



TITLE- COMMUNITY-BASED RESTORATION OF CYCLONE-AFFECTED VULNERABLE MANGROVE FORESTS THROUGH THE EMPOWERMENT OF COASTAL COMMUNITIES AND WOMEN IN THE REWA DELTA, FIJI

**MANGROVE TRAINING REPORT FOR TAILEVU AND REWA
PROVINCE ITTO PROJECT AREA
16th-17th APRIL 2024**

Activity 1.1: *Training workshop on “Community-based Management Guideline for Mangrove Rehabilitation and Restoration in Fiji” relative to the importance of mangroves; their rehabilitation, conservation and the roles of communities as managers for their long term sustainability*

Activity 2.1: *Community training on the collection of quality seedlings for indigenous mangrove species and nursery techniques for raising native mangrove species.*

Activity 4.1 *Community training on natural disaster preparedness, disaster risk management and emergency response to climate change related disasters.*

Activity 4.2: *Community Disaster Action Plan is established through relevant Government Agencies and NGOs to safeguard the lives of coastal communities*

Activity 4.3: *Training on ecosystem-based adaptation relating to forestry, water and agriculture by integrating traditional knowledge and skills on the conservation and sustainable use of natural resources to increase resilience and reduce vulnerability to natural hazards*

PROJECT NO	: - PP-A/59-351
HOST GOVERNMENT	: - Gov't of Japan
EXECUTING AGENCY	: -Ministry of Fisheries and Forest, Govt' of Fiji.
PROJECT CORDINATOR	: - Elimi Kurusiga
PROJECT START DATE	: - January 2024 (Planned)
DURATION OF THE PROJECT	: - January 2024-December 31 st 2024

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1.0 SUMMARY:

The Adaptation of the new version of Mangrove guideline to the communities of Rewa and Tailevu is the key component of the two days training for communities to understand their role from Village level and to Government process and procedures in accordance to the necessary legislation required. Villages' status and ranks are clearly demarcated within the "I Taukei" communities which is founded by Mataqali(Clan) and Tokatoka(Family). To manage mangrove resource must seriously build within the standards rules of the communities and valued by everyone. Aligning Clear strategies for the villages enhance the level of respect and build successful bonding within and increase the sustainability of Mangrove resource through respect and better management lifestyle.

Climate change is an unexpected events that may results in certain mode of disasters affecting mangrove ecosystems and can suffocates source of livelihood to vulnerable communities. The "*natural disaster preparedness, disaster risk management and emergency response to climate change related disasters*" training and in conjunction with "*ecosystem-based adaptation relating to forestry, water and agriculture by integrating traditional knowledge and skills on the conservation and sustainable use of natural resources to increase resilience and reduce vulnerability to natural hazards*" training builds a platform knowledge and understanding for the six mangrove vulnerable communities to standardize village structure and identify clear process with scenario planning to adapt and minimize any disaster occurrence. It also improves intellectual abilities through traditional knowledge for participants to strategies disaster action plan for their own villages on all various line of livelihood.

The "*Community training on the collection of quality seedlings for indigenous mangrove species and nursery techniques for raising native mangrove species*" training improve the vulnerable mangrove communities' knowledge and experience on methods to raise mangrove seedling within the micro climate of their various villages mangrove areas. These are an additional advance knowledge of upgrading village nurseries from temporary standard to likely permanent system. Also support adapting of new native species traditionally known by the communities to support the mangrove ecosystem and improve livelihood.

The end of the training establish a new mindset of communities with set of mangrove guideline to adhere with and resiliently uphold village structure process and procedures that identify clear directions to individual communities during any disaster scenario. This ensures traditions and cultures are maintained and government legislations are respected by the communities. We confidently confirm the safety of our mangrove resource ecosystem and livelihood is secure once the knowledge is put to practice.

2.0 INTRODUCTION

The two days training was applied to the six vulnerable mangrove villages within the Tailevu and Rewa delta selected by the ITTO project. The first day of the training was conducted at Naivakacau village which consist of three villages are Naivakacau, Waicoka and Nasilai. Unfortunately Natila village participants were unable to attend due to village commitment. The village agreed to join Rewa province on the second day of training. However, the participants for Tailevu attended the one day training was total of forty five individuals selected on merit base. There are fifteen people representing from each villages. The Tailevu province training was opened by Executive Director Operation and services for the Ministry of Forestry and closed by the Director Operation Central and Eastern.

On the second day of training was conducted at Narocake Village under the provincial of Rewa which includes two villages Muanaia and Narocake. Natila village from Tailevu also joined the training be included for the project activity. The Senior Marine Officer of Conservation international officially opened the training and closed by Director Operation Central Eastern. There are approximately a total of twenty five participants attend the training for Rewa province.

The training also include the handing over of Nursery Materials for the six communities and the adaptation of the New version documented copy of the mangrove guideline presented by the two chief guests for Tailevu and Rewa province.

Stakeholders from various agency were invited and requested on the appropriate Activities play their role during the training. Conservation international was also part of this training to introduce in Itaukei language the component of the Mangrove guideline

The end of the training communities have are clear knowledge on the processes and procedures aligning from village level to Government system either up down approach or down up approach. This clear consensus build up the communities abilities to define Village action for disasters.

3.0 RESULTS :

3.1 ACTIVITY 1.1 *(Training workshop on "Community-based Management Guideline for Mangrove Rehabilitation and Restoration in Fiji" relative to the importance of mangroves; their rehabilitation, conservation and the roles of communities as managers for their long term sustainability)*

The new printed version of mangrove guideline was presented in itaikei language to the six communities by the conservation international based on the following points:

- The scope of the guideline
- The objective of the guideline
- Mandated governance infrastructure that protects mangroves by law
- The social economic aspects of mangrove describing its Value and threats.
- Community management structures and action plans
- Guide to restore mangrove Forest.
- Best practices and technical requirement for rehabilitation and restoration activities on Mangroves.

After the presentation, A group work activities for the participants to list processes and procedure aligning from the Village or Vanua structure to various government ministry on three scenarios occurred at the village.

Scenario 1-An illegal logging of Mangrove was caught on hand by a member of the community.

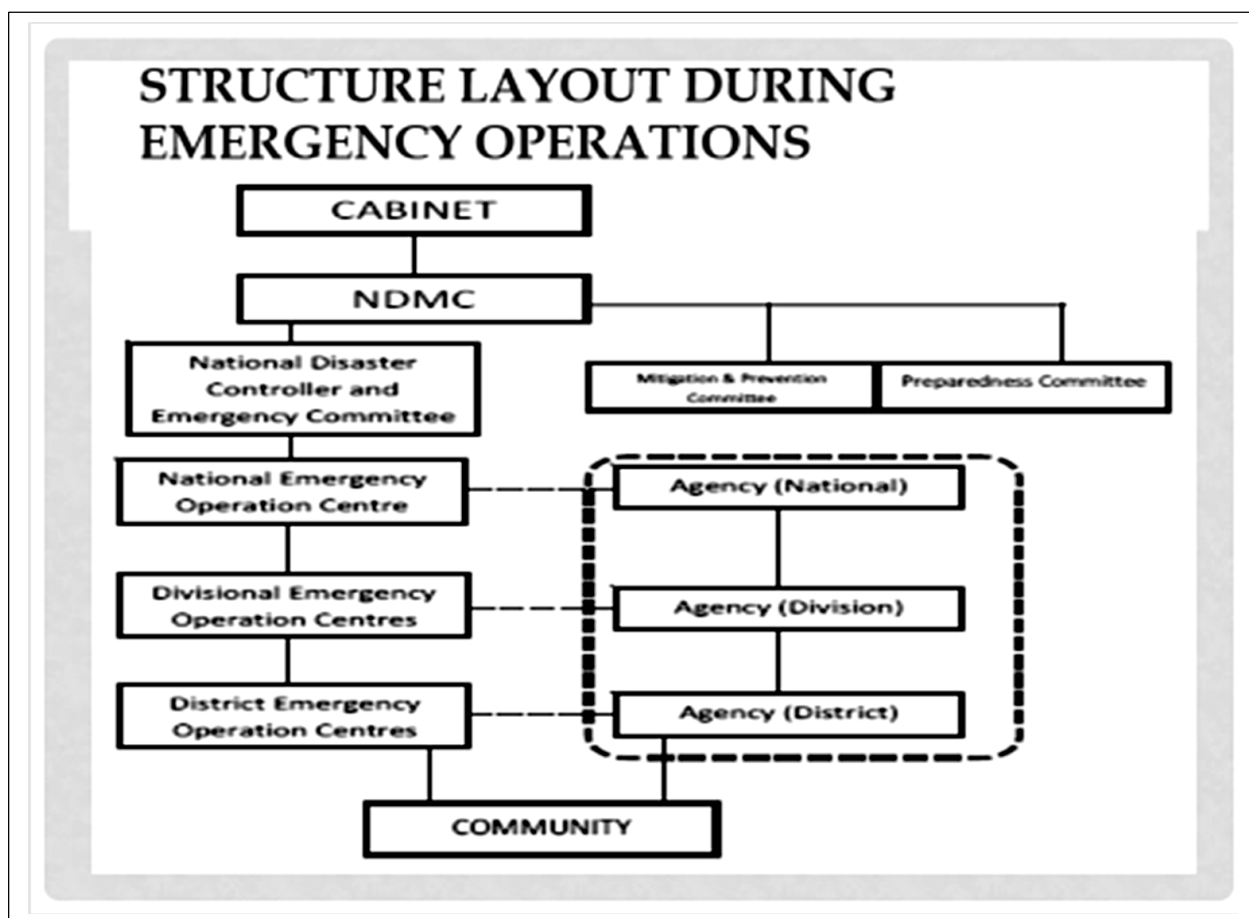
Scenario 2-A development is requested to the village to undertake within the mangrove ecosystems.

Scenario 3-A request from a member of the clan(Mataqali) to construct his house near the mangrove territory.

Participants were divided in three groups and presents their points and discuss their views at their level.

3.2 ACTIVITY 4.1: *Community training on natural disaster preparedness, disaster risk management and emergency response to climate change related disasters.*

The presentation was conducted by Provincial Administrator Tailevu and Rewa expressing the very key points of Natural disasters and different scenarios may occurs during the disasters There are structures been established by government to be followed accordingly once any disaster occurs.



The disaster Government action plan clearly clarify the line from cabinet down to community level under the National disaster Management act 1995 and 1998 with its mission is "*Building National Resilience to Disaster*".When comes down to district level,Special agencies are represented from National to Division exchanging informations with district level to determine the status of the community on any disaster may occurs.There are few things for communities must consider to prepare before any disaster occur:

- To understand different types of Disasters and where can be happen.
- Different types of strategies must be familiar to the members of community like community disaster pla,First aid,Village evacuation plan,Family emergency plan etc.

- Preparation focus area-e.g Housing method,Food source & farming method,First aid,Disaster action plan,Early warning, etc.
- Responsibility at District level-Cyclone disaster management committee.
- Family Disaster Emergency Kit.

3.3 ACTIVITY 4.3: *Training on ecosystem-based adaptation relating to forestry, water and agriculture by integrating traditional knowledge and skills on the conservation and sustainable use of natural resources to increase resilience and reduce vulnerability to natural hazards.*

This activity was presented by the ministry of Agriculture on the organic farming systems mostly practice in Fiji as a farming techniques and improve sustainability to confront disasters occurrence. This topic presented the following points:

- Types of Organic Manure
- Method of soil mixing on seed bed for short term crops-Vegetables
- Intercropping system.
- Crop rotation
- Backyard Garden and container home garden
- Agroforestry planting
- Traditional fragrance flower species as an insecticides.

The topic was discussed with the communities on what their practice on the ground and how to manage their food security source to overcome any disaster situation.

3.4 ACTIVITY 4.2: *Community Disaster Action Plan is established through relevant Government Agencies and NGOs to safeguard the lives of coastal communities.*

The training on Activity 4.1 and 4.3 is resulted to build a Community Disaster Plan for the six villages for its activity task addressing the followings:

- Prevention Measures
- Mitigation Measures
- Preparation Measures
- Respond Measures
- Recovering Measures

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DRAFT OF COMMUNITY DISASTER ACTION PLAN FOR THE SIX VILLAGES VULNERABLE MAGROVE SITES.

PREVENTION MEASURES	MITIGATION MEASURES	PREPARATION MEASURES	RESPOND MEASURES	RECOVERING MEASURES
<ol style="list-style-type: none"> 1. Method of erecting villages' house to withstand cyclone.E.g Direct Post house with Bolt joint and permanent strap and long post double storey. 2. Agriculture practice for Home garden for short term species. 3. Ensure First Aid Kit and First Aid certificate with a Village Nurse for a Village. 4. Establish Village Evacuation Centers. 5. Improve Village Drainage system. 6. Identify the risk and prevention measures before occurs. 8. Construct Village foot Path. 9. Clear of rubbish and debris along stream that may block Water flow. 10. Record number of houses and families before disaster occurs. 	<ol style="list-style-type: none"> 1. Reforestation and afforestation of mangrove areas, Inland mangrove, Native species, Food crops trees and fruits. 2. Practice agroforestry techniques on big gardens. 3. Raising of cattle on wet land to compact soil and reduce level of water table. 4. Compact river bank and plant trees along coastline and mangrove on front coast line. 5. Erect Sea walls in front of coast line. 6. Establish drainage line from kitchen front water tap to the stream. 7. Deepen drainage around the village perimeter to raise village platform. 	<ol style="list-style-type: none"> 1. Establish Village Disaster committee. 2. First Aid Kit and Special Village Nurse experts. 3. First Aid emergency response certificate to everyone. 4. Evacuation centers. 5.Evacuation Safe routes 6. Establish channel of command and communication line from community level to government. 7. Prepare disaster Kit on all needs and wants items. 8. Village Boat with engine motor and all necessary equipment and life guard OHS materials necessary for standby to disaster action if the situation is worse. 9. Secure crop seeds on safe place to be use after the disaster. 	<ol style="list-style-type: none"> 1. Establish communication line at community level. 2. Deliver warning to all village members. 3. Ensure time confirmation of evacuation to move. 4. Always provide a standby rescue and search boat for the village. 5. Provide immediate assistance to all relatives in need on first aid precaution. 6. Respond to immediate restoration required for everyone. 7. Update government line on the status of disaster and community need. 	<ol style="list-style-type: none"> 1. A set of chainsaws is necessary with all OHS materials for recovering measures be used for road clearing. 2. A set of carpentry tools be on standby for housing repairing at the first response before government assists. 3. First Kit with professional Aids to assist affected Evacuees. 4. Assessment of needs such as food, clothes and water by the village disasters committee and submit immediately once government response into the village. 5. Collect all damaged crops and utilize to recover loss. 6. Utilize secured crop seeds to recover food loss and sustain needs for start over.

3.5 ACTIVITY 2.1 *Community training on the collection of quality seedlings for indigenous mangrove species and nursery techniques for raising native mangrove species.*

This activity is a refresher training for all the communities which they have been practicing raising and managing the nursery of mangrove and other species from the past years since the beginning of the project. The presentation is much deeper for communities to understand that nursery and raising of seedling has many types depending on various perspective that we have for a common interest. Flying nursery is mainly for mahogany that raise on seedbed plot for easily growth species and ready for planting set for a timeline to deliver. The Semi-permanent nursery is one currently practiced with greenhouse cover with seedling bench tray. They are design to set with a number seedlings for commercial purposes and to be deliver at a required timeline. The Permanent Nursery are one that have a full set of all the required standard of nursery that can be sustainably operate for over a period of time following all the process from Seedbed, Soil mixing, transplanting to pot, Potting, availability of water source with required materials and delivering. Permanent Nursery is a standard construction of a nursery where all available processed area of raising seedling is available.

To have a standard Nursery must have a knowledge of understanding the process of raising seeds of many kinds and how to sow these seeds in order to germinate and grow into pot bags. Also the knowledge to select seeds from healthy seed trees and raise them to meet market demands and the sustainability of its growth to bear fruits. Healthy trees will grow on a certain areas that easily adapted to its micro climate and the soil. The seeds are healthy and will result on the quicker it germinate and the way it grows on pot bags.

There two known mangroves that have different soil structure to grow in are the coastal mangrove and inland mangrove. Native inland mangrove are also includes some of our endemic species such as Tavola, Vutu, Dabi, Vesi, Yaka, Dilo, Ivi, etc. Such Native species has the adaptation growth nature are known as halophytes that can live on salty coastal line areas. These species has the highest value of carbon sequestration from other endemic species in Fiji.

The team participant were taken to costal line areas to identify various Native species and also visit Nursery to understand the differences.

Other activities will continue once the new nursery is erected to continue on potting of mangroves species.

4.0 TRAINING FINANCIAL COSTS:

There are five activities focus on these training with a total costs of \$6805.20FJ. However, the expenses were based under the following items during the two days training:

- Transportation
- Boat Fuel costs
- Training Materials
- Catering
- Mangrove guideline printed copies

Other remaining activities such as seedlings collections and potting will be requested after the New nurseries are erected within the six communities. Also the documentation and printing of the new Disaster Action plan for the village under activity 4.2 will be confirmed after endorsed from the commissioner Central and Eastern office under the National Disaster Management Committee.

The conservation international will submit their invoice consultant cost for involving on the presentation mangrove guideline. Payment will be based on the project cost as agreed. Meanwhile nothing has been submitted for payment to be in progress.

5.0 LESSON LEARNT:

On these training there were many challenges being faced especially during its preparation and the way we communicate with the communities on the schedule time of the training:

- Natila village have cancelled their day on the training due to community dispute on the village status of leadership for the the Vanua and individual clans. Fortunately, we manage to allow them to join the Province of Rewa on the second Day.
- The unfavourable weather condition delays the training schedule to shift. Fortunately it gives us time to prepare well and ensure program is advanced in time to ensure program is covered completely at the end of the day.
- Our first approach for the training Venue was Waicoka. They cancel the program due to member of the village past away on the day of training. We reschedule the time and Venue confirming to conduct training at Naivakacau village because of the large space provided by their village Hall and can cater more than 60 participants.

6.0 CONCLUSION:

The completion of this two days training flips are new leaf of challenge to the communities of the six mangrove vulnerable sites for Tailevu and Rewa Delta is to strategies their village structure system and build resilience in securing their mangrove resource not only for their livelihood but also for future generation.

The Mangrove guideline will identify clear direction to build a robust structure system for the village for everyone to adhere and respect accordingly. Once they are adapted into the structure and the systems to follow, automatically the habit become to be a lifestyle and mind set is transformed to a new elevation.

This will also follows together with the Disaster action plans where everyone are programmed to follow instructions and identify the important of respecting the rules for the safety of all. The communities' individual mentality of control is automatically fixed and Sustainability will be a priority to every individual.

Monitoring and advice from ITTO agents and government experts is necessary to ensure knowledge and actions are bond together and practically displayed for everyone to learn and adhere to it.

7.0 APPENDIX 1:- Speech and Opening

Official Opening of the International Tropical timber organization mangrove guideline and disaster management training

Venue: Naivakacau Village Hall
2024

Date: Tuesday 16th -17th April

Training Participants
Government Officials,
Private Sector Representatives,
Civil society organizations,
Ladies and Gentlemen

Bula vinaka and Good morning.
I extend a warm welcome to you all.

It is indeed an honor for me to be the chief guest today to officially open the International Tropical timber Organization Mangrove Guideline and Disaster risk management training. Also to hand over the new set of nursery materials with the new mangrove guideline Document.
I would like to express my appreciation to all participants of the four communities of Tailevu selected by the ITTO project for your presence to this one day training. I also would like to share my gratitude to the International Tropical Timber organization of Japan for allowing such opportunity as this for the upgrading of knowledge to vulnerable mangrove communities and the supply of the new Nursery tools to the communities of Tailevu and Rewa.

Also our partners from special government agencies, private and civil society organizations. I thank you all for being here today to support this training.

The Phase two of the ITTO project has one of its output to implement this training in adapting the new version of mangrove guideline be understood by the communities and ensure that participants received benefit knowledge to manage and control the Conservation of mangrove environment in order to improve their livelihood. It also require communities to understand risk through disasters and set action plan to reduce risk level by sharing traditional skills in conjunction with modern knowledge through agriculture practices.

The ITTO project activities include the production of quality seedlings for indigenous mangroves and other species and the restoration of degraded mangrove forests through empowering communities to improve their livelihood. Also support other alternative livelihood on the construction and maintenance of village Evacuation centers, foot path for the vulnerable communities.

This training require your full attention and cooperation to improve your knowledge and elevate your experience to manage the conservation of mangrove resource through mitigation and improving carbon sequestration through standardizing your various communities social structure systems. This will able built resilient bond between your community, the government stakeholders and the mangrove environment as a whole.

I believe this statement lays the platform for your training today and hopefully that the end of this training, you will take something to your various communities and share with your friends and relatives your knowledge for the Sustainability of our Forest resource and the benefits of our livelihood.

Therefore, Participants with your presence in this workshop will further strengthen the collaborative partnership of relevant agencies to achieve intended outcomes of the Phase two ITTO Project. With that been said, I wish you well today and declare this training "OPEN"

Vinaka Vakalevu and God bless us all.



8.0 APPENDIX 2:- TWO DAYS PROGRAM



COMMUNITY-BASED MANAGEMENT GUIDELINE FOR MANGROVE REHABILITATION AND RESTORATION TRAINING IN TAILEVU –
NAIVAKACAU, NATILA, NASILAI, WAICOKA-60 Participants

DAY 1 PROGRAMME

VENUE: Naivakacau Village

DATE: 16th APRIL 2024

TIME	SESSION	ACTIVITY	NATIONAL EXPERTS
9:00AM-9:05AM	5mins	Morning Devotion-Prayer	
9:05-9:15AM	10mins	Sevusevu-Will made an advance Sevusevu on Monday 15 th to increase training timeline.	ITTO Project Officer
9:15AM-9:25AM	10mins	Welcome and Garlanding	
9:25-AM-9:45AM	20mins	Opening of One day Training by EDOS and handing over of nursery materials and Mangrove Guideline document	EDOS
9:45AM-10:00AM		GROUP PHOTOS & MORNING TEA	
10:00AM-10:15AM	15mins	Training introduction	ITTO Project Officer
10:15-10:45AM	30mins	Activity 1.1-Mangrove Management Guideline	CI
10:45AM-11:10AM	20mins	Group Discussion & Presentation- Governance Process & Mangrove restoration.	
11:10AM-11:45AM	35mins	Activity 4.1-Natural disaster preparedness, disaster risk management and emergency response to climate change related disasters	PA Tailevu
11:45AM-12:00AM	15mins	Group Discussion-Question and Answers	
12:00PM-12:35PM	35mins	Activity 4.3 Ecosystem-based adaptation by integrating traditional knowledge and skills on climate smart agriculture	Ministry of Agriculture
12:35AM-1:00PM	25mins	Activity 4.2-Group Discussion & Presentation- Disaster Action Plan and Materials plan	
1:00PM-2:00PM	1hr	LUNCH	
2:00PM-2:40PM	40mins	Activity 2.1-Collection of quality seedlings for indigenous mangrove species and nursery techniques for raising native mangrove species	Forestry Extension Team
2:50PM-3:45PM	1hr & 5 mins	Practical work and end of the program	ITTO
3:45PM-4:30PM	45mins	Closing of training by Director Central Eastern	
		AFTERNOON TEA	



COMMUNITY-BASED MANAGEMENT GUIDELINE FOR MANGROVE REHABILITATION AND RESTORATION TRAINING IN REWA –
Muanaira & Narocake-30 Participants

DAY 2 PROGRAMME

VENUE: Narocake Village

DATE: 17th APRIL 2024

TIME	SESSION	ACTIVITY	NATIONAL EXPERTS
9:00AM-9:05AM	5mins	Morning Devotion-Prayer	
9:05AM-9:15AM	10mins	Sevusevu- Sevusevu-Will made an advance Sevusevu on Monday 15 th to increase training timeline.	
9:15AM-9:25AM	10mins	Welcome and Garlanding	
9:25-AM-9:45AM	20mins	Opening of One day Training by Senior Marine Officer Conservation International and handover Nursery materials Mangrove guideline document.	EDOS
9:45AM-10:00AM		GROUP PHOTOS & MORNING TEA	
10:00AM-10:15AM	15mins	Training introduction	ITTO Project Officer
10:15-10:45AM	30mins	Activity 1.1-Mangrove Management Guideline	CI
10:45AM-11:10AM	20mins	Group Discussion & Presentation- Governance Process & Mangrove restoration	
11:10AM-11:45AM	35mins	Activity 4.1-Natural disaster preparedness, disaster risk management and emergency response to climate change related disasters	PA Rewa
11:45AM-12:00AM	15mins	Group Discussion-Question and Answers	
12:00PM-12:35PM	35mins	Activity 4.3 Ecosystem-based adaptation by integrating traditional knowledge and skills on climate smart agriculture	Ministry of Agriculture
12:35AM-1:00PM	25mins	Activity 4.2-Group Discussion & Presentation- Disaster Action Plan and Materials plan	
1:00PM-2:00PM	1hr	LUNCH	
2:00PM-2:40PM	40mins	Activity 2.1-Collection of quality seedlings for indigenous mangrove species and nursery techniques for raising native mangrove species	Forestry Extension Team
2:50PM-3:45PM	1hr & 5 mins	Practical work and end of the program	ITTO
3:45PM-4:30PM	45mins	Closing of training by Director Central Eastern	
		AFTERNOON TEA	



PHASE 2-ITTO PROJECT REPORT FOR REWA AND TAILEVU MANGROVE AREAS

9.0 APPENDIX 3:- ATTENDANCE REGISTER

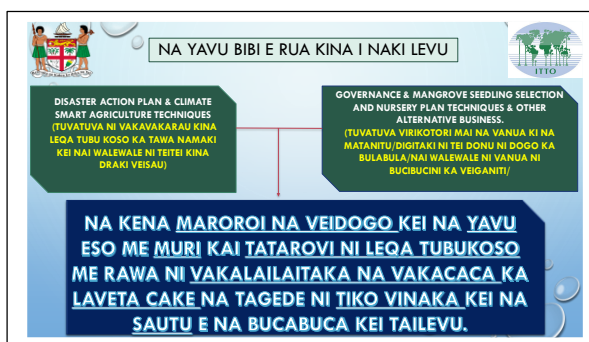
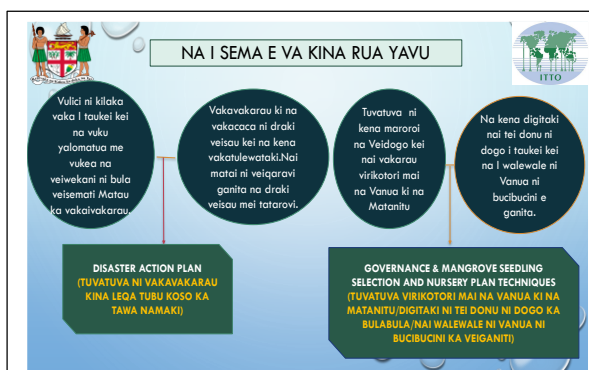
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DOB

DATE	NAME	VILLAGE	CONTACT	MALE/FEMALE
	ATEVOTE	NARVAKACH	8020090	MALE
	NOA		2960477	
16/04	NASONI - CHBEWARI	NARVAKACH	8606351	MALE
	Makereeta Villagad		2962490	F
	Mere Ganikali	✓	2118995	F

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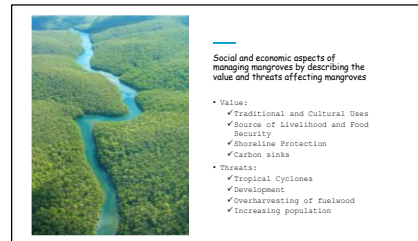
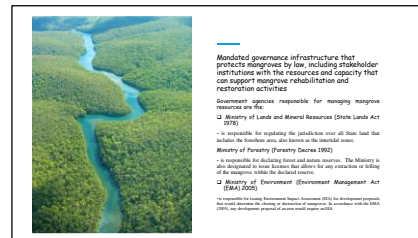
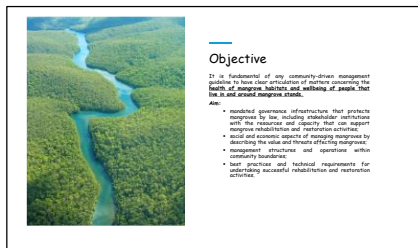
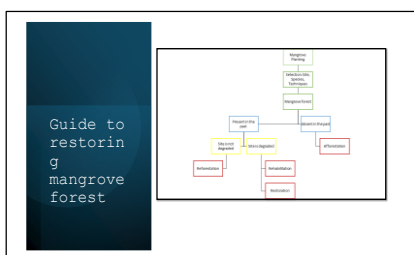
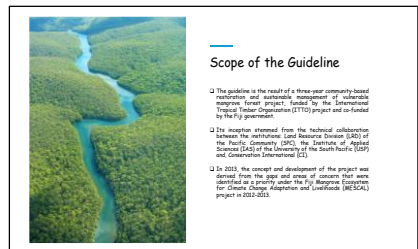
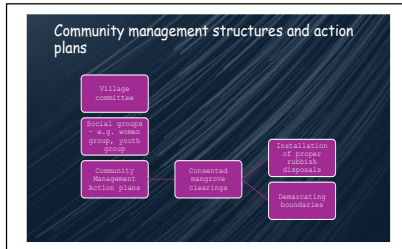
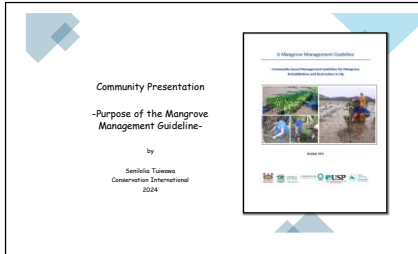
10.0 APPENDIX 4 PRESENTATION AND ACTIVITIES-INTRODUCTION



11.0 APPENDIX 5:-

PRESENTATION AND ACTIVITIES-MANGROVE

GUIDELINE



PRESENTATION AND ACTIVITIES-DISASTER RISK

100%

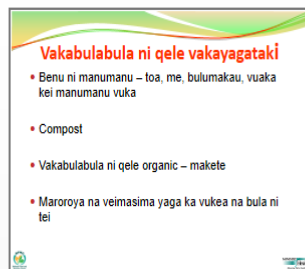
13.0 APPENDIX 7:- PRESENTATION AND ACTIVITIES- ECOSYSTEM-BASED ADAPTATION BY INTERGRATING TRADITIONAL KNOWLEDGE AND SKILLS ON CLIMATE SMART AGRICULTURE.



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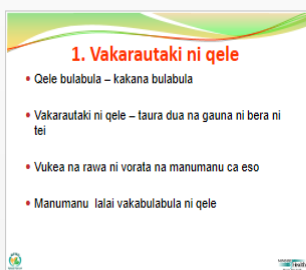
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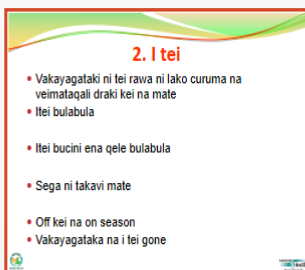
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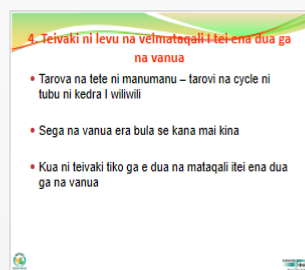
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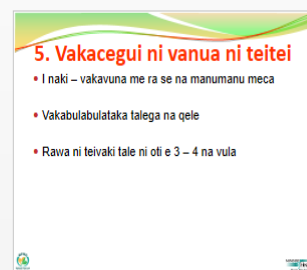
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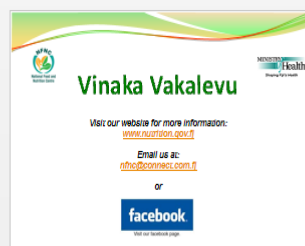
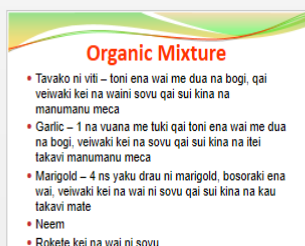
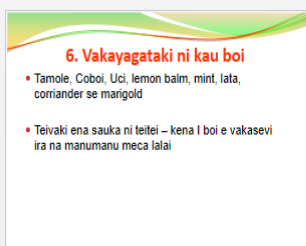
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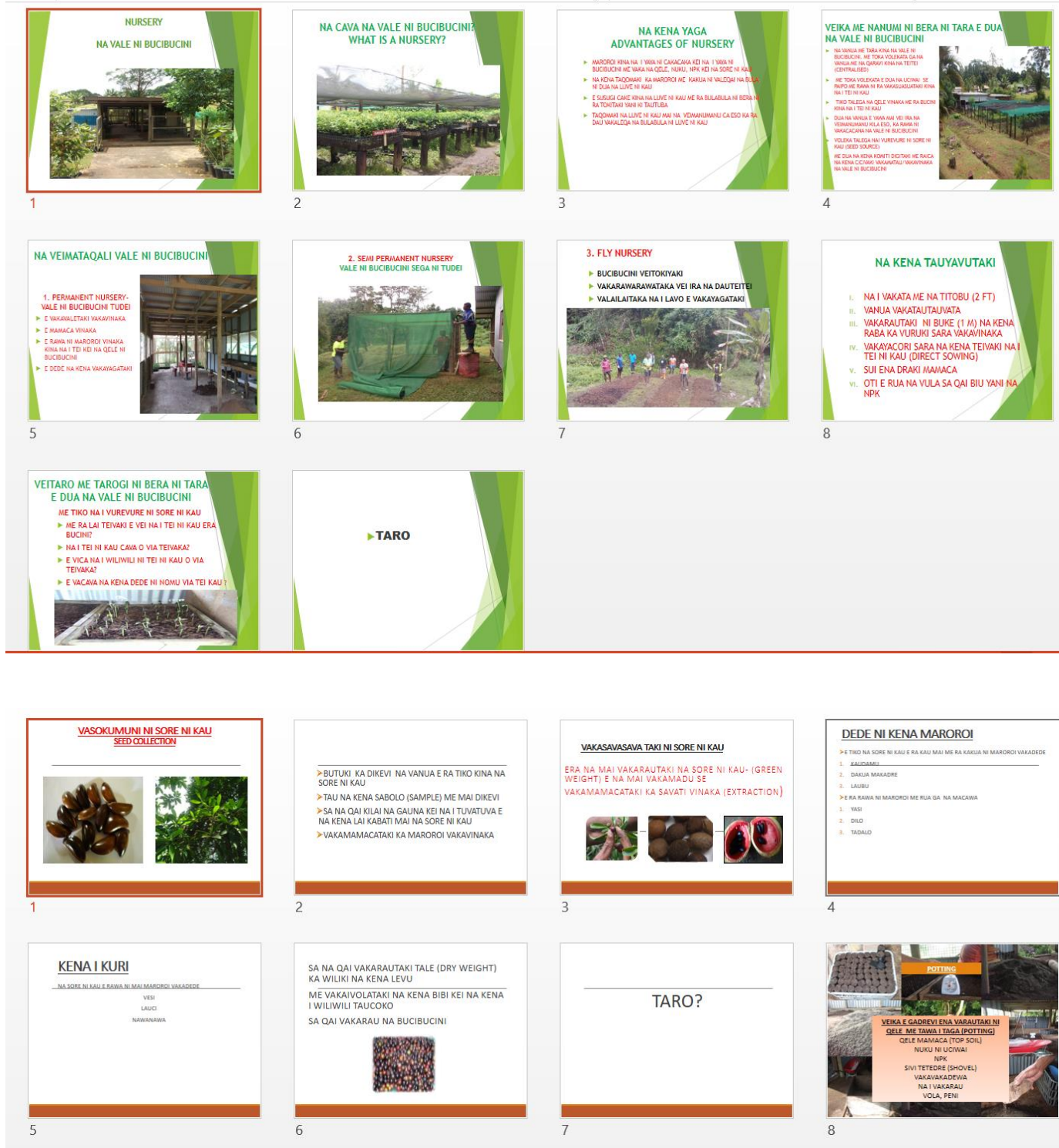
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14.0 APPENDIX 8:- PRESENTATION AND ACTIVITIES- COLLECTION OF QUALITY SEEDLINGS FOR INDEGENOUS MANGROVE SPECIES AND NURSERY TECHNIQUES FOR RAISING NATIVE MANGROVE SPECIES.



NA KENA TAKIVI MAI NA QELE

9

10

VAKADEWA TAKI NI QELE

VAKADEWATAKI NA QELE KEI NA NUKU

E VAKARAWARAWATAKA NA KENA TUBU NA LUVI NI KAU ENA LOMA NI TAGA

11



12

➤ ME VEIWKITAKI VAKAVINAKA NA QELE, NUKU KEI NA NPK

➤ E NA VAKARAWARAWATAKA NA BULA NI LUVI NI KAU ENA LOMA NI TAGA

➤ E VAKABULABULATAKA NA LUVI NI KAU ME YACOVA NA GAUNA ME LAKI TEIVAKI KINA

NA I VAKARAU NI QELE (SOIL MIX)

24 TUB (2000 LITERS)

4 NA NUKU (SHOVEL)

500 GRAM NPK- (NITROGEN PHOSPHOROUS POTASSIUM)

12 NA QELE (SHOVEL)

2 NA NUKU (SHOVEL)

250 GRAM NPK- (NITROGEN PHOSPHOROUS POTASSIUM)

50

6 Vokete - spade

4 Vokete - shovel

1 - Nuku (Shovel Sand)

25kg NPK




15



16

TAWA QELE ENA TAGA (POTTING)



17




18



19



20



Seed Box

A. DELE YUCA MAI NA VAKAVIARDI NI KAUIMILI MUJI, QELE LOMIA

B. TUKITAKI NI QELE LELEVU SE DEKEDERE

C. LAVALAVA (WIRE NETTING)



Watering

2x/day

1x/day

First week after germination

Later

Water in the evening

Water with fine nozzle

BUCIBUCINI ENA TAUDAKU NI VALE NI BUCIBUCINI

E RA BUCINI GA KINA NA SORE NI KAU E VAKARAU NA QUNA

ME VAKARAWARAWATAKA NA KAU NI SORE NI KAU KA LAERE ENA NIDORAU VERUJUNE NA CELA NI SIGA KEI NA TAU NI LACA

NA VESORE NI KAU KA RA BUCINI E TALUBA

➤SA

➤DLO

➤VAVANAVA

➤OMARU



TALACI NI LUVI NI KAU MAI NA TERE NI BUCIBUCINI KINA TAGA SA VAKARAUTAKI (TRANSPLANT)

VAKASUASUTAKI RANA NA TERE NI BUCIBUCINI

TALACI NA LUVI NI KAU E NA TAGA SA VAKARAUTAKI

VAKASUASUTAKI ENA MATAKA KEI NA VAKAVI

ME RAUTA NI RUA NA VUJA NA KENA DEDE

KA TONTAKI YAKI KINA SALONI (GREEN HOUSE) E VAKARAUTAKI E TALUBA




TOKITAKI NA LUVE NI KAU(POTTED)

TOKI TAKI NA LUVE NI KAU E TAUTUBA- (GREEN HOUSE)

TUVANI SARA VAKAMATAU ME RAWARAWA KINA NA KENA WILUKI

VAKASUASUATAKI ENA DRAKI MAMACA

VAKASAVASAVATAKI KA CAVUTI NA KENA CO (TENDING)

ME RAUTA NI TOLU NA VULA NA KENA DEDE

25

NA KENA LAKI TEIVAKI NA I TEI NI KAU BUCINI

SA NA VAKARAU NA I TEI NI KAU ME RA TEIVAKI

SA NA QAI WARAKI NA VEIVANUA E NANUMI ME LAKI TEIVAKI KINA

TU VAKARAU NAI VAKALESILESI E NA KENA BUTUKI KA VAKASALATAKI NA DAUTEITEI ENA I WALEWALE NI TEITEI KA NA VAKAYACORI

SA NA QAI LOKUCI NA SIGA ME NA LAKI QARAVI KINA NA TEITEI

26

CAVA NA NOMUNI RAI ENA VULI OQO (EVALUATION)

CAVA NOMU RAI ENA VUKU NI VULI OQO ?

O TAURA RAWA NA VEIKA E VAKAVULICI TIKO NIKUA

E MATATA VINAKA NA VEIKA E VAKAROGO TAKI YANI

CAVA TALE NA NOMUNI NANUMA ME VAKA VINAKATAKI KINA NA VULI

DUA NA TARO

VAKAMACALATAKI NA TEITEI ENA KENA I WALEWALE KA GANITA NA VANUA E TEIVAKI

VAKARAUTAKI NA VANUA NI TEITEI (POLLING)

TEIVAKI NA I TEI NI KAU

VAKASALATAKI NA DAUTEITEI ENA KENA MAROROI KA SAMAKI NA I TEI NI KAU ERA SA TEIVAKI

ENA LESUVI TALE MAI NA I TEITEI ME RAICI NA VEIKAU ERA BULA KEI IRA ERA MATE

NA KENA TUBU BULABULA NA VEIKAU E VAKATAUTAKI ENA NOMUNI QARAVA VAKAVINAKA NA I TAUKEI NI QELE

27

NA I VAKASALA

E VAKADINADINATAKI NI DAU QARAVI VINAKA NA VEIKAU KEVAKA E VAKAKOMITITAKI VAKAVINAKA

E NA GADREVI NA CAKACAKAVATA KEI NA VEILOMANI

NI SA QARAVI VAKAVINAKA NA NOMUNI VEIKAU SA I VUREVURE NI BULA VEI IRA ERA BULA E DAIDAI KEI NA NOMUNI KAWA NI MATAKA

SA VAKANUINUI NA MATANITU NI DA NA DUI QARAVA VINAKA SARA NA NODA I TAVI ME RAWA NI VAKATOROICAKETAKI KINA NA NODA VANUA

28



15.0 APPENDIX 9:- TRAINING FINANCIAL DETAILS

ACTIVITY COST ON PROJECT DOCUMENT	ACTUAL ACTIVITY DETAILS	BUDGET-FJ\$
<p>Activity 1.1: Training workshop on “Community-based Management Guideline for Mangrove Rehabilitation and Restoration in Fiji” relative to the importance of mangroves; their rehabilitation, conservation and the roles of communities as managers for their long term sustainability.-\$2470 US</p> <p>Activity 2.1: Community training on the collection of quality seedlings for indigenous mangrove species and nursery techniques for raising native mangrove species.-\$2890 US</p> <p>Activity 4.1: Community training on natural disaster preparedness, disaster risk management and emergency response to climate change related disasters.-\$1005 US</p> <p>Activity 4.2: Community Disaster Action Plan is established through relevant Government Agencies and NGOs to safeguard the lives of coastal communities-\$55 US</p> <p>Activity 4.3: Training on ecosystem-based adaptation relating to forestry, water and agriculture by integrating traditional knowledge and skills on the conservation and sustainable use of natural resources to increase Resilience and reduce vulnerability to natural hazards -\$955 US</p>	<p><u>TRAINING MATERIALS</u></p> <ul style="list-style-type: none"> Purchase Sevusevu, Garland and Stationaries for training participants. 	\$1051.20
	<p><u>TRANSPORTATION</u></p> <ul style="list-style-type: none"> Note that transportation by minibus through Timber Utilization Division and our Vehicle. Only fuel for Muanaira was purchased to transport across the Rewa River. 	\$320.00
	<p><u>MANGROVE GUIDELINE COPIES</u></p> <ul style="list-style-type: none"> 120 copies 	\$3224.00
	<p><u>CATERING</u></p>	
	<ul style="list-style-type: none"> Lunch & afternoon Tea-60 Participants and 20 Government staff & Ngo for Tailevu @ Naivakacau Village. 	\$1360.00
	Morning Tea -\$3.50/p	
	Lunch -\$10.00/p	
	Afternoon Tea-\$3.50/p	\$850.00
	<ul style="list-style-type: none"> Lunch & afternoon Tea- 30 Participants and 20 Government staff & Ngo for Rewa @ Narocake Village. 	
	Morning Tea -\$3.50/p	
	Lunch -\$10.00/p	
	Afternoon Tea -\$3.50/p	
TOTAL		\$6805.20 FJ \$2992.91US

PHASE 2-ITTO PROJECT REPORT FOR REWA AND TAILEVU MANGROVE AREAS

RECEIPT 07230
Date: 18/04/2024

Received from M **MINISTRY OF FORESTRY - ITTO**

the sum of **Five Hundred & Fifty** dollars

and **TURAGA NI KORO NAIVAKACAU VILLAGE** cents

Being for **CATERING FOR MANGROVE GUIDELINE**

Paid By: *[Signature]* With Thanks

\$ 850.00 Per *[Signature]*

1

RECEIPT 94
Date: 18/04/2024

Received from M **MINISTRY OF FORESTRY - ITTO**

the sum of **FOURTY** dollars

and **TURAGA NI KORO NAIVAKACAU VILLAGE** cents

Being for **CATERING FOR MANGROVE GUIDELINE**

Paid By: *[Signature]* With Thanks

\$ 40.00 Per *[Signature]*

2

RECEIPT 95
Date: 18/04/2024

Received from M **MINISTRY OF FORESTRY - ITTO**

the sum of **FOURTY** dollars

and **TURAGA NI KORO NAIVAKACAU VILLAGE** cents

Being for **CATERING FOR MANGROVE GUIDELINE**

Paid By: *[Signature]* With Thanks

\$ 40.00 Per *[Signature]*

3

RECEIPT 92
Date: 18/04/2024

Received from M **MINISTRY OF FORESTRY - ITTO**

the sum of **ONE THOUSAND AND THREE HUNDRED AND SIXTY** dollars

and **TURAGA NI KORO NAIVAKACAU VILLAGE** cents

Being for **CATERING EXPENSES ON MANGROVE GUIDELINE**

Paid By: *[Signature]* With Thanks

\$ 1,360.00 Per *[Signature]*

4

WIRSP IIIIBSP

APR 18, 24

11365233

[Signature]

5

Date	Particulars	Time	Total
11/04/2024	Salaries	\$	160.00
11/04/2024	Salaries	\$	80.00
11/04/2024	Catering	\$	1,360.00
11/04/2024	Catering	\$	80.00
	Total	\$	2,480.00

6

RAMS SUKI & KAVA DEALERS

Bought of **WAKA, LAWENA & SUKI**

YIN: 18-4565-0

TOTAL \$ 160.00 PLUS VAT

DECLARATION

[Signature]

[Signature]

8

Approved R- 26/3/24
Approved comment attached.

UP: CF- Request is supported as part of Project Activity.
EDOS
MF: supported to be sourced from ITTO
allocation: a/b: \$544k. 5000.
DCE 15.03.24

RE: REQUEST APPROVAL FOR ITTO PROJECT TWO DAYS TRAINING

Sir,

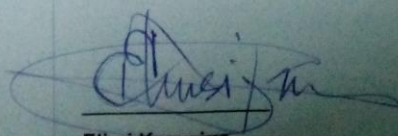
Please be informed that the ITTO project team with other National experts and Ngos will be conducting a two days training on Mangrove guideline, Disaster Management and Nursery establishment with seedling collection training for the ITTO Project for Rewa (Narocake & Muanaira) on 27th March 2024 and Tailevu (Natila, Waicoka, Nasilai, Naivakacau) on 28th March 2024.


Since that we have limited time for the project, I therefore kindly request a total budget of \$9,700 to implement and complete the five training activities for the two days.

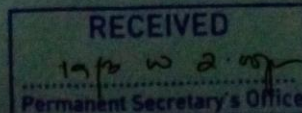
All particulars breakdown costs and training program are attached herewith.

Submit for your Perusal and approval

Vinaka.


Elimi Kurusiga
(ITTO Project Officer CE)







- Offset Printing • Digital Printing • Wide Format Printing • Commercial Packaging
- Envelope Manufacturing • Exercise Book Manufacturing • Mail House • Label Printing

Quote Ref: Q16463/2024

Date: 05/03/2024

**Ministry of Forests
ITTO Project
Suva**

Dear Buna,

Thank you for your enquiry and we have much pleasure in submitting the following estimate/quote.

Description: 76 page Mangrove Guideline printed on 115 gsm matt art paper, cover on 300 gsm gloss art board in full colour from your supplied artwork.

Size: A4 perfect bind, cover gloss laminated one side

Quantity: 120 copies for \$3224.00 vip

We hope that the above quote meets your approval and look forward to receiving your confirmation soon.

We shall also be glad to supply any further details you may require and assure you of the best in service and quality

Yours faithfully,

Davendra Singh
Estimator

PAYMENT VOUCHER

Form 2 G. P.

Ministry: Forests

Checked by : _____

Allocation: 1-32301-78999-840102-006-\$811.20

Passed for Payment : _____

Payee: JEDIS STATIONERY

Address: P.O.BOX 4251 SAMABULA

PAID VOUCHER:

Cheque/ EFT #:

Detailed Description of Service or Article	Amount \$	c
Friday, April 12, 2024 Being payment of P091021-004724 for the payment of ITTO project items as per attached details: Invoice N#: 500010753118 Dated: 11/04/2024 *Ref attached for more evidence/details	\$811	20
Total Amount Due:	\$811	20

Authority: _____ Dollars

*I certify that this claim amounting to _____ cents is correct, and was incurred under the Authority quoted.

and _____

Signed: _____

Date: _____

Title: _____

Received the sum of: _____

Signature of Receiver

Witness: _____

Date: _____

* This certificate must be completed and signed by the authorized office

