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## WRITTEN QUESTION 96/2024

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*Hon. Jone Usamate to ask the Minister for Lands and Mineral Resources – Can the Minister inform Parliament on all Ground Water projects that were to be **drilled and reticulated** in both large and small islands in the 2023-2024 financial year to include the following information –*

- a) the budget of each project.*
- b) the date each project was or is scheduled to be completed; and*
- c) the percentage completion of each project.*

### **A) A brief overview of groundwater projects so far in 2023-2024**

A total sum of **\$2.5M** was allocated for Large Islands and **\$1M** for Small Islands.

The funds for both Capital Projects were under 'R' and had to be requested through the RIE process.

For the drilling program, the rigs are normally serviced and repaired from its operations in the previous year. In the new Financial Year once funding is received all drill rigs including the compressors had to undergo maintenance and repairs.

For the Large Islands program, three of the five targets planned for Quarter Two were achieved because only one rig was operational out of the three truck-mounted rigs. This improved once a second rig was repaired and the Division achieved the six targets planned for Quarter Three. Furthermore, one out of the seven targets for Q4 have been successfully completed as of 24/5/24.

While Small Islands RIE was released at the end of Quarter One, the Division is still waiting for the release of the remaining funds to complete its targets for Quarter Four for all activities including Drilling and Reticulation.

Reticulation works will commence once drilling is completed.

**B) SUMMARY OF TABULATED ACHIEVEMENTS TO DATE WITH QUARTERLY TARGETS**

Activity	Total Planned	Quarterly Targets	Achieved	Pending
<b>Small Islands Drilling</b>	6	Q1 - 0	Q1 - 0	
		Q2 - 3	Q2 - 2	
		Q3 - 2	Q3 - 2	
		Q4 - 1		Q4 - 2
<b>Large Islands Drilling</b>	21	Q1 - 3	Q1 - 0	
		Q2 - 5	Q2 - 3	
		Q3 - 6	Q3 - 6	
		Q4 - 7		Q4 - 7
<b>Small Islands Reticulation</b>	6	Q1 - 0	Q1 - 0	
		Q2 - 2	Q2 - 1	
		Q3 - 2	Q3 - 1	
		Q4 - 2		Q4 - 4
<b>Large Islands Reticulation</b>	8	Q1 - 0	Q1 - 0	
		Q2 - 2	Q2 - 1	
		Q3 - 2	Q3 - 1	
		Q4 - 4		Q4 - 4

**C) TABLE OUTLINING BUDGETS, PROGRESS, LOCATIONS**

1) **Drilling**

No.	Location	Large Island / Small Island	Budget	% Progress	
1)	Cicia Secondary School, Lau	<b>Small Islands</b>	\$300,000	100% Completed	
2)	Mabula Village, Cicia			100% Completed	
3)	Mabula Primary School, Cicia			100% Completed	
4)	Nukuni/Lovoni Village, Ono-i-Lau, Lau			<b>Qtr4</b>	
5)	Onolevu District School, Lau				
6)	Udu Village, Totoya, Lau			100% Completed	
7)	Kubulau District School, Bua	<b>Vanua Levu</b>	\$450,000	Moved to 2024-2025	
8)	Namalata, Kubulau, Bua				
9)	Volivoli, Nakorotubu, Ra	<b>Viti Levu</b>			<b>Qtr4</b>
10)	Tubalevu, Namara, Tailevu				
11)	Naveisabasaba, Nadroga			100% Completed	

12)	Vusama, Nadroga	<b>Viti Levu</b>		The Honorable Minister for Infrastructure has announced WAF will extend its system to Vusama and Naveisabasaba villages. Therefore, borehole source is not necessary.
13)	Nasovatava, Nadroga			<b>Qtr4</b>
14)	Narewa, Nadroga			100% Completed
15)	Lomawai Secondary School, Nadroga			100% Completed
16)	Waica Settlement, Nadroga			
17)	Sawene, Nadroga			<b>Qtr4</b>
18)	Nelson Palmer Primary School, Nadroga			
19)	Naweni, Cakaudrove	<b>Vanua Levu</b>		A different water source and water supply system has been commissioned by the Hon. Speaker of Parliament, Ratu Naiqama Lalabalavu in February 2024; therefore, the borehole source is no longer necessary
20)	Namuka-i-Cake Primary School, Macuata			100% Completed
21)	Nabubu, Macuata			100% Completed
22)	Lakeba, Macuata			100% Completed
23)	Cakanimoto, Macuata			
24)	Sevacagi, Macuata			100% Completed
25)	Nakelikoso Primary School, Macuata			In progress – 50% complete
26)	Nakalou, Macuata			
27)	Nabua Cakaudrove			<b>Qtr4</b>
28)	Bucaiyavu, Cakaudrove			

**D) Budget Details:**

i) Groundwater Assessment and Development – Small Islands

Detail breakdown of Components	2023-2024 Total Request (\$)
1. Groundwater assessments and investigations (10 communities)	\$100,000
2. Groundwater drilling, development and evaluation	\$250,000
3. Groundwater reticulation and water supply management plans (WSMP) (6 communities)	\$350,000
4. Hydrometric surveys (monthly monitoring of the established network of bores)	\$50,000
5. Well Development (rehabilitation) (Eastern – Moce, Komo, Ono; Central – Batiki, Yanuca; Northern – Mali, Kia, Druadrua, Yasawa, Nagasauva; Western – Naviti, Yaqeta, Matacawalevu, Nacula, Yasawa-i-rara)	\$235,000
6. Equipment- Hand Auger	\$15,000
<b>Total</b>	<b>\$1,000,000</b>

ii) Groundwater Assessment and Development – Large Islands

Detail breakdown of Components	2023-2024 Total Request (\$)										
1. Reconnaissance Assessment (21 communities)	\$20,000										
2. Hydrological Investigations (18 communities)	\$120,000										
3. Groundwater assessments and investigations (21 community's communities)	\$100,000										
4. Groundwater drilling, development and evaluation	\$450,000										
5. Water Supply Management (8 communities)	\$350,000										
<table border="1"> <thead> <tr> <th>Viti Levu</th> <th>Vanua Levu</th> </tr> </thead> <tbody> <tr> <td>1. Rararua village, Nadroga</td> <td>1. Votua village, Bua</td> </tr> <tr> <td>2. Naveyago village, Nadroga</td> <td>2. Vavalagi-Nasea, Macuata</td> </tr> <tr> <td>3. Vatia Settlement, Tavua</td> <td>3. Vavalagi-Batiri, Macuata</td> </tr> <tr> <td>4. Naveisabasaba village, Nadroga</td> <td>4. Koroinasolo village, Bua</td> </tr> </tbody> </table>		Viti Levu	Vanua Levu	1. Rararua village, Nadroga	1. Votua village, Bua	2. Naveyago village, Nadroga	2. Vavalagi-Nasea, Macuata	3. Vatia Settlement, Tavua	3. Vavalagi-Batiri, Macuata	4. Naveisabasaba village, Nadroga	4. Koroinasolo village, Bua
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3. Vatia Settlement, Tavua	3. Vavalagi-Batiri, Macuata										
4. Naveisabasaba village, Nadroga	4. Koroinasolo village, Bua										
6. Groundwater Monitoring	\$70,000										
7. Groundwater Inventory and Research	\$150,000										

8. Technical Equipment to be purchased- - Horiba x3 - \$30,000 - Dipper x6 - \$20,000 - Data Logger x30 - \$ 60,000 - Bailer x5 - \$10,000 - Column Pipes x5 - \$30,000	\$150,000
9. ABEM LS2 Terrameter	\$150,000
10. Variable Frequency Drive (VFD)	\$80,000
11. Geophysical Borehole Logging	\$200,000
12. Renovation – Hydrogeology Office/Drill Yard	\$100,000
13. Drilling Training	\$100,000
14. Project Posts (32 positions)	\$460,000
<b>Total</b>	<b>\$2,500,000</b>

Thank you.

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