

Client: **COOK ISLAND GOVERNMENT (MOIP / NZAP)**  
 Project: **NORTHERN GROUP WATER HARVESTING PROJECT**  
 Date: **4<sup>th</sup> January 2012 – 10th February 2012**

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:**

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

Estimated Contract Duration – 6 months

Practical Completion Certification Dates:

Nassau	-	24 October 2011
Pukapuka	-	25 November 2011
Penrhyn	-	19 December 2011
Rakahanga	-	23 December 2011

**Contract Stage – Defects Period:**

6 months from completion of construction works:

Nassau	-	24 April 2012
Pukapuka	-	25 May 2012
Penrhyn	-	19 June 2012
Rakahanga	-	23 June 2012

**2 Project Matters & Update**

a) **Defects Period:** For Nassau, Pukapuka, Penrhyn, Rakahanga and Nassau

**3 Contract Processes**

a) **Contractor Advance Payments & Claims –**

To date the four 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>
1 <sup>st</sup> Claim (4 <sup>th</sup> payment)	<b>\$375,359.94</b>
Payments to date total	<b>\$1,689,119.82</b>

- b) **Onsite Work Assessment** All forms will be sent back to Rarotonga for final approvals and signatures.
- c) **Variations:** No variations requested at this stage.
- d) **Retention:** – the ten percent retention, or \$187,680 of the total Contract Amount has been approved for release. Sixty percent of the retention, \$112,607.98 is immediately payable to the RVK Contractors. The remaining forty percent of the total retention \$75,071.98 is payable at the conclusion of the defects liability period.
- e) All payments to RD are current

<b>4</b>	<b>Construction Matters</b>
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a) **Quality Assurance:**

*Pukapuka* – Connection fittings sent up via plane on the 27<sup>th</sup> December has been fitted and completed. Extra spouting end caps and connections have been completed. Two locals employed by RVK completed minor works completing ‘snag list’ as per Practical Completion Certificates for Pukapuka.

*Penryhn* – 5 x Tap fittings were delivered to Penryhn and fitted as per PCC.

*Rakahanga* – 15 outlet droppers for spouting have been delivered and installed as per PCC ‘snag list’.

- b) **Provision of materials, equipment and services by Contractor:** Contractor sent up final fittings, stop-ends and material to Penryhn, Pukapuka and Rakahanga to complete Defects List

<b>PUKAPUKA</b>	<b>Complete</b>
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**Yato Village:**

PUK 1	Apitai Teinaki:	Needs spouting and fascia board
PUK 15	Patuki Tengere:	Needs fascia board & spouting, first flush system
PUK 17	Rito Tinokura:	Needs pipe connection for extra 3,000L tank
PUK 20	Rukuaro Marukore:	Needs pipe connection for extra 3,000L tank
PUK 35	Joe Angaino:	Water tank needs to be connected

**Roto Village:**

PUK 56	Manurere Opo:	Needs roofing iron sheets
PUK 57	Marurai Marurai:	Water tank needs to be connected
PUK 62	Peua Taingauru:	Water tank needs to be connected
PUK 64	Tavero Robati:	Needs pipe connection for extra 3,000L tank
PUK 69	Titonga Henry:	Water tank needs to re-levelled
PUK 73	William William:	Water tank needs to be connected
PUK 77	Tawaia Temoana:	Needs first flush system
PUK 78	Mataa Aumatangi:	Needs extra roofing iron sheets (refer to PR05)

<b>PENRHYN</b>	<b>Complete</b>
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**Omoka:**

PEN 28	Kirikava Moerangi:	Needs water tank fittings
PEN 35	Pa Taime:	Needs water tank fittings

**Tetautua:**

PEN 47	Koiatu Raki:	Needs water tank fittings
PEN 55	Tekotia Joe	Needs water tank fittings
PEN 59	Tome Nikau	Needs water tank fittings

RAKAHANGA		Complete
RAK 3	CICC Residence:	Needs outlet droppers for spouting
RAK 6	Kaingata Timoti:	“
RAK 9	Mita Aporo:	“
RAK 13	Sema Peter:	“
RAK 15	Takai Temu:	“
RAK 17	Temu Hagai:	“
RAK 20	Tomoko Ben:	“
RAK 21	Toto Setifano:	“
RAK 25	Aporo Piho:	“
RAK 27	Kimiora Takai:	“
RAK 31	Ngatangata Takai	“
RAK 34	Philip Reubena Snr:	“
RAK 36	Punatau Mataio:	“
RAK 40	Taunga Toka:	“

## 7 Other Matters

- 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

## 8 Summary of numbers

Based from Onsite Work Assessment Forms

<i>Island</i>	<i>Tanks 3,000L</i>	<i>Tanks 6,000L</i>	<i>Total water capacity</i>	<i>Fascia &amp; spouting, m length</i>	<i>First flush system</i>	<i>Roofing iron m2</i>
<b>Nassau</b>	-	34	204,000L	338	34	860
<b>Pukapuka</b>	87	105	891,000L	1404.70	150	4004.15
<b>Rakahanga</b>	-	50	300,000L	575.26	44	5351.20
<b>Penrhyn</b>	21	60	423,000L	734.60	73	629.85
<b>Totals</b>	108	248	1,818,000L	3,052.56	301	10,845.20

<i>Island</i>	<i>Cost 3,000L tanks</i>	<i>Cost 6,000L tanks</i>	<i>Cost of fascia &amp; spouting m length</i>	<i>Cost First flush system</i>	<i>Cost Roofing iron m2</i>	<i>Total cost per island</i>
<b>Rate</b>	<b>\$3197</b>	<b>\$4007</b>	<b>\$39</b>	<b>\$75</b>	<b>\$37.5</b>	
<b>Nassau</b>	-	136,238	13,182	2,550	32,250	<b>\$184,220</b>
<b>Pukapuka</b>	278,139	420,735	54,783.30	11,250	150,155.63	<b>\$915,062.93</b>
<b>Rakahanga</b>	-	200,350	22,435.14	3,300	200,670	<b>\$426,755.14</b>
<b>Penrhyn</b>	67,137	240,420	28,649.40	5,475	23,619.40	<b>\$365,530.80</b>
<b>Totals</b>	345,276	997,743	119,049.84	22,575	406,695	<b>\$1,891,338.87</b>

- Note – total above 99.9% complete

ORIGINAL CONTRACT VALUE: **\$1,876,799.79**

ACTUAL CONSTRUCTION WORKS: MEASURE & VALUE: **\$1,891,338.87**

DIFFERENCE: **\$14,539.08**

Kia Manuia,

Romani Katoa  
Project Manager  
**ROMANISDESIGN LTD**

## PRACTICAL COMPLETION CERTIFICATE

25 November 2011

Client: *Donye Numa*  
*Acting Secretary*  
*Ministry of Infrastructure & Planning*  
*PO BOX 102*  
*Avarua, Rarotonga*  
*Cook Islands*

Contractor: *Keta Williams*  
*RVK Contractors Ltd*  
*PO BOX 328*  
*Rarotonga*  
*Cook Islands*

Dear Donye,

### **NORTHERN GROUP RAINWATER HARVESTING PROJECT - C03/11**

### **PUKAPUKA CERTIFICATE OF PRACTICAL COMPLETION**

The above works have been completed as defined under Section 1 of the 'Contract Documents', the General Conditions of Contract.

This is effective from *25 November 2011* and the Defects Liability Period commences from that date.

The six months Defects Liability Period is due to expire on *25 May 2012*.

The contractor's remaining obligations include the following items:

#### **Yato Village:**

PUK 1	Apitai Teinaki:	Needs spouting and fascia board
PUK 15	Patuki Tengere:	Needs fascia board & spouting, first flush system
PUK 17	Rito Tinokura:	Needs pipe connection for extra 3,000L tank
PUK 20	Rukuaro Marukore:	Needs pipe connection for extra 3,000L tank
PUK 35	Joe Angaino:	Water tank needs to be connected

#### **Roto Village:**

PUK 56	Manurere Opo:	Needs roofing iron sheets
PUK 57	Marurai Marurai:	Water tank needs to be connected
PUK 62	Peua Taingauru:	Water tank needs to be connected
PUK 64	Tavero Robati:	Needs pipe connection for extra 3,000L tank
PUK 69	Titonga Henry:	Water tank needs to re-levelled
PUK 73	William William:	Water tank needs to be connected
PUK 77	Tawaia Temoana:	Needs first flush system
PUK 78	Mataa Aumatangi:	Needs extra roofing iron sheets (refer to PR05)

Yours faithfully



*Romani Katoa*  
*Project Manager*  
**ROMANISDESIGN LTD**  
*Northern Group Rainwater Harvesting*

## PRACTICAL COMPLETION CERTIFICATE

23 December 2011

Client: *Donye Numa*  
*Acting Secretary*  
*Ministry of Infrastructure & Planning*  
*PO BOX 102*  
*Avarua, Rarotonga*  
*Cook Islands*

Contractor: *Keta Williams*  
*RVK Contractors Ltd*  
*PO BOX 328*  
*Rarotonga*  
*Cook Islands*

Dear Donye,

### **NORTHERN GROUP RAINWATER HARVESTING PROJECT - C03/11**

### **NASSAU CERTIFICATE OF PRACTICAL COMPLETION**

The above works have been completed as defined under Section 1 of the 'Contract Documents', the General Conditions of Contract.

This is effective from *24 October 2011* and the Defects Liability Period commences from that date.

The six months Defects Liability Period is due to expire on *23 April 2012*.

Yours faithfully



*Romani Katoa*  
*Project Manager*  
**ROMANISDESIGN LTD**  
*Northern Group Rainwater Harvesting*

## PRACTICAL COMPLETION CERTIFICATE

19 December 2011

Client: Donye Numa  
Acting Secretary  
Ministry of Infrastructure & Planning  
PO BOX 102  
Avarua, Rarotonga  
Cook Islands

Contractor: Keta Williams  
RVK Contractors Ltd  
PO BOX 328  
Rarotonga  
Cook Islands

Dear Donye,

### **NORTHERN GROUP RAINWATER HARVESTING PROJECT - C03/11**

### **PENRYHN CERTIFICATE OF PRACTICAL COMPLETION**

The above works have been completed as defined under Section 1 of the 'Contract Documents', the General Conditions of Contract.

This is effective from *19 December 2011* and the Defects Liability Period commences from that date.

The six months Defects Liability Period is due to expire on *19 June 2012*.

The contractor's remaining obligations include the following items:

#### **Omoka:**

PEN 28	Kirikava Moerangi:	Needs water tank fittings
PEN 35	Pa Taime:	Needs water tank fittings

#### **Tetautua:**

PEN 47	Koiatu Raki:	Needs water tank fittings
PEN 55	Tekotia Joe	Needs water tank fittings
PEN 59	Tome Nikau	Needs water tank fittings

Yours faithfully



Romani Katoa  
Project Manager  
**ROMANISDESIGN LTD**  
Northern Group Rainwater Harvesting

## PRACTICAL COMPLETION CERTIFICATE

23 December 2011

Client: Donye Numa  
Acting Secretary  
Ministry of Infrastructure & Planning  
PO BOX 102  
Avarua, Rarotonga  
Cook Islands

Contractor: Keta Williams  
RVK Contractors Ltd  
PO BOX 328  
Rarotonga  
Cook Islands

Dear Donye,

### NORTHERN GROUP RAINWATER HARVESTING PROJECT - C03/11

### RAKAHANGA CERTIFICATE OF PRACTICAL COMPLETION

The above works have been completed as defined under Section 1 of the 'Contract Documents', the General Conditions of Contract.

This is effective from 23 December 2011 and the Defects Liability Period commences from that date.

The six months Defects Liability Period is due to expire on 23 June 2012.

The contractor's remaining obligations include the following items:

#### Rakahanga:

RAK 3	CICC Residence:	Needs outlet droppers for spouting
RAK 6	Kaingata Timoti:	"
RAK 9	Mita Aporo:	"
RAK 13	Sema Peter:	"
RAK 15	Takai Temu:	"
RAK 17	Temu Hagai:	"
RAK 20	Tomoko Ben:	"
RAK 21	Toto Setifano:	"
RAK 25	Aporo Piho:	"
RAK 27	Kimiora Takai:	"
RAK 31	Ngatangata Takai	"
RAK 34	Philip Reubena Snr:	"
RAK 36	Punatau Mataio:	"
RAK 40	Taunga Toka:	"

Yours faithfully



Romani Katoa  
Project Manager  
**ROMANISDESIGN LTD**  
Northern Group Rainwater Harvesting