

Client: **COOK ISLAND GOVERNMENT (MOIP / NZAP)**

Project: **NORTHERN GROUP WATER HARVESTING PROJECT**

Date: 28<sup>th</sup> November – 30<sup>th</sup> December 2011

|                      |                 |      |                                   |
|----------------------|-----------------|------|-----------------------------------|
| To:                  |                 |      |                                   |
| Principal            | Donye Numa      | (DN) | Secretary / MOIP                  |
| NZ Aid Programme     | Maureen Hilyard | (MH) | Development Programme Coordinator |
| CIG Aid Management   | Jim Armistead   | (JA) | Secretary/MFEM Aid Management AMD |
| Principal Rep        | Louis Teiti     | (LT) | Infrastructure TA MOIP            |
| CIG Health Services  | Tata Vaeau      | (TV) | Health Officer                    |
| CIG Internal Affairs | Bredina Drollet | (BD) | Secretary / MIA                   |
| Contractor           | Keta Williams   | (KW) | RVK Contractors (RVK) / Director  |
| From:                |                 |      |                                   |
| Project Manager      | Romani Katoa    | (RK) | ROMANISDESIGN (RD) / Director     |

**1 Project Schedule**

**Contract Stage – Construction Works:**

Start Date – 10<sup>th</sup> October 2011

Contract Duration – 6 months

Practical Completion – 10<sup>th</sup> April 2012

**2 Project Matters & Update**

**Milestone**

- a) **Defects Period:** For Pukapuka, Nassau, Penryhn and Rakahanga.
- b) **Construction Works:** - Practical Completion for Penryhn and Rakahanga

**3 Contract Processes**

- a) **Contractor Advance Payments –**  
To date the three payments have been made to RVK Contractors. These are as follows:
 

|   |                       |
|---|-----------------------|
| Upon contract signing first advance payment     | <b>\$400,000</b>      |
| Paid to materials supplier (CI Building Supply) | <b>\$572,750.59</b>   |
| Second advance payment (CI Steel)               | <b>\$341,009.29</b>   |
| Payments to date total                          | <b>\$1,313,759.88</b> |
- b) **Extensions of time:** no extension of time has been requested at this stage.
- c) **Onsite Work Assessment** All forms will be sent back to Rarotonga for final approvals and signatures.
- d) **Variations:** No variations requested at this stage.
- e) **Progress Claims:** – Claim # 4 has been submitted on the 21<sup>st</sup> December 2011 by RVK Contractors for the Sum of Works completed for Pukapuka & Nassau (Practical Completion achieved and now in Defects Period) and Penryhn & Rakahanga (100% Complete and now in Defects Period)\_Total Claim #4: \$433,584.72. Refer to Progress Claim Certificate #4. There is \$129,455.19 remaining in contractors budget.
- f) Further delays in processing clams/payments to RK has continued. NR paid only 50% of Claim 4.

#### 4 Construction Matters

a) **Quality Assurance:**

*Pukapuka & Nassau* – Connection fittings were sent up via plane on the 27<sup>th</sup> Dec. RVK has two locals completing minor works to ensure job is complete

*Penryhn* – roofing works have been completed and no reports of any problems. 5 x Tap fittings will be delivered on the next flight up to Penryhn.

*Rakahanga* – roofing has completed and no issues to report.

b) **Provision of materials, equipment and services by Contractor:** Contractor has delivered to all islands estimated total of materials and equipment required to measure and complete each household and undertake all works and materials inclusive. RK has full support of Island Council and Island Secretary on all islands for requests for sand, kirikiri and machinery and labour from all islands have been honoured as per the MOU. Although there was some misunderstanding in Penryhn, the issue was resolved as the works started.

RVK Contractors has employed 18 labourers in total on Pukapuka (6 members from each of the 3 villages on a rotational system set up by the Island Council) with 5 Island Admin workers support; 10 labourers from Nassau; 13 on Rakahanga including 5 Island Admin Support (Infra workers that work full days but are paid from 4pm til the days work ends); 11 labourers in Penryhn with no Island Admin support.

In total, 52 labourers were hired during project plus the support from local Island Administration

c) **Liaison with local authorities:** refer to 5.d and

d) **Community Water tanks:** Final measurements of community tanks have been completed and estimates provided in August. Have had advised Island Councils that submission is yet to be made by MOIP to Cabinet for endorsement and approval of fund.

e) **Construction Programme:** Households identified on all islands during the re-roofing and water tank surveys helped prioritize household families that had children, the elderly, and mainly women (some households had no male members). Special consideration was also given to households that have a disabled family member. Both islands, Penryhn and Rakahanga were completed within a 5-6 week period.

#### 5 Site Supervision / Contract Administration

a) **Inspections:** Willie Katoa is supervising on Rakahanga, Poilla Poila on Nassau and Rio Taika/Andrew Vaeau on Penryhn. Few minor installation issues.

b) **Materials:** all materials as specified in contract has been confirmed. Contractor shall not deviate from specified materials unless prior written approval.

c) **Sub-Contractors:** All sub-contractors must be approved by the supervisor. Raro Plumbing is the approved sub-contractor to RVK Contractors.

d) **Conduct and problems onsite:** Site supervisor reported that 6 x roofing iron sheets leftover from RAK 28 Kimo Temu were taken by the owner without approval. Attempts to retrieve roofing iron unsuccessful, issue to be discussed.

e) **Photos:** For Penryhn & Rakahanga, will be provided in next report, when site supervisors return from the North.

#### 6 Contractors comments

a) **Materials:** contractor concerned that materials leftover from project taken by one household without approval by site supervisor and contractor.

4 x heat-guns were sent to Rakahanga, as per the Scope of Works in the Contractors Contract and MOU, there is to be 2 x heat-guns for each island. Contractor has explained that 2 heat-guns were packed by mistake in Rarotonga prior to shipping. 2 x

heat-guns will be returned to Rarotonga and sent onto Penryhn.

## **7 Other Matters**

- a) Dec 2011 – meetings and discussions with Penryhn Island Council and Island Admin and Rakahanga Island Council and Island Admin:

Discussed all issues related to water project:

- Update on water project and programme
- Confirmation of works completed
- Minor issues reported with spouting installations and tank connections.
- Issue raised about waiver of boat and reefing – explained as outlined in MOU.
- Issue raised by Mayor and others (Rakahanga) requesting leftover materials if any to be turned over to them. It was explained on several occasions that all materials and equipment are the property of the contractor until project has achieved practical completion. Requests have been denied.
- Request list for existing plastic water tanks that are in need of repair
- Progress update on Community water tanks – still with MOIP.
- PEN 7 Kirikava Moerangi which has an elderly man requested that his water tank be connected to his newly constructed shelter for his wife's grave.
- 2 x heat-guns are left on Rakahanga, Penryhn were missing 2 heat-guns, which will be delivered to the island as soon as possible and left with Island Administration.
- As there are a number of experienced and qualified carpenters/trades people on the island. It was also strongly suggested that they would like to see more projects delivered utilizing only the local labour and bringing in the necessary skills and experienced foreman/supervisors/project managers to oversee the project
- A request from RVK Contractor offering carpentry labour for any community works or projects

### **Principles of the Northern Water Project**

Appendix 1 (Contract Documents) – Project Milestones, Outputs and cost Allocations

Act Now. Prioritise most vulnerable, delegate where local capacity is available to action.

Build partnerships to scale up action by engaging groups at village, island (e.g. Island Councils) and national levels (e.g. INTAFF/MoH)

Foster local decision making. E.g. Place decisions about allocation between roof repairs and water tanks with Island Councils.

Foster climate adaptation. E.g. Good roofs are essential for drinking water collection and to reduce cyclone damage. Position tanks away from storm surges.

Provide opportunities for inclusion and ownership. Ensure residents can contribute to

improvements. Ensure non-resident owners are aware of project and option to pay contractor directly for water tank/roof repairs.

Build local capacity for improved water management. Training must target key people including household elders, women, Island Councillors, water managers and village elders.

**8 Summary of Works**

**PENRYHN**

**DETAIL OF WORKS COMPLETED (this report)**

**1. Installed water tank, fascia board, spouting, first flush system and outlet tap**

**Penryhn: water tank, spouting, fascia board and first flush**

A further 44 houses were installed on Omoka and Tetautua. 20 on Omoka and 24 on Tetautua. This is a total of 21 x 3000L tanks plus 60 x 6000L tanks.

There was a shortage of 1 x outlet and 5 tank plugs, these will be sent up on the next available plane – which is on the 27 December. All tanks are installed and with recent rainfall, full water tanks.

*Tank numbers and fascia board/spouting details will be confirmed when Onsite Assessment Forms are returned to PM.*

*Tank installations below completed in Progress Report 5*

| OMOKA VILLAGE |                    |              | Tanks    | Fascia   | Spouting | Water | Extra |
|---------------|--------------------|--------------|----------|----------|----------|-------|-------|
| Ref No.       | Name               | 6kL or 2x3kL | m length | m length | Tank #   | Tank  |       |
| PEN 1         | Abela William      | 1 x 6kL      |          |          |          |       |       |
| PEN 2         | Alex Maretapu      | 1 x 6kL      |          |          |          |       |       |
| PEN 3         | Andrew Vaeau       | 1 x 6kL      |          |          |          |       |       |
| PEN 4         | Arake Tonitara     | 1x 6kL       |          |          |          |       |       |
| PEN 5         | Ben Samuela        | 1 x 6kL      |          |          |          |       |       |
| PEN 6         | Bill Marsters      | 2 x 3kL      |          |          |          |       |       |
| PEN 7         | Kirikava Moerangi  | 1 x 6kL      |          |          |          |       |       |
| PEN 8         | Manata Akapurua    | 1 x 6kL      |          |          |          |       |       |
| PEN 9         | Mita Soa           | 1 x 6kL      |          |          |          |       |       |
| PEN 10        | One Brother Joseph | 1 x 6kL      |          |          |          |       |       |
| PEN 11        | Pahu Toka          | 1 x 6kL      |          |          |          |       |       |
| PEN 12        | Warwick Latham     | 1 x 6kL      |          |          |          |       |       |
| PEN 13        | William Tekena     | 2 x 3kL      |          |          |          |       |       |
| PEN 14        | Aru William        | 1 x 6kL      |          |          |          |       |       |
| PEN 15        | Tutavake Andrew    | 1 x 6kL      |          |          |          |       |       |
| PEN 16        | Reisura Samatua    | 1 x 3kL      |          |          |          |       |       |
| PEN 17        | Tehio Mairiki      | 1 x 6kL      |          |          |          |       |       |
| PEN 18        | Pora Pora          | 1 x 6kL      |          |          |          |       |       |
| PEN 19        | Rangitava Taia     | 1 x 6kL      |          |          |          |       |       |
| PEN 20        | Rangi Rass         | 2 x 3kL      |          |          |          |       |       |
| PEN 21        | Tata Tonitara      | 1 x 6kL      |          |          |          |       |       |
| PEN 22        | Tira Nikau         | 1x 6kL       |          |          |          |       |       |
| PEN 23        | Sope Carnahan      | 1x 3kL       |          |          |          |       |       |

\*\* Partially complete – needs connecting water pipes and/or hole for tank needs levelling

# Needs to be connected + Needs roofing iron sheets

= Needs first flush system @ Needs fascia board & spouting

o Completed partial re-roof or complete re-roof % household qualifies for 1 x 3kL extra tank

Tank installations recently completed. Tank numbers and fascia board/spouting details will be confirmed when Onsite Assessment Forms are returned to PM.

| OMOKA VILLAGE |         |                            | Tanks<br>6kL or<br>2x3kL | Fascia<br>m length | Spouting<br>m length | Water<br>Tank # | Extra<br>Tank |
|---------------|---------|----------------------------|--------------------------|--------------------|----------------------|-----------------|---------------|
|               | Ref No. | Name                       |                          |                    |                      |                 |               |
|               | PEN 24  | Takake Akatapurua          | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 25  | Tapiua Taime               | 2 x 3kL                  |                    |                      |                 |               |
|               | PEN 26  | Terepai Tutai              | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 27  | Ruoe Meremere              | 1x 6kL                   |                    |                      |                 |               |
|               | PEN 28  | Kirikava Moerangi          | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 29  | Tekaikura Marsters         | 2 x 3kL                  |                    |                      |                 |               |
|               | PEN 30  | Tini Ford                  | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 31  | Ussiah Taruia              | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 32  | Tera Tonitara              | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 33  | Taui Nikoro                | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 34  | Nikoia Faireka             | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 35  | Pa Taime (Principal Tyron) | 1 x 3kL                  |                    |                      |                 |               |
|               | PEN 36  | Don George (Puasau George) | 1 x 3kL                  |                    |                      |                 |               |
|               | PEN 37  | Turua Taime (Tekau Taia)   | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 38  | Arue Nikore                | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 39  | Pohatu Paulo (Tokoa Paulo) | 1 x 3kL                  |                    |                      |                 |               |
|               | PEN 40  | Mona Viniki (Ma Viniki)    | 1 x 6kL                  |                    |                      |                 |               |
|               | PEN 41  | Tom Peau (Suihua Marsters) | 1 x 6kL                  |                    |                      |                 |               |
| o             | PEN 42  | Rausei Meremere            | 1 x 6kL                  |                    |                      |                 |               |
| o             | PEN 43  | Tini Joseph                | 2 x 3kL                  |                    |                      |                 |               |
|               | PEN 44  | Tongareva Community Hall   | 1 x 6kL                  |                    |                      |                 |               |

| TETAUTUA VILLAGE |         |                 | Tanks<br>6kL or<br>2x3kL | Fascia<br>m length | Spouting<br>m length | Water<br>Tank # | Extra<br>Tank |
|------------------|---------|-----------------|--------------------------|--------------------|----------------------|-----------------|---------------|
|                  | Ref No. | Name            |                          |                    |                      |                 |               |
|                  | PEN 45  | Ben William     | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 46  | Joe Marsters    | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 47  | Koiatu Raki     | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 48  | Marama Tautu    | 1x 6kL                   |                    |                      |                 |               |
|                  | PEN 49  | Napa Tutavake   | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 50  | Pange Poreva    | 2 x 3kL                  |                    |                      |                 |               |
|                  | PEN 51  | Rite Tapaitau   | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 52  | Rongo Taia      | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 53  | Taia Tau        | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 54  | Tapita Tinirau  | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 55  | Tekotia Joe     | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 56  | Teumere Joseph  | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 57  | Tini Ford       | 1 x 6kL                  |                    |                      |                 |               |
|                  | PEN 58  | Tinikata Joseph | 2 x 3kL                  |                    |                      |                 |               |
|                  | PEN 59  | Tome Nikau      | 1 x 6kL                  |                    |                      |                 |               |

|   |        |                            |         |  |  |  |  |
|---|--------|----------------------------|---------|--|--|--|--|
|   | PEN 60 | Mamia Tapaitau             | 1 x 3kL |  |  |  |  |
|   | PEN 61 | Taku Rongi Taia            | 1 x 6kL |  |  |  |  |
|   | PEN 62 | Boss Solo                  | 2 x 3kL |  |  |  |  |
|   | PEN 63 | Puremana Teika (Rio Teika) | 1 x 6kL |  |  |  |  |
| o | PEN 64 | Saitu Marsters             | 2 x 3kL |  |  |  |  |
| o | PEN 65 | Tapita Tinirau             | 1 x 6kL |  |  |  |  |

## 2. **Leftover tanks**

There were 8 tanks leftover from the project. These tanks were distributed accordingly by the local council of Penryhn to utilise other houses that were not on final approved list as per the signed MOU's but had good roofing iron for collecting water and covered in the final scope of works by the contractor.

The list of houses shown below:

| <b>OMOKA</b>   |                     |  | <b>Tanks</b>        | <b>Fascia</b>   | <b>Spouting</b> | <b>Water</b>  |
|----------------|---------------------|--|---------------------|-----------------|-----------------|---------------|
| <b>Ref No.</b> | <b>Name</b>         |  | <b>6kL or 2x3kL</b> | <b>m length</b> | <b>m length</b> | <b>Tank #</b> |
| PEN 66         | Kohe Taime          |  | 1 x 6kL             |                 |                 |               |
| PEN 67         | Mama Ruaki Marsters |  | 1 x 6kL             |                 |                 |               |
| PEN 68         | Maru Akatapurua     |  | 1 x 6kL             |                 |                 |               |
| PEN 69         | Taputito Meremere   |  | 1x 6kL              |                 |                 |               |

| <b>TETAUTUA</b> |                    |  | <b>Tanks</b>        | <b>Fascia</b>   | <b>Spouting</b> | <b>Water</b>  |
|-----------------|--------------------|--|---------------------|-----------------|-----------------|---------------|
| <b>Ref No.</b>  | <b>Name</b>        |  | <b>6kL or 2x3kL</b> | <b>m length</b> | <b>m length</b> | <b>Tank #</b> |
| PEN 70          | Sunday School Hall |  | 1 x 6kL             |                 |                 |               |
| PEN 71          | Billy Daniel       |  | 1 x 6kL             |                 |                 |               |
| PEN 72          | Soloman Tapu       |  | 1 x 6kL             |                 |                 |               |
| PEN 73          | Tepe Taia          |  | 1x 6kL              |                 |                 |               |

**\*\* Partially complete – needs connecting water pipes and/or hole for tank needs levelling**

**# Needs to be connected = Needs first flush system**

**@ Needs fascia board & spouting**

**o Completed partial re-roof or complete re-roof**

**PENRYHN:**

**Project Milestone**

Practical Completion achieved on Monday 19<sup>th</sup> December 2011

**RAKAHANGA****DETAIL OF WORKS COMPLETED****1. Approved households for re-roofing****Rakahanga: re-roofing**

A further 12 houses were completed with new roofing iron. To date a total of 22 houses have been re-roofed with new coloursteel roofing iron and some with new timber framing. These houses also had a new 6kL water tank installed.

One approved house owner (RAK 41 Mama Teokotai Greig, an elderly woman) had existing roofing iron sheets, but was not suitable for re-roofing. The project provided the labour, and some new roofing iron as well as utilizing some good existing roofing iron. Numbers to be confirmed when Assessment Sheets are returned to Raro.

RAK 36 Punatau Mataio's house was severely damaged during Cyclone Percy and previous cyclones. The original house is a large square coral limestone structure with no roof and no floor damaged by cyclones. This house missed out on previous cyclone recovery programmes and was the last house to be completed by the Northern Group Water Project team. The verandahs on the east and southern side of the building is primarily used as the residence with cooking and bathroom facilities. After installing new roofing iron and timber framing, it was decided onsite that the project team would also repair and fix to the walls leftover cuts of roofing iron from the project. The residence comprises of 3 adults and 2 children.

*Tank installations recently completed. Tank numbers and fascia board/spouting details will be confirmed when Onsite Assessment Forms are returned to PM.*

|    |                |                    | <b>Tanks</b>        | <b>Fascia</b>   | <b>Spouting</b> | <b>Water Tank #</b> | <b>Extra Tank</b> |
|----|----------------|--------------------|---------------------|-----------------|-----------------|---------------------|-------------------|
|    | <b>Ref No.</b> | <b>Name</b>        | <b>6kL or 2x3kL</b> | <b>m length</b> | <b>m length</b> |                     |                   |
| ○  | RAK 33         | Paolo Pirato       | 1 x 6kL             |                 |                 |                     |                   |
| ○@ | RAK 34         | Philip Reubena Snr | 1 x 6kL             |                 |                 |                     |                   |
| ○  | RAK 35         | Pokipoki Flydriver | 1 x 6kL             |                 |                 |                     |                   |
| ○@ | RAK 36         | Punatau Mataio     | 1x 6kL              |                 |                 |                     |                   |
| ○  | RAK 37         | Robert Sema        | 1 x 6kL             |                 |                 |                     |                   |
| ○  | RAK 38         | Rua Piho           | 1 x 6kL             |                 |                 |                     |                   |
| ○  | RAK 39         | Semo Ruarua        | 1 x 6kL             |                 |                 |                     |                   |
| ○@ | RAK 40         | Taunga Toka        | 1 x 6kL             |                 |                 |                     |                   |
| ○  | RAK 41         | Teokotai Greig     | 1 x 6kL             |                 |                 |                     |                   |
| ○  | RAK 42         | Temuvaine Narayan  | 1 x 6kL             |                 |                 |                     |                   |
| ○  | RAK 43         | Toka Tupou         | 1 x 6kL             |                 |                 |                     |                   |
| ○  | RAK 44         | Tianeve Vaiteru    | 1 x 6kL             |                 |                 |                     |                   |

**2. Installed water tank, fascia board, spouting, first flush system and outlet tap**

All water tanks were installed by the 23<sup>rd</sup> December. The contractor was short by 15 outlets/droppers for spouting which have been ordered and will be shipped on Tapi's upcoming voyage.

|  | <b>Tanks</b> | <b>Fascia</b> | <b>Spouting</b> | <b>Water</b> | <b>Extra</b> |
|--|--------------|---------------|-----------------|--------------|--------------|
|  |              |               |                 |              |              |

|   | <b>Ref No.</b> | <b>Name</b>        | <b>6kL or 2x3kL</b> | <b>m length</b> | <b>m length</b> | <b>Tank #</b> | <b>Tank</b> |
|---|----------------|--------------------|---------------------|-----------------|-----------------|---------------|-------------|
|   | RAK 1          | Banaba Tupou       | 1 x 6kL             |                 |                 |               |             |
|   | RAK 2          | Catholic Residence | 1 x 6kL             |                 |                 |               |             |
| @ | RAK 3          | CICC Residence     | 1 x 6kL             |                 |                 |               |             |
|   | RAK 4          | Edward Peterson    | 1x 6kL              |                 |                 |               |             |
|   | RAK 5          | Takipo Hererai     | 1 x 6kL             |                 |                 |               |             |
| @ | RAK 6          | Kaingata Timoti    | 1 x 6kL             |                 |                 |               |             |
|   | RAK 7          | Lai Narayan        | 1 x 6kL             |                 |                 |               |             |
|   | RAK 8          | Mahia Tupou        | 1 x 6kL             |                 |                 |               |             |
| @ | RAK 9          | Mita Aporo         | 1 x 6kL             |                 |                 |               |             |
|   | RAK 10         | Ngaro Koteka       | 1 x 6kL             |                 |                 |               |             |
|   | RAK 11         | Philip Reubena Jnr | 1 x 6kL             |                 |                 |               |             |
|   | RAK 12         | Repaio Aporo       | 1 x 6kL             |                 |                 |               |             |
| @ | RAK 13         | Sema Peter         | 1 x 6kL             |                 |                 |               |             |
|   | RAK 14         | SDA Residence      | 1 x 6kL             |                 |                 |               |             |
| @ | RAK 15         | Takai Temu         | 1 x 6kL             |                 |                 |               |             |
|   | RAK 16         | Taura Hagai        | 1 x 3kL             |                 |                 |               |             |
| @ | RAK 17         | Temu Hagai         | 1 x 6kL             |                 |                 |               |             |
|   | RAK 18         | Tere Teinaki       | 1 x 6kL             |                 |                 |               |             |
|   | RAK 19         | Tianini            | 1 x 6kL             |                 |                 |               |             |
| @ | RAK 20         | Tomoko Ben         | 1 x 3kL             |                 |                 |               |             |
| @ | RAK 21         | Toto Setifano      | 1 x 6kL             |                 |                 |               |             |
|   | RAK 22         | Vaiteru Makira     | 1x 6kL              |                 |                 |               |             |

***Newly re-roofed houses with new water tanks, fascia board, spouting, first flush***

|     |        |                  |         |  |  |  |  |
|-----|--------|------------------|---------|--|--|--|--|
| ○   | RAK 23 | Amosa Greig      | 1 x 6kL |  |  |  |  |
| ○ + | RAK 24 | Anete Aratangi   | 1 x 6kL |  |  |  |  |
| ○@  | RAK 25 | Aporo Piho       | 1 x 6kL |  |  |  |  |
| ○   | RAK 26 | Hagai Takai      | 1x 6kL  |  |  |  |  |
| ○@  | RAK 27 | Kimiora Takai    | 1 x 6kL |  |  |  |  |
| ○   | RAK 28 | Kimo Temu        | 1 x 6kL |  |  |  |  |
| ○   | RAK 29 | Leitu Akaloa     | 1 x 6kL |  |  |  |  |
| ○   | RAK 30 | Neti Tarau       | 1 x 6kL |  |  |  |  |
| ○@  | RAK 31 | Ngatangata Takai | 1 x 6kL |  |  |  |  |
| ○   | RAK 32 | Nitikika Tuteru  | 1 x 6kL |  |  |  |  |

**\*\* Partially complete – needs connecting water pipes and/or hole for tank needs levelling**

**# Needs to be connected + Needs roofing iron sheets or ridging**

**= Needs first flush system @ Needs fascia board & spouting**

**o Completed partial re-roof or complete re-roof**

**RAKAHANGA:**

**Project Milestone**

Practical Completion achieved on Friday 23<sup>rd</sup> December 2011

Kia Manuia,

Romani Katoa  
Project Manager  
**ROMANISDESIGN LTD**



---

**The Secretary of Ministry of Infrastructure & Planning (MOIP)**  
**The Government of Cook Islands - Ministry of Infrastructure & Planning**  
P.O.BOX 102  
Rarotonga,  
**COOK ISLANDS**

NGWP C03/11  
Date: 20 December 2011

Attention: Ms. Donye Numa

Dear , Donye

**REF: NORTHERN GROUP WATER PROJECT - PROGRESS CLAIM #4**

Enclosed please find herewith the following documents:

1. ROMANISDESIGN Payment Certificate No. 4.
2. ROMANISDESIGN Claim Breakdown No. 4.

The amount certified for payment on our Certificate is **NZD 433,584.72**

If you require further information, please do not hesitate to contact the undersigned.



Romani Katoa  
**ROMANISDESIGN LTD**

Cc:

*Contractor - RVK Contractors - Mr. Keta Williams*

*MOIP TA - MFEM - Mr. Ngateina Rani*

*NZ Aid Development Programme Coordinator - NZAP - Ms. Maureen Hilyard*

**PROGRESS**

CERTIFICATE No : 4

EMPLOYER : Government of the Cook Islands - Ministry of Infrastructure & Planning  
 PROJECT : Northern Group Water Harvesting Project  
 CONTRACT NO. : C03/11  
 CONTRACTOR : RVK Contractors Ltd  
 WORK EXECUTED TO : 20 December 2011  
 CLAIM DATE : 20 December 2011

**CERTIFIED PAYMENT NZD\$ 433,585**

Calculated as shown below ;

|   |   |       |                         |                           |
|---|---|-------|-------------------------|---------------------------|
| 1 | Contract Sum :  |       | NZD\$                   | 1,876,799.79              |
| 2 | Variations Authorized ;   |       |                         |                           |
|   | Additions   | NZD\$ | 0                       |                           |
|   | Deductions  | NZD\$ | 0                       |                           |
|   |   |       | <u>Total Add/Deduct</u> | NZD\$ <u>0.00</u>         |
| 3 | Less Advance Payments for Materials to Manufacturers & Suppliers; |       |                         |                           |
|   | Claim 1   | NZD\$ | 400,000                 |                           |
|   | Claim 2   | NZD\$ | 572,751                 |                           |
|   | Claim 3   | NZD\$ | 341,009                 |                           |
|   |   |       | <u>Total Add/Deduct</u> | NZD\$ <u>1,313,759.88</u> |
| 4 | CONTRACT VALUE as Varied and Adjusted :                           |       | NZD\$                   | <u>1,876,799.79</u>       |
| 5 | Value of Work Completed to Date :                                 |       | NZD\$                   | <b>481,760.80</b>         |
| 6 | Less Retention: 10% of Contract Sum                               | NZD\$ | -\$48,176.08            |                           |
|   |   |       | <u>Total Deduct</u>     | NZD\$ <u>-48,176.08</u>   |
|   |   |       | <b>TOTAL</b>            | NZD\$ <b>433,584.72</b>   |
| 7 | Less Total of Payment Previously Authorized :                     |       | NZD\$                   | 0.00                      |
| 8 | <b>PROGRESS PAYMENT NOW DUE :</b>                                 |       | <b>NZD\$</b>            | <b>433,584.72</b>         |

**Supervisor :** Romani Katoa

**DATE :** 20 December 2011

**CONTRACTOR'S PROGRESS CLAIM** **Claim No. 4**

**NORTHERN GROUP WATER PROJECT**

Date Received: 20-Dec-11

**PROGRESS CLAIM BREAKDOWN**

**CONTRACT:C03/11**

| ITEM No.                                     | DESCRIPTION  | CONTRACT RATES / AMOUNTS |                         |                    |                    | PREVIOUS CLAIMS |                | THIS CLAIM |                | TOTAL TO DATE |              |
|--|--|--------------------------|-------------------------|--------------------|--------------------|-----------------|----------------|------------|----------------|---------------|--------------|
|  |  | Unit                     | Qty                     | Rate NZD\$         | Amount             | Qty-%           | Amount         | Qty-%      | Amount         | Qty-%         | Amount       |
| <b>1 CONTRACTORS MATERIAL CLAIM ADVANCE</b>  |  |                          |                         |                    |                    |                 |                |            |                |               |              |
| 1.1  | Mobilisation & Establishment                             | Item                     | 1                       | \$400,000          | \$400,000          | 100%            | \$400,000.00   | 0%         | \$0.00         | 100%          | 400,000.00   |
| 1.2  | Direct payment to Cook Islands Building Supplies         | Item                     | 1                       | \$572,751          | \$572,751          | 100%            | \$572,750.59   | 0%         | \$0.00         | 100%          | 572,750.59   |
| 1.3  | Direct payment to Cook Islands Steel - roofing materials | Item                     | 1                       | \$341,009          | \$341,009          | 100%            | \$341,009.29   | 0%         | \$0.00         | 100%          | 341,009.29   |
| <b>2 PUKAPUKA</b>                            |  |                          |                         |                    |                    |                 |                |            |                |               |              |
| 2.1  | Total contract cost                                      | Item                     | 1                       | \$1,012,786        | \$1,012,786        | 0%              | \$0.00         | 95%        | \$962,146.49   | 95%           | 962,146.49   |
| 2.2  |  | Item                     | 1                       |                    | \$0                | 0%              | \$0.00         | 0%         | \$0.00         | 0%            | 0.00         |
| <b>3 NASSAU</b>                              |  |                          |                         |                    |                    |                 |                |            |                |               |              |
| 3.1  | Total contract cost                                      | Item                     | 1                       | \$251,218          | \$251,218          | 0%              | \$0.00         | 100%       | \$251,217.54   | 100%          | 251,217.54   |
| 3.2  |  | Item                     | 1                       |                    | \$0                | 0%              | \$0.00         | 0%         | \$0.00         | 0%            | 0.00         |
| <b>4 RAKAHANGA</b>                           |  |                          |                         |                    |                    |                 |                |            |                |               |              |
| 4.1  | Total contract cost                                      | Item                     | 1                       | \$379,159          | \$379,159          | 0%              | \$0.00         | 95%        | \$360,200.92   | 95%           | 360,200.92   |
| 4.2  |  | Item                     | 1                       |                    | \$0                | 0%              | \$0.00         | 0%         | \$0.00         | 0%            | 0.00         |
| <b>5 PENRYHN</b>                             |  |                          |                         |                    |                    |                 |                |            |                |               |              |
| 5.1  | Total contract cost                                      | Item                     | 1                       | \$233,638          | \$233,638          | 0%              | \$0.00         | 95%        | \$221,955.73   | 95%           | 221,955.73   |
| 5.2  |  | Item                     | 1                       |                    | \$0                | 0%              | \$0.00         | 0%         | \$0.00         | 0%            | 0.00         |
| <b>6 LESS ADVANCE PAYMENTS FOR MATERIALS</b> |  |                          |                         |                    |                    |                 |                |            |                |               |              |
| 6.1  | Claims 1, 2, 3   | Item                     | 1                       | \$1,313,760        | \$1,313,760        | 100%            | \$1,313,759.88 | 0%         | \$0.00         | 100%          | 1,313,759.88 |
|  |  |                          | Sub-Total               | \$1,876,800        | \$1,876,800        | 0%              | \$0.00         | 96%        | \$1,795,520.68 | 96%           | 1,795,520.68 |
|  | excl   |                          | VAT (12.5%)             | \$0                | \$0                | 0%              | \$0.00         | 0%         | \$0.00         | 0%            | 0.00         |
|  |  |                          | <b>Total (Lump Sum)</b> | <b>\$1,876,800</b> | <b>\$1,876,800</b> | 0%              | \$0.00         | 26%        | \$481,760.80   | 26%           | 481,760.80   |
| <b>7 VARIATIONS</b>                          |  |                          |                         |                    |                    |                 |                |            |                |               |              |
| 7.1  |  | Item                     | 1                       |                    |                    | 0%              | \$0.00         | 0%         | \$0.00         | 0%            | 0.00         |
|  |  |                          | Sub-Total               | \$0                | \$0                |                 |                |            |                |               | 0.00         |
|  | excl   |                          | VAT (12.5%)             | \$0                | \$0                |                 |                |            |                |               | 0.00         |
|  |  |                          | <b>Total (Var'n)</b>    | <b>\$0</b>         | <b>\$0</b>         |                 |                |            |                |               | 0.00         |
|  | TOTAL SCHEDULED ITEMS (LUMP SUM)                         |                          |                         | \$1,876,800        | \$1,876,800        | 0%              | \$0.00         | 26%        | \$481,760.80   | 26%           | 481,760.80   |
|  | 10 % RETENTION   |                          |                         |                    |                    |                 |                | 10%        | \$48,176.08    | 10%           | 0.00         |
|  | TOTAL VALUE THIS CLAIM - (VAT Excl.)                     |                          |                         | \$1,876,800        | \$1,876,800        | 0%              | \$0.00         | 93%        | \$433,584.72   | 93%           | 1,747,344.60 |

**romanisdesign ltd**  
architecture + design + project management

Supervisor:  
Romani Katoa *Romani*