Click to enter text](#) **Date** [Click to enter a date](#)

(Or name of insurance broking company confirming cover)

SIGNED BY [Click to enter text or paste signature](#)

SIGNATORY TITLE [Click to enter text](#)

(Clause numbers refer to NZS 3910:2013 and are for information only.)

Schedule 7: Information on Contractor arranged Plant insurance

To whom it may concern:

From [Click to enter text](#) *(Name of insurance company)*

[Click to enter text](#) *(Branch)*

[Click to enter text](#) *(Address)*

We confirm having effected Plant insurance for:

[Click to enter text](#) *(The Contractor)*

 In respect of [Click to enter text](#) *(Project title)*

 Policy wording title is [Click to enter text](#)

We advise that special terms, copy attached, have been applied to this policy [Select yes or no](#)

The following provisions apply:

- Annual policy
 Project specific policy

Policy expiry date [Click to enter a date](#)

8.4

The sums insured are (GST exclusive):

- All items of Plant Sum insured \$ [Click to enter amount](#)
 OR
 Valued schedule of construction Plant insured (copy attached)

The policy deductible (GST inclusive) is: \$ [Click to enter amount](#)

Policy cover terms included are:

- 8.2.2** Discretionary cancellation clause [Select yes or no](#)
8.2.3(a) Reinstatement provision [Select yes or no](#)
8.2.4 Void *ab initio* for non-payment of premium without prior notification [Select yes or no](#)
 No settlement delay due to exercise of subrogation [Select yes or no](#)

We undertake that this policy will not be cancelled or amended by us within the period of insurance without written advice to the insured party which has arranged the insurances.

This insurance issued is subject to the terms and conditions of the policy. We do not warrant that this policy complies with the requirements of NZS 3910:2013.

Insurance Company Stamp [Click to enter text](#) Date [Click to enter a date](#)

(Or name of insurance broking company confirming cover)

SIGNED BY

[Click to enter text or paste signature](#)

SIGNATORY TITLE

[Click to enter text](#)

(Clause numbers refer to NZS 3910:2013 and are for information only.)

Schedule 8: Information on public liability insurance

To whom it may concern:

| | | |
|------|-------------------------------------|-----------------------------|
| From | Click to enter text | (Name of insurance company) |
| | Click to enter text | (Branch) |
| | Click to enter text | (Address) |

We confirm having effected public liability insurance to indemnify the Principal and the Contractor against legal liability to third parties for damage, loss or injury caused by an act or omission of the Contractor arising out of the performance of the Contract Works.

| | |
|-------------------------------------|---|
| Click to enter text | (The Contractor) |
| Click to enter text | (The Principal) |
| In respect of | Click to enter text (Project title) |
| Policy wording title is | Click to enter text |

We advise that special terms, copy attached, have been specifically applied to this project [Select yes or no](#)

The following provisions apply:

- Annual policy
- Project specific policy

Policy expiry date [Click to enter a date](#)

8.5, 8.9

| | | |
|--|----|---------------------------------------|
| The limit of indemnity (GST exclusive) | \$ | Click to enter amount |
| Sub-limit insured for (GST exclusive) | | |
| Vibration, removal, or weakening of support | \$ | Click to enter amount |
| Forest and Rural Fires Act 1977 | \$ | Click to enter amount |
| Underground services | \$ | Click to enter amount |
| Deductible (GST inclusive) is | \$ | Click to enter amount |
| Deductible for vibration, removal, or weakening of support (GST inclusive) | \$ | Click to enter amount |
| Deductible for underground services (GST inclusive) | \$ | Click to enter amount |

The policy also covers liability arising out of:

- The ownership/use of Plant not required to be registered for road use [Select yes or no](#)
- The use of hired Plant [Select yes or no](#)
- The ownership/use of watercraft over 8 m [Select yes or no](#)
- The ownership/use of aircraft [Select yes or no](#)
- The use of explosives [Select yes or no](#)

8.2, 8.7

Policy cover terms included are:

| | |
|--|---------------------------------------|
| Reinstatement provisions | Select yes or no |
| Number of reinstatements | Click to enter number |
| Discretionary cancellation clause | Select yes or no |
| Void <i>ab intio</i> for non-payment of premium without prior notification | Select yes or no |
| Severally insured | Select yes or no |
| No settlement delay due to exercise of subrogation | Select yes or no |

We undertake that this policy will not be cancelled or amended by us without written advice to the insured party which has arranged the insurances.

This insurance issued is subject to the terms and conditions of the policy. We do not warrant that this policy complies with the requirements of NZS 3910:2013.

Insurance Company Stamp [Click to enter text](#)

Date [Click to enter a date](#)

(Or name of insurance broking company confirming cover)

SIGNED BY [Click to enter text or paste signature](#)

SIGNATORY TITLE [Click to enter text](#)

(Clause numbers refer to NZS 3910:2013 and are for information only.)

Schedule 9: Information on Contractor arranged motor vehicle insurance

To whom it may concern:

| | | |
|------|-------------------------------------|-----------------------------|
| From | Click to enter text | (Name of insurance company) |
| | Click to enter text | (Branch) |
| | Click to enter text | (Address) |

We confirm having effected motor fleet insurance for

[Click to enter text](#) (The Contractor)

In respect of [Click to enter text](#) (Project title)

Policy wording title is [Click to enter text](#)

We advise that special terms, copy attached, have been applied to this policy [Select yes or no](#)

The following provisions apply:

- Annual policy
- Project specific policy

Policy expiry date [Click to enter a date](#)

8.5.2

The limits of liability are (GST exclusive):

Section 2 – Liability \$ [Click to enter amount](#)
For any one occurrence arising out of the same event

The policy deductibles are:

Section 2 – Liability (GST inclusive) \$ [Click to enter amount](#)
Plus under age penalties

8.2

Policy cover terms included are:

| | |
|---|----------------------------------|
| Section 2 Liability automatic reinstatement | Select yes or no |
| Discretionary cancellation clause | Select yes or no |
| Void <i>ab initio</i> for non-payment of premium without prior notification | Select yes or no |
| No settlement delay due to exercise of subrogation | Select yes or no |

We undertake that this policy will not be cancelled or amended by us within the period of insurance without written advice to the insured party which has arranged the insurances.

This insurance issued is subject to the terms and conditions of the policy. We do not warrant that this policy complies with the requirements of NZS 3910:2013.

Insurance Company Stamp [Click to enter text](#)

Date [Click to enter a date](#)

(Or name of insurance broking company confirming cover)

SIGNED BY [Click to enter text or paste signature](#)

SIGNATORY TITLE [Click to enter text](#)

(Clause numbers refer to NZS 3910:2013 and are for information only.)

Schedule 10: Information on Contractor arranged professional indemnity insurance

To whom it may concern:

| | | |
|------|-------------------------------------|-----------------------------|
| From | Click to enter text | (Name of insurance company) |
| | Click to enter text | (Branch) |
| | Click to enter text | (Address) |

We confirm having effected professional indemnity insurance for:

| | | |
|-------------------------|-------------------------------------|------------------|
| | Click to enter text | (The Contractor) |
| In respect of | Click to enter text | (Project title) |
| Policy wording title is | Click to enter text | |

We advise that special terms, copy attached, have been applied to this policy [Select yes or no](#)

The following provisions apply:

- Annual policy
- Project specific policy

Policy expiry date [Click to enter a date](#)**8.6.1**

The limit of indemnity (GST exclusive) \$ [Click to enter amount](#) any one occurrence

\$ [Click to enter amount](#) in the aggregate during the period of insurance.

Deductible (GST inclusive) \$ [Click to enter amount](#)

We undertake that this policy will not be cancelled or amended by us within the period of insurance without written advice to the insured party which has arranged the insurances.

This insurance issued is subject to the terms and conditions of the policy. We do not warrant that this policy complies with the requirements of NZS 3910:2013.

| | | | |
|--------------------------------|-------------------------------------|-------------|---------------------------------------|
| Insurance Company Stamp | Click to enter text | Date | Click to enter a date |
|--------------------------------|-------------------------------------|-------------|---------------------------------------|

(Or name of insurance broking company confirming cover)

SIGNED BY [Click to enter text or paste signature](#)SIGNATORY TITLE [Click to enter text](#)

(Clause numbers refer to NZS 3910:2013 and are for information only.)

Schedule 14: Practical Completion Certificate

This Practical Completion Certificate is issued under 10.4.3(a) or 10.4.4.

| | | |
|---------------------|-------------------------------------|---|
| Contract for | Click to enter text | <i>(Contract name and number if applicable)</i> |
| Principal | Click to enter text | <i>(Insert name of Principal)</i> |
| Contractor | Click to enter text | <i>(Insert name of Contractor)</i> |

This certificate relates to:

- (a) The whole of the Contract Works referred to above;
- (b) The following Separable Portion
(Specify Separable Portion if applicable)

Receipt of the Contractor's notice dated [Click to enter a date](#) and issued in accordance with 10.4.2 is acknowledged.

In accordance with 10.4.3(a) or 10.4.4 (*select one*), the Engineer certifies that the Contract Works or Separable Portion to which this certificate relates qualify for a Practical Completion Certificate under 10.4, notwithstanding that there may be minor omissions and/or minor defects (as listed in the attached schedule) which satisfy the criteria in 10.4.1 (a), (b), and (c).

The Contractor is required to remedy all of the listed omissions or defects within the period stated in the attached schedule against the relevant omission or defect, or at the latest within [Click to enter days](#) Working Days of the date of this certificate.

Practical Completion was achieved

on [Click to enter a date](#) at [Click to enter time](#).

| | |
|------------------------|--|
| Signed by the Engineer | Click to enter text or paste signature |
| Name | Click to enter text |
| Date | Click to enter a date |

SCHEDULE

The following omissions and/or defects have been assessed as being of a minor nature satisfying the criteria in 10.4.1(a), (b), and (c) and were identified during an inspection carried out by the Engineer or Engineer's Representative on [Click to enter a date](#)

(List minor omissions and defects)

[Click to enter text](#)

Schedule 15: Final Completion Certificate

This certificate is a Final Completion Certificate issued under 11.3.1.

| | | |
|---------------------|-------------------------------------|---|
| Contract for | Click to enter text | <i>(Contract name and number if applicable)</i> |
| Principal | Click to enter text | <i>(Insert name of Principal)</i> |
| Contractor | Click to enter text | <i>(Insert name of Contractor)</i> |

This certificate relates to:

- (a) The whole of the Contract Works referred to above;
- (b) The following Separable Portion

(Specify Separable Portion if applicable)

In accordance with 11.3.1, the Engineer certifies that the Contract Works or Separable Portion to which this certificate relates qualify for a Final Completion Certificate issued under 11.3

on [Click to enter a date](#) at [Click to enter time](#).

| | |
|------------------------|--|
| Signed by the Engineer | Click to enter text or paste signature |
| Name | Click to enter text |
| Date | Click to enter a date |