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and Resilient
Vanuatu”**

**REPUBLIC OF VANUATU
NATIONAL DISASTER
MANAGEMENT OFFICE
PRIVATE MAIL BAG 9107
PORT VILA**

RAPID TECHNICAL ASSESSMENT OF THE AFFECTED ISLANDS BY TC JASMINE IN TAFEA PROVINCE

Date: 11th, 12th and 13th February 2012.

INTRODUCTION

Tropical Cyclone Jasmine passed close to Tafea Province on 10th February 2012. The islands that were reporting some sort of damages done by this cyclone were Tanna and Aneityum. These are the islands which still have communication linkages using the two mobile networks. The NDMO could not establish communication with Futuna and Aniwa islands.

Initial damage reports were coming in from different sources and this information needed to be verified by an independent source and therefore the NDMO organized and deployed a rapid technical assessment team from Port Vila.

A Rapid Technical Assessment (RTA) is usually undertaken after the Initial Community Assessment (ICA) has been undertaken at the community level after a hazard (cyclone) had passed through a location and in this case TC Jasmine over some islands in Tafea province. The targeted islands are Tanna, Aniwa, Futuna and Aneityum.

The RTA was undertaken 2 – 5 days after TC Jasmine passed close to the above mentioned islands. A team consisting of specialist from each cluster was deployed on the 12th and 13th February 2012 from Port Vila to do this assessment and report back to the NDMO.

TEAM MEMBERS

NDMO

Gideon Mael – Operations Manager
Steven Noel – TA Officer
Alice Iarem – DRR Officer
Peta Turnbull – DRR Officer

OXFAM

Graham Kenna - Logistician
Ruth Hutchin - Logistician

Philip Meto – PL Officer

AGRICULTURE

Peter Iesul – Farming Practice
Willie Iau– Agric. Extension Officer
Simon Seaka – Agric. Extension Officer
Richard Narinam

SAVE THE CHILDREN

Mishael Garae
Rebecca Iakem

HEALTH

Ruth Moyse
Browne Yoane
Hensely Garae

RED CROSS

Shirley Johnson
Jimmy Hansen

LIVE & LEARN

Jeffrey Reubin

WORLD VISION

Nini Tamasu
Emil Nimisia

CHURCH LEADERS

Pastor Thomas
Thomas Beblu

TAFEA PROVINCIAL GOVERNMENT

Lui Alick -Area Secretary

VHT

Jennifer Worthington – Coordinator

ADRA

David Cram – Country Coordinator

CLUSTER MEMBERS IN THE TEAM

LOGISTICS	EDUCATION /PROTECTION	HEALTH & NUTRITION	WASH	AGRICULURE & FOOD SECURITY
G. Mael	M. Garae	S. Noel	D. Cram	P. Iesul
G. Kenna	S.Nyrus	R. Moyse	P. Meto	A. Iarem
R. Hutchin	Y. Fred	C. Johnson	S. Johnson	W. Iau
P. Turnbull	R. Iakem	B. Kalsim	M. Cliff	S. Seaka
		J.Hansen		R. Narinam

Assessment teams began on February 12 as a group of two. The team was split into two (2) groups, one doing the assessment on Tanna and one team was deployed to do the assessment on Aneityum, Futuna and Aniwa. The Team that did the assessment on Aneityum, Futuna and Aniwa used a chartered plane from Port Vila for the whole day on 13th February 2012. This team was eventually dropped on Tanna to join the other team and complete the Tanna assessment.

Two NDMO officers were deployed to Tanna on the 11th of February to contact the Tafea Provincial Government, Area Council Secretaries and other agencies on Tanna as well as gather information from travelers arriving from the islands of Erromango, Futuna and Aniwa. The assessment team for Tanna was deployed on February 12. On February 13, the Tanna assessment team met with Tanna Area Council Secretaries, Government & NGO agencies, and church leaders.

The general reports from this meeting allowed the assessment teams to identify the areas that needed rapid assessment. Middle Bush was identified as the first area for assessment on February 13. Three teams were deployed to this area. Other areas designated for assessment were in the South West and North. Four teams were deployed on February 14. The team utilized several vehicles from both Tanna based agencies such as Live & Learn, World Vision as well as Tafea Provincial Government vehicles to move from Lenakel where the Provincial Headquarter was located.

The VHT coordinator supported the NDMO by contacting Vila based NGOs to request for assessment team members and to identify provincial based staff and contact persons in Tafea province. NGOs were also requested to provide vehicles and resources in Tanna to support the assessment team. The agencies based in Tanna for example were able to provide vehicles to support the assessment team.

POPULATION INFORMATION ON THE AFFECTED ISLANDS

Province	Island	Area Council	Population	Household
TAFEA	Aneityum	Aneityum	915	189
TAFEA	Aniwa	Aniwa	341	84
TAFEA	Erromango	North Erromango	1,360	224
TAFEA	Erromango	South Erromango	599	101
TAFEA	Futuna	Futuna	526	107
TAFEA	Tanna	Middle Bush Tanna	4,564	812
TAFEA	Tanna	North Tanna	4,303	794
TAFEA	Tanna	South Tanna	1,010	226
TAFEA	Tanna	South West Tanna	4,329	672
TAFEA	Tanna	West Tanna	8,137	1,423

TAFEA	Tanna	Whitesands	6,456	1,228
		Total	32,540	5,860

Source: 2009 Census of Population and Housing, VNSO

FINDINGS FROM THE RAPID TECHNICAL ASSESSMENT

Findings from the assessment will be present by each island in terms of template to see the extent of damages done and also what is needed.

TANNA ISLAND

SECTORS	COMMENTS	RECOMMENDATION	NEEDS
Agriculture	Damage to food crops in South West Tanna, North Tanna, Middle Bush	Provision of vegetable seeds to West and South West <u>ONLY</u> to household that are farming on high grounds. Identified villages that sustained damages on garden crops then other villages due to garden location (high land topography that are exposed to strong winds) on the West are Lamkail, Lenamir, Lapkit,, Letaus, Lounelapen, Lowiniou, Bethel and on the South west are Yetakuwas, Yelkis, Iapnamel, Iapnewitaleng, Envitana, Ikwipir and Yakuriang. Close attention should also target areas that have some custom beliefs of not consuming damaged crops that have been taken down by cyclones. One identified village on the south west is Yelkis which have cases of Malnutrition as reported by Lenakel hospital.	Seeds and Seedlings
Health	Lounatnge Aid Post – roof damaged	Tafea Health Post to fix damaged roof	
Wash	Some water sources	2 x 10,000Lt polly tanks to	2 x 10,000Lt Water

	were destroyed on S.W. Tanna and other sources contaminated with mud from runoffs.	Envitana (tanks to service up to 10 villages) 1 x 6,000Lt polly tank to Ikamattao 100 Jerry Cans to Iapnevetaling / Iautukuas (SW Tanna) to fetch clean water 2hrs away Fix one gravity feed water system in Launapiu. One currently works but the clean water source is 20km (4/5hrs) walk.	Tank 1 x 6000Lt Water Tank 100 x Jerry Cans
Education	3 Classrooms at Enukas Primary school (North Tanna) were destroyed (population 112) Most schools have commenced school after the long break.	Classrooms were built out of local materials. School to organize reconstruction.	
Shelter	No reported damages to buildings use as accommodation but some damages to other buildings such as kitchen and other buildings.		
Infrastructure	No reported damages to the airport, roads, government buildings, but the wharf in Lenakel was damaged.	PWD to undertake further assessment of the wharf at Lenakel to determine cost for repairs.	
Communication	No reported damages to TVL and Digicel towers on the island.	HF radio communication audit	HF radios to be located in areas that have no mobile phone coverage.
Protection	No reports	VPF to continue maintaining law & order	

		with assistance of community leaders	
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ANIWA

SECTORS	COMMENTS	RECOMMENDATION	NEEDS
Agriculture	Damage to food crops such as banana, manioc and fruit trees (oranges). Community believes that they have enough food to get them through to the next harvest.	Need close monitoring for food needs in affected communities and number of affected households.	
Health	There are no reported damages to health building on the island but need medical supplies and trained nurses.	MOH to ensure that medical supplies and trained nurses are continually made available on this island.	MOH - Medical supplies and trained nurses
Wash	Main water supply is water tanks. The communities have access to clean water supplies. They have a second source deep in sand if needed.		
Education	School had recommenced. Repairs to kindy (not related to cyclone) means it will start next week.		
Shelter	No reported damages to buildings use as accommodation but some damages to bungalows use by visitors to the island.	Community to reconstructed bungalows as it a major source of income.	
Infrastructure	No reported damages to the airport and	AVL to ensure that this airstrip is maintained at all times and also Air Vanuatu	

	government buildings on the island.	to repair HF radio at the terminal.	
Communication	Communication to this island is via Digicel network which is available in only some parts of the island	Repair HF Radio at Airport HF radio to be tuned in with Frequencies MOH, VMGD, Police, NDMO, Air Vanuatu	HF radio to be located with Area Council Secretary for access.
Protection	No reports	VPF to continue maintaining law & order with assistance of community leaders	

FUTUNA

SECTORS	COMMENTS	RECOMMENDATION	NEEDS
Agriculture	Damage to food crops in Mission Bay area and Harold Bay area. Harold Bay community believes that they have enough food to get them through to the next harvest.	Need close monitoring for food needs in affected communities and number of affected households.	
Health	There are no reported damages to infrastructures but health centre needs medical supplies and trained nurses. Nurse Jimmy Joe will be transferred in March with urgent supplies packed and ready to transport.	MOH need to ensure that medical supplies and trained nurses are continually made available on this island.	MOH - Medical supplies and trained nurses
Wash	Main water source is through streams, directly after cyclone water was dirty however the stream is now clean and	Community to repair / replace damaged water pipe	

	access is good. Also have access to water tanks. One pipe is old and damaged in lasoa (not caused by cyclone)		
Education	A school dining hall was damage at Harold Bay but has been repaired. School has commence after the long break.	School to organize repair to dinning hall.	
Shelter	No reported damages to buildings use as accommodation but some damages to other buildings such as kitchen and other buildings.		
Infrastructure	No reported damages to the airport and government buildings on the island.	AVL to ensure that the airport is maintained and operational on the island and air Vanuatu to repair their HF radio.	
Communication	No access to both TVL and Digicel networks. Access to radio in the morning and afternoon only	HF radio to be tuned in with Frequencies MOH, VMGD, Police, NDMO, Air Vanuatu Look to improve access to radio 24hrs a day	HF radios to be located with the Area Council Secretary.
Protection	No reports	VPF to continue maintaining law & order with assistance of community leaders	

ANEITYUM

SECTORS	COMMENTS	RECOMMENDATION	NEEDS
Agriculture	Damage to food crops.	Department of Agriculture to do a detailed assessment of Gardens throughout	Potential need for seeds and seedlings. Further

		Aneytem	information to be provided by the department of Agriculture
Health	There are no reported damages to infrastructures but some health centre need medical supplies and trained nurses. Shipment of medical supplies issued on 14.2.12.	MOH to ensure that medical supplies and trained nurses are continually made available on this island.	MOH - Medical supplies and trained nurses
Wash	More information to be gathered about WASH	WASH expert to assess water supply	
Education	There was report for damages to a school dining hall and toilets located close to coastal area. There are plans to relocate the school further away from the coast.	MOE - to further plans for relocation to the school	
Shelter	No reported damages to buildings use as accommodation but some damages to other buildings such as kitchen and other buildings.		
Infrastructure	No reported damages to the airstrip but some damages to the jetty on Mystery island.	AVL to maintained airstrip on the island to ensure it is operational. Community to continue to repair the floating jetty on mystery island	
Communication	There is access to TVL mobile network on one side of the island.	HF radio to be tuned in with Frequencies MOH, VMGD, Police, NDMO, Air Vanuatu	HF radios to be located with the Area Council Secretary on the island.
Protection	No reports	VPF to continue	

		maintaining law & order with assistance of community leaders	
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ERROMANGO

SECTORS	COMMENTS	RECOMMENDATION	NEEDS
Agriculture	Damage to food crops. Reports suggest enough food supplies until the next harvest.	Need close monitoring for food needs in affected communities and number of affected households.	
Health	13 year old boy confirmed PHM infected before cyclone with Meningitis died after cyclone. Reports of sickness in Dillions Bay Francisco Ritchy to take up post in Dillions Bay Dispensary 23.2.12 Medical supplies to follow	Malaria Team to travel to Ipota Medical team to head to Dillions Bay to investigate sickness MOH to ensure that medical supplies and trained nurses are continually made available on this island.	MOH - Medical supplies and trained nurses
Wash	Reports of contaminated water at Dillion's Bay.	WASH expert to assess water supply	
Education	School has commence after the long break		
Communication	There is access to Digicel and TVL mobile network on one side of the island.	HF radio to be tuned in with Frequencies MOH, VMGD, Police, NDMO, Air Vanuatu	HF radios to be located with the Area Council Secretary on the island.
Protection	No reports	VPF to continue maintaining law & order with assistance of community leaders	

The assessment has been done and identified needs are outlined for each island above. Some identified needs have resulted from the recent passing of TC Jasmine and others were identified as the NDMO and partners were undertaking the assessment exercises.

RECOMMENDATIONS FOR NATIONAL DISASTER COMMITTEE (NDC) **CONSIDERATIONS**

The NDMO would like to therefore recommend that the NDC consider the following recommendations resulting directly from Tropical Cyclone Jasmine and other needs that were identified by the assessment team. Recommendations had been broken down by sector for attention by each respective government and partner agencies.

FOR NATIONAL DISASTER MANAGEMENT OFFICE (NDMO)

1. A detailed assessment of Aneityum with representatives from Agriculture, WASH and NDMO;
2. NDMO as the lead agency for logistics cluster to complete a communications audit throughout Tafea and Vanuatu for MOH, VMGD, Air Vanuatu, Police, etc. to ensure all HF Radios;
 - a. Maintained and operational;
 - b. Frequencies turned in to HF set and are available;
 - c. Access to the HF set (i.e airports terminal operators, police, health, chef, forecaster, Area Council Secretaries, Community Disaster Committee chairperson etc)
3. All frequencies are available to the NDMO.

FOR DEPARTMENT OF AGRICULTURE & RURAL DEVELOPMENT (DARD)

4. Supply of seeds and seedlings to those communities identified above;
5. Provision of planting materials from VARTC (Santo), DARD (Efate) and Montmartre farm (Efate) of early maturing crops such as cassava, sweet Potatoes (Baby Kumala), Taro and Banana. This would be established at the Isangle Agriculture station for multiplication/bulking purposes and for distribution to farmers.
6. DARD Field officers to advise farmers on sustainable farming practices such as contour farming/terrace on sloppy areas and agro-forestry to prevent strong winds, soil erosion and landslides during cyclone. This should include the introduction of vetiver grass from Aneityum (Analuhhat) to control soil erosion.
7. DARD field officers to introduce other root crops that are resilient to strong winds. one of this crop that is very popular in the North (Ambae) that have prove to stand against very strong winds is the Navia. Seedlings are available at the VARTC (Santo) and on Teouma (Efate). There should be multiplication/and bulking plots at the Isangle Agriculture so that seedlings may be distributed to farmers.

FOR RURAL WATER SUPPLY UNIT

1. Get Officer from Rural Water Supply to repair water systems that were damaged or down.

FOR PUBLIC WORKS DEPARTMENT

1. Link the costs for the repair of Lenakel wharf to the shipping project about to start in Vanuatu and Tanna.

FOR MINISTRY OF EDUCATION

1. MOE and Department responsible for Primary Education develop plans to relocate a school on Aneytum to a safe location.

FOR MINISTRY OF HEALTH

2. Ministry of Health to complete an audit throughout Tafea and Vanuatu for all medical facilities;
 - a. Medical buildings are maintained and operational;
 - b. Medical facilities and supplies are well stocked;
 - c. Process of ordering and delivering medical supplies is working; and
 - d. Medical personnel that are allocated to areas are in place.

FOR VHT AND NDMO

3. Organize and arrange Supply of water tanks to Envitana and Ikamatta areas as people within these communities do not have access to good drinking water;
4. Following a communications audit source funding support from partners to assist with making HF radios available in areas that do not have access to communication; and
5. Work with Radio Vanuatu and FM 107 to ensure access to all communities.