



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

ITTO VALIDATION INSPECTION REPORT

Activity 1.2: Conduct 6 Participatory Progress Assessments on the efficiency and productivity of existing alternative livelihoods to identify potential areas for upgrading to improve output and revenue.

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	: - March 2023(Planned)
DURATION OF THE PROJECT	: - 12 months

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1.0 SUMMARY

The Participatory progress assessment involved government key stakeholders who contribute and support various development established by the ITTO project. This development such as Piggery farming, Prawn farming, Mangrove nursery and other women project development are linked onto various government stakeholders to work and ensure all are implemented through the SDG 5(gender equality and empowerment of women).

The validation inspection was implemented to justify the progress of existing alternative livelihood development being established from phase one and to observe the efficiency and productivity impacts that affected the communities. Villages were visited individually and were gathered to interviewed key person (Turaga ni Koro) to explain the progress of the ITTO project and the positive and negative impacts affected them. Also, Communities were divided into groups and view their points on the project and how it can be improved. Individual representatives from various groups were presented to elaborate their views and ideas base on gender equality. The different views illustrate the ability of various gender experience on how they see the development and the standard required to elevate the current level.

2.0 INTRODUCTION

Participatory progress assessment is one of the important tool that validate the views of the communities through balance gender equality to allow individual ideas and abilities on how to contribute their knowledge towards the project developments sustainability. The Mangrove guideline impulse to advocate lifestyle and build adaption measures for communities to live a sustainable way on certain developments by securing mangrove areas through alternative livelihood.

All government ministry are also in collaborate with the purpose of the Mangrove guideline is to ensure that communities are in the same page with the vision and the mission required by the key stakeholders. However, the framework of the mangrove guideline support and simplify service delivery of government ministries in addressing climate change and sustainability. Therefore, individual communities are respected to raise their views through gender equality and expresses their own ideas on how can they improve to secure their mangrove plantation and build resilience for future generation. This report elucidate different gender views of the communities for the six villages on the various ITTO project implemented and analyses to determine gaps required for improvement and decision appropriate for each development. The report also open community's proposal planned ideas on their future development subject to the purpose of the ITTO project.

The deliberation with stakeholders and communities being led by the responsible provincial administrators for Tailevu and Rewa. After the presentation of Sevusevu and prayer, the turaga ni koro (Key Person) delivered his introduction to expound the establishment history of the ITTO projects at the village describing the challenges faced by the communities and the impact of sacrifice. After the Turaga ni Koro's explanation, the team were then divided into gender groups for men and women to share their views and ideas on the existing ITTO project development currently operating at the village. This also including other alternative livelihood suggested that might improve the security of mangrove forest and the sustainability of their lives.

Assessment form was designed for communities to answer their views on the progress of the existing project and the improvement required for such development

After theory discussion with the communities in groups, we took a transect walk around the village to observe all the ITTO development projects and the impacts with photo taken to ensure ground reality.

At the end our deliberation and transact walk, each groups were assigned for someone to presented their outcome of discussion and improvement required that will maintain the sustainability of the existing project.

The end of discussion for each village usually concluded by the ITTO project officer in encouraging the communities to ensure all project development must managed sustainably with evidence positive impacts to justify donors that ITTO development within the Rewa and Tailevu delta is improving lives and securing our mangrove plantation.

4.0 RESULTS

The outcome for each villages group discussion and presentations on the exisiting projects are described as follows:

NATILA VILLAGE

Men’s Group & Youth Group:-

DEVELOPMENT	STRENGTH	CHALLENGES	OPPORTUNITIES	THREAT
Prawn Farming	1. The Prawn farm is established near the main village access with good fence and solar light. 2. The pond is still filled with water and still available and ready to continue any prawn farming.	1. Outlet require to cover soil properly from the line fence to avoid water flow into the pond during high tide. 2. The deeper of the pond affected the prawn to lost air when water in the pond stand still during hot days. 3. Miscommunication between fisheries and the communities at Natila on the delivering of prawn and the feeding time. Unavailability of air circulation in the pond. 4. Lack of communication in between fisheries and communities. 5. Lack of Wisdom and knowledge for the communities.	1. Engage ministry of Fisheries to observe the pond and update certain opportunities that might improve prawn business for the project. 2. Provision of peddle wheel to create air in the pond. 3. Load soil on the side fence near the coastal line to avoid water flows into the pond during high tide.	1. Water during high tide. The pond is located near the coastal line.
Nursery	1. The provided nursery has serving the communities from the past years	1. The nursery is to small and only can contain a few seedlings for small business.	1. Proper planning and communication is required regularly with Forestry for the	1. Unsustainability of the market can affect community’s interest on the nursery.

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	<p>.Communities have been planting native trees and fruits at the village with support of this nursery.</p>	<p>2. Market of seedlings is not available all the time. 3. Water source is not viable. Mainly rely on rainwater. However, water source will require a meter from Water authority. 4. No tank available for the nursery including other nursery equipment. 5.Pond covered with grass and required cleaning</p>	<p>market and species demand. 2. Nursery requires extension of greenhouse and structure to improve seedling growth and numbers. 3. Seedlings can be transferred to ground while market is delayed. This will allow continuous growing of the seedlings and ensure maintain its health. 4. Forestry training on mangrove sowing and potting.</p>	<p>2. Land availability</p>
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Womens Group:-

DEVELOPMENT	Women’s Group Remarks
Prawn Farm	<ul style="list-style-type: none"> ▪ The Women’s Group informed the officers if a dedicated Project Officer can be there with them during the Project Implementation until it is successful and independent. ▪ If a Prawn Farm Process Flow Chat and IEC Material can be printed and to be posted on their Community Hall. ▪ If Business Tips, Bookkeeping and Marketing Training can be done to the Committee Members and community members. ▪ Water Tanks are not connected to the Project Site.
Nursery Farm	<ul style="list-style-type: none"> ▪ Need clarification on the Objectives of the Nursery Farm. ▪ Tender Process for the purchasing of plants to be well informed by the Depart of Forestry.

Turaga ni Koro history statement:

DEVELOPMENT	HISTORY	PROGRESS/IMPACT/CHALLENGES	RECOMMENDATION
Prawn farming	<p>1.In 2020 approximately 20,000 prawn was raised in the pond and unfortunately all died because the fisheries team have confirmed that not much air circulated inside the pond in case to the depth of the pond to deep to attatract air.Another 10,000 were also tested in 2021 and the same case affected the prawn.The project is now managed by the womens wheras fish tilapia have been living in the pond to wait for fisheries visit and clear the pond before start over.</p>	<p>1. From 2020 untill today,No progress impact has been recognized on prawn farming due to the accidental death of the prawn. Before harvesting the prawn,100% of them were all died due to lack of air circulation affected their habitat and cause death.</p> <p>2.There is a lot of miscommunication in between the Ministries of fisheries and the communities resulted in the death of the prawns.</p>	<p>1.Request for another training on prawn farming system especially on the seawater and freshwater mixed prawn.More steps is needed to understand phases by phases in order to avoid accidental death of the prawn before harvesting.</p> <p>2.Ministry of Fisheries to visit the communities and the pond and to discuss improvement required to sustain Prawn farming business for Natila village.</p>
Plant Nursery	<p>1.In 2020 Raising of seedlings at the nursery have impact the village now with fruit trees and tree crops such breadfruit as a source of livehood to the people.</p> <p>2.The nursery now a source of income supported by the ministry of Forestry through RDF project to bought seedlings and improve livelihood for sometimes.</p> <p>3.The current status,No other support from the ministry of Forestry as now the nursery is left unattended and seedlings are dying on the bay because of no one to buy.</p>	<p>1.The nursery structure is still all in good condition with green house and also the seedling bay.</p> <p>2.The buying of seedling has stopped and depends on the time RDF budget is available.</p> <p>3.More communication must encourage between Ministry of Forestry for seedling market arrangement with RDF project and Ngos.</p>	<p>1.Encourage communication with forestry to set species demanded for potting with timeline and set RDF and Ngo to buy seedling from our nursery.</p> <p>2.Extension of nursery to improve high demand and high benefits for livehood.</p> <p>3.Request water tank and floater.</p> <p>4.Engauge water athority for a water meter and pipe connection.</p> <p>5.Request for other nursery materials like hose pipe wheelbarrow etc.</p> <p>6.Request for mangrove nursery training.</p>

NAIVAKACAU VILLAGE

Men's Group & Youth Group:-

DEVELOPMENT	STRENGTH	CHALLENGES	OPPORTUNITIES	THREAT
Prawn Farming	<ol style="list-style-type: none"> 1. Last harvest in 2021 with stock of 10,000.They captured about \$4,000.Bank balance of \$2000 remain. 2. All structures fence and pond with flood light in good condition. 	<ol style="list-style-type: none"> 1. Pond covered with grass and required cleaning with brush cutter. 2. Outlet drain need to extend and clear water from outside to avoid flowing back into the pond. 3.Pond need to clear out all water and other fish Tilapia being captured within to secure life of the prawn before starting over. 	<ol style="list-style-type: none"> 1. Village brush cutter to clean side pond. 2. Long term plan to clear outside drain and let water surface flow. 3. Extend outlet pipe to certain distance to avoid water flow back into the pond. Seek an expert from Water Authority. 4. Clear pond and refill with the presence of ministry of Fisheries. 	<ol style="list-style-type: none"> 1.Land elevation is below sea-level 2. Fish and crab is a threat to prawn 3. No circulation of air in the pond can affect prawn lives. 4. Weedicide is also a big threat especially used by farmers. 5. Communities differences on the project may affect the business when it does not addressed properly to them.
Nursery	<ol style="list-style-type: none"> 1. New nursery established. 2.Stocked with mangrove tiri 3. Youth groups are managing markets and nursery. 	<ol style="list-style-type: none"> 1. Sustainability of the mangrove seedling market. 2. Unavailability of land to plant mangrove. 3. Nursery is not enough to contain large scale business. 	<ol style="list-style-type: none"> 1. Forestry team through RDF projects and other available NGOs to provide seedling market for the community. 2. Extension of nursery to provide large scale business target and allow other available mangrove market. 3. Forestry training on mangrove sowing and potting. 	<ol style="list-style-type: none"> 1. Not enough land to plant trees. 2. Land elevation is below sea level.

Women groups:-

DEVELOPMENT	VILLAGE	Women's Group Remarks
Prawn Farm	Naivakacau	<ul style="list-style-type: none"> • The Women's Group have requested if prawn farming training can be done to the whole Women's group, Youth Club and all Men in case one is absent or withdraw as a Caretaker, the replacement is well versed on the Prawn Farming Processes.
Nursery Farm	Naivakacau	<ul style="list-style-type: none"> • The Nursery Farm Frame (Timber) has been given to the Youth Club. • The need of a dedicated working committee in the village to look after this project.

Turaga ni Koro history statement:

DEVELOPMENT	HISTORY	PROGRESS/IMPACT/CHALLENGES	RECOMMENDATION
Prawn farming	<p>1.The prawn farming has been a source of income to the communities at Naivakacau from the past years and have raised \$4,000.00.The farm never succeeded well due to some of the problem faced by the prawn caused them to die accidently without our knowledge.Fisheries department have confirmed that lack of air may affect the prawn's lives.</p> <p>2.Currently the Pond is still fill with water without prawns but other fish species(Tilapia) are now available in the pond.</p>	<p>1.The community have raised \$4,000.00 for the first harvest and still need more improvement on the pond outlet drange system and the safety of the prawn in their habitat.</p>	<p>1.Ministry of Fisheries and Waterways to verify the pond outlet and determine drainage system to clearwater and dry the porn.</p> <p>2.Ministry of Fisheries to verify and identify best method to provide peddle wheel for water circulation in the porn.This can allow prawn to adapt into their environment.</p>
Plant Nursery	<p>1.The nursery was transferred from one location and rebult near the main ending access of the village.</p>	<p>1. Mangrove(Tiri) stocked at the nursery approximately 500 seedlings available being sold as arranged by youth group.</p>	<p>1.ministry of Forestry to provide seedling markets in order to sustain nursery business.</p> <p>2.Extension of nursery is neccesary to</p>

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		2. Womens and youth groups have shown interest to manage the village nursery.	improve nursery business for big scale. 3. Request Forestry to introduce Black mangrove planting.
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WAICOKA VILLAGE

DEVELOPMENT	STRENGTH	CHALLENGES	OPPORTUNITIES	THREAT
Prawn Farming	1. Prawn farm pond structure are all constructed in good condition located near the village with fence and flood light stand.	1. Outlet at a high elevation that does not allow water to completely drain out. 2. Generator pump not working well to change water from the pond result in dying of prawn. 3. Miscommunication with ministry of Fisheries. 4. Prawn dying in the pond. 5. No timetable phase to identify feeding time.	1. Fisheries experts to verify root course and identify best options. 2. Resource owners to look for best option in providing the new generator pump. 3, Resource owners to look for Peddle wheel in allowing air circulation in the pond.	1. Negative attitude and miscommunication between community member’s results in the spillage of oil into the pond. 2. Effective of sunlight may sometimes can destroy the prawn if does not considered properly.
Nursery	1. Nursery structure in good condition and located near the main village access. 2. Water tank is available located near the nursery.	1. No seedling available at the nursery. 2. No water source. Community are relying to Water authority illegally without proper request of water meter. 3. No available seedling markets. 4. Seedlings died in the nursery while on the tray.	1. Liase with team Forestry on the market through RDF 2. Request water source from Water authority with meter box and connection. 4. Extension of nursery to improve large scale business with NGOs and RDF project. 5. Forestry training on mangrove sowing and potting.	1. Land availability for reforestation. 2. Available land have high water table.

Men’s Group:

DEVELOPMENT	Women’s Group Remarks
Prawn Farm	<ul style="list-style-type: none"> ▪ Need to establish a Monitoring and Evaluation Team (same as the Validation Team) to Monitor the work done by the Project Officer. ▪ Back to Office Report of the Project Officer should be well monitored by the Monitoring Team after each visitation to the Project6 Site.
Nursery Farm	<ul style="list-style-type: none"> ▪ Awareness on what trees to be planted at the Nursery Farm and the purpose of the project.

Turaga ni Koro statement:-

DEVELOPMENT	HISTORY	PROGRESS/IMPACT/CHALLENGES	RECOMMENDATION
Prawn farming	1.The Prawn farm was esblished in 2020 with 20,000 prawn raised.Most of the prawn died.Only \$1000 was recovered from the farm due to oil spillage by an unidentified person.	1.Achievement of \$1000 income from prawn farming. 2.One of the challenge is the people’s negative perception towards the project that built up jealousy spirit and the differences.	1.Fisheries to inspect the pond and aldvice on the step precaution be taken for maintenance and refill for new installment.
Plant Nursery	The plant nursery was established since the beginning of the ITTO project.Most of the impact of seedlings being	1.Most of the seedlings are planted at the village especially fruit trees and tree crops such as breadfruits.	1. . Water athority to inspect and provide water meter and water tanks for nursery and other tank materials.

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	planted near coastal line and fruit trees at the village.	1. One of the challenges is the seedling market and water source.	2. Forestry to provide sustainable market for seedling.
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NASILAI VILLAGE

Men's Group:

DEVELOPMENT	STRENGTH	CHALLENGES	OPPORTUNITIES	THREAT
Piggery Farming	<ol style="list-style-type: none"> 1. Piggery is constructed properly with concrete floor and well covered with metal roofing iron through wooden structure. 2. Stocked with a pregnant female sows or gilt expecting piglets for a few weeks. 3. There are six rooms with access in between. Enough to raise good number of pigs for business and consumption. 	<ol style="list-style-type: none"> 1. No fence to secure pigs moving from places to secure damaging of farms especially for piglets. 2. Main access to the piggery is not viable to four wheel vehicle. 3. Position of piggery cannot access much to sunlight. 4. The Pan need modification to allow biogas system connected for further development. 5. No actual water meter. Mostly rely on rainy water. 6. No available water tank. 	<ol style="list-style-type: none"> 1. RO to apply agriculture for fencing purposes. 2. PA to liaise with community on the access to the piggery 3. Agriculture to inspect and find other alternatives methods to modify the Piggery pan for biogas system. 4. Request water meter to Water Authority for standard water source. 	<ol style="list-style-type: none"> 1. Area is prone to flood.
Nursery	<ol style="list-style-type: none"> 1. Nursery structure is all in good condition and part of greenhouse still covering the whole nursery. 2. Most of the fruit trees and crops raised on the nursery are witnessed planted and have been growing and also fruiting at the village like 	<ol style="list-style-type: none"> 1. No standard water source 2. No water tank with floater 3. Seedlings are died in the nursery bed and are not attended. 4. Seedling market is not available and depends on the time needed. No sustainable demanded to flow business 	<ol style="list-style-type: none"> 1. Request water meter to Water Authority for a standard water source. 2. Forestry training on mangrove sowing and potting. 3. 	<ol style="list-style-type: none"> 1. Area is prone to flood.

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	breadfruit, sandalwood, pear Avocado and Soursoup.	as usual.		
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Women’s group:-

DEVELOPMENT	Women’s Group Remarks
Piggery Farm	<ul style="list-style-type: none"> Need to have livestock farm training to enlighten and upgrade the Committee Members knowledge on implementing this project.
Nursery Farm	<ul style="list-style-type: none"> Need to supply more fruit trees to them.

Turaga ni koro’s history statement:-

DEVELOPMENT	HISTORY	PROGRESS/IMPACT/CHALLENGES	RECOMMENDATION
Piggery farming	The piggery was established by the ITTO project with few number of pigs.Currently the pan is left with a pregnant sow expecting to retain back the pan by the born piglets.Six rooms available for the new stock.Three pigs were sold and we got \$1500.\$1000 was used to buy feedings for the pigs and the balance is still in the bank.	<ol style="list-style-type: none"> 1.Stocked with a pregnant sow and expecting to birth with piglets. 2.Desing of the pan required to be modified by the ministry of agriculture pan Koronivia to include biogas outlet to cogester box. 3.Problem with water source. 	<ol style="list-style-type: none"> 1.Request for Biogas training. 2.Agriculture to inspect the pan and decide best option. 3.Request for the farm to be fenced. 4.Request to liase water authority for meter water source. 5.PA Tailevu to assist construction of minor Access to the piggery farm to ease the deliver of feed.
Plant Nursery	1.The nursery is established with good structure and and green house are still attached without torn.	<ol style="list-style-type: none"> 1.Seedlings are all died and nursery is left unattended. 2.The location surround is clean and tidy but the inside nursery are all grown with grass. 	<ol style="list-style-type: none"> 1.Liase with housing athority for a water source with all material provided such as meter,Tank.Floater etc. 2.Forestry to provide seedling market. 3.Forestry to extend and provide other nursery material such as potting bags

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			etc.
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NAROCAKE VILLAGE

Men's Group:

DEVELOPMENT	STRENGTH	CHALLENGES	OPPORTUNITIES	THREAT
Prawn Farming	1. All parts of the prawn farming are secure with fence and flood light. 2. Initial stock was 10,000 Prawn but unfortunately became to die before one day to harvest. An unidentified person throw chemicals in the pond that kills all the prawns.	1. Negative perception of people results in the destroying of the life of prawn. 2. Outlet level is high and required to change position at the lower part of the pond. 4. Water pump not working 5. Pond have lack of air circulation.	1. Training 2. Change lower part of the pond and change position of outlet. 3. Fisheries to inspect and identify important material required.	1. Area prone to flood. 2. Difference between resource owners can disturb the business and end unsuccessfully if not well considered.
Nursery	1. Structure all in good condition but some are slowly rotting. Greenhouse is slowly thin affected by sunlight. 2. Bay still stand with mesh wire.	1. Nursery inside is overgrown. 2. Structure part are slowly affected by sun. 3. Door hinge is one side fall. 4. Nursery is unattended due to lack of water supply and seedling market not available.	1. Forestry to observe status of nursery, Water source and arrange market source to sustain business. 2. Water Authority to inspect and identify assistance to construct water meter.	1. Prone to flood areas. 2. Land is below sea level with high water table.

Women’s Group:

DEVELOPMENT	VILLAGE	Women’s Group Remarks
Prawn Farm	Narocake	<ul style="list-style-type: none"> ▪ Need a dedicated caretaker of the Project. ▪ Requesting for smooth transition of a Caretaker.
		<ul style="list-style-type: none"> ▪ Frequently breakdown of generator (water supply) to the project site.
Nursery Farm	Narocake	<ul style="list-style-type: none"> ▪ Need to register with Department of Forestry for the Tender of Purchasing of Plants.

Turaga ni koro’s history statement:-

DEVELOPMENT	HISTORY	PROGRESS/IMPACT/CHALLENGES	RECOMMENDATION
Prawn farming	1.Established by ITTO since 2020.Every progress of work was achieved until the last week of harvest.An unidentified person spill chemicals into pond and kills all the prawn species.	1.The pond is still available but the big threat is the people’s perspective towards the project.	1.Fisheries to clear the pond and restocked the prawn again. 2.Training on prawn farming business and bussiness plan. 3.Discuss with fisheries on issues to improve service.
Plant Nursery	1.The nursery has raised a lot of tree crops,fruits and native inland mangrove that has been planted in the village at the beginning of the project. 2.When comes to raise seedlings for market,No market was available,so	1.Trees was raised in the nursery have grown as source of livelihood to the people. 2.The sustainability of the business is a big challenge on the seedliong market and water supply.	1.The nursery need water source meter,Pipe,Tank and floater from Water authority. 2.Forestry sustain market for seedlings.

	most us have looses interest till today.		
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MUANA-I-RA VILLAGE

Men’s Group and Turaga ni Koro:

DEVELOPMENT	HISTORY	PROGRESS/IMPACT/CHALLENGES	RECOMMENDATION
Bee Keeping farming	1.The was established since 2020.After the first harvesting,There was no other attempt by the ITTO team to facilitate the sustainability of the farm.Now the Bee hive are over grown with no appropriate management.The two youth attend the Bee training have left for NEC work opportunities to Australia.	1.No progress so far.ITTO team and agriculture to visit and clarify a way forward.	1.Request Forestry and Agriculture to visit the site and determine a way forward. 2.Request for training
Nursery	1.We experience since the first esblishment of the nursery.Some trees raised from the nursery are now planted around the coastal inland site and around the village.No other attemp to the nursery today as the structure of the shed and inside are slowly rooting out.All seedlings have died without available market to buy.	1.No regular visit from Forestry and nursery is left unattended.	1.A new nursery is recommended. 2.A permanant water is necessary for a nursery with all material like tank,floater,Pipe etc. 3.Forestry to arrange sustainablle market.
Farming Oyester	1.Fully supported by the ministry of Fisheries and Production are now ready for market.FAO and SPC are also part of the support.Communities are now hand in hand with Women’s committee are currently now managing the Farm.	1.Regular visit from team fisheries and currently production is ready for Market.	1.Fuel for transportation 2.weekly workplan 3.House to construct near the site.

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Women’s Group:

DEVELOPMENT	STRENGTH	CHALLENGES	OPPORTUNITIES	THREAT
Bee Keeping farming	<ol style="list-style-type: none"> 1. Approximately 40 box was given by ITTO and still out there with the bee. The remaining box are kept in the Village hall. 2. Other additional tool are still at the village hall. 3. Agriculture to inspect to arrange for harvesting. 	<ol style="list-style-type: none"> 1. Bee location is near the school and farm areas. Fire is a big challenges. 2. Bee hive is overgrown without a fence. Animal can bump one of the box if not careful considered. 3. No visit from ITTO team and agriculture from the past years. 	<ol style="list-style-type: none"> 1. Relocate the bee farm to an isolated area. 2. Agriculture ministry to visit and design ways to implement the farm. 3. Training is heavily needed for Bee farming and business management. 4. Regular monitoring by IITO team. 5. Fencing is appropriate. 	<ol style="list-style-type: none"> 1. Fire 2. Farming animals and People nearby. 3, Prone to flood area.
Nursery	<ol style="list-style-type: none"> 1. The green house still not badly torn and bay mesh wire are still remain at the nursery. 	<ol style="list-style-type: none"> 1. No regularly visit from Forestry and ITTO. 2. Nursery structure is slowly rotting with the seedling bay. 3. No available seedling market. 4. No permanent water source. 5. Seedlings cannot rest on the ground due to sea water infection to the seedlings. 	<ol style="list-style-type: none"> 1. Water authority to provide water source and other materials. 2. Forestry to look for market and regular visit. 3. New nursery is necessary. 	<ol style="list-style-type: none"> 1. Sea water during high tide. Prone to flood area. 2. Village distance and transportation.
Oyster Farming	<ol style="list-style-type: none"> 1, Currently 43 basket are ready for market. 2. The last harvesting, women group have earned \$2000 are now at the bank. 	<ol style="list-style-type: none"> 1 Transportation fuel for workers. 2. Sometimes the river is dirty gives difficult to manage the production. 3. Villagers nearby usually came to attend fishing near the farm. 4. Very dangerous for ladies 	<ol style="list-style-type: none"> 1. PA Rewa to arrange Communication Tower for the village. 2. Involvement of man is very important to this project. 3. Fisheries to arrange for work plan to involve cost and village output for a week. 	<ol style="list-style-type: none"> 1. Disaster-Climate change 2. Sewerage system outlet near the site. 3. Distance from the village.

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		especially during high tide when using hand to search oyster especially in case of dangerous fish that can bite. A lady at the village was bitten by an unknown fish results to loss of blood and died last week, 5. Lack of communication.	5. Fisheries to arrange a small house for team to rest near the oyster farm.	
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The different groups and the ideas with views and issues being discussed amongst the villages clarifies their doubts and we also observe the different characters of the people and groups on how they expresses views on the existing projects. The discussions and interviews made within various groups have indicated the level required for the communities to be improved on the project itself. Understanding the various needs and seems that government agencies has a very important role to participate and regular visit with awareness in order for the project to sustain and maintain its standard. Assesment methodology used have capture every detail of the project implementation and where can we improve to sustain the mangrove rehabilitation within the Tailevu and Rewa Delta.

5.0 ANALYSIS:

The result of assessment from each villages are now captured in table format and analyzed the different issues being raised during the visit. As from the result above, assessment was consolidated through Gender equality to determine the different views from each groups. Men are usually expresses their view in a general formats on the project. The ladies dig much deeper on details to address the key problem and the solution required. Results are now analyzed and determined improvement vital for each villages for the existing projects.

IMPROVEMENT REQUIRED FOR THE EXISTING PROJECT

PROJECTS	NATILA	NAIVAKACAU	WAICOKA	NASILAI	NAROCAKE	MUANAIRA
PRAWN	1. Packing of soil on the coastal line fence outlet of the pond to avoid erosion. 2. Cleaning of grass at the pond site and drain out water to clean dry the pond by Fisheries team to avoid interference from any other species. 3. The pond must have a	1. Fisheries to identify method systems to modify water outlet to lower elevation in order to dry the pond. 2. Fisheries to identify system through waterways department to extend outlet pipe to certain distance to avoid water flow back into the pond. Seek an	1. Fisheries to identify method systems to modify water outlet to lower elevation in order to dry the pond. 2. Cleaning of grass at the pond site and drain out water to clean dry the pond by Fisheries team to avoid interference from any other species. 3. A new peddle wheel is necessary for the		1. Fisheries to identify method systems to modify water outlet to lower elevation in order to dry the pond. 2. Cleaning of grass at the pond site and drain out water to clean dry the pond by Fisheries team to avoid interference from any other species. 3. The pond must have a new Peddle wheel to	

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	<p>new Peddle wheel to circulate air in the pond. 3. Add new prawn stock with available feed. 4. Provide a notice board to show feeding phase, timetable for feeding time. 5. Fisheries to provide refresher training of prawn farming and business management as requested. 6. Regular monitoring and participation is highly needed for the ministry of Fisheries to community despite of the project development is one of the critical species that require research, experience and knowledgeable</p>	<p>expert from Water Authority. 3.Cleaning of grass at the pond site and drain out water to clean dry the pond by Fisheries team to avoid interference from any other species. 4. A new peddle wheel is necessary for the pond to circulate air to keep prawn alive. 5. Add new prawn stock with feed by Fisheries team. 6. Provide a notice board to detail feeding timeline and phase. 7. Fisheries to provide refresher training on prawn farming and business management. 8. .Regular</p>	<p>pond to circulate air to keep prawn alive. 4. Add new prawn stock with available feed. 5. Provide a notice board to show feeding phase, timetable for feeding time. 6. Fisheries to provide refresher training of prawn farming and business management as requested. 7. Forestry to provide Sustainable development training to change mind set. 8. Establish committee to observe loss, profits and improvement costs.</p>		<p>circulate air in the pond. 4. Add new prawn stock with available feed. 5. Provide a notice board to show feeding phase, timetable for feeding time. 6. Fisheries to provide refresher training of prawn farming and business management as requested. 7. Regular monitoring and participation is highly needed for the ministry of Fisheries to community despite of the project development is one of the critical species that require research, experience and knowledgeable experts. 8. Forestry to provide Sustainable development</p>	
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	<p>experts. 8. Forestry to provide Sustainable development training to change mind set. 9. Establish committee to observe loss, profits and improvement costs.</p>	<p>monitoring and participation is highly needed for the ministry of Fisheries to community despite of the project development is one of the critical species that require research, experience and knowledgeable experts. 7. Forestry to provide Sustainable development training to change mind set. Establish committee to observe loss, profits and improvement costs.</p>			<p>training to change mind set. 9. Establish committee to observe loss, profits and improvement costs.</p>	
NURSERY	<p>1. Forestry to improve and extend nursery standard with materials, provide Seedling market and</p>	<p>1. Forestry to improve and extend nursery standard with materials, provide Seedling market and</p>	<p>1. Forestry to improve and extend nursery standard with materials, provide Seedling market and refresher</p>	<p>1. Forestry to improve and extend nursery standard with materials, provide Seedling market and refresher training.</p>	<p>1. Forestry to improve and extend nursery standard with materials, provide Seedling market and refresher</p>	<p>1. Forestry to improve and extend nursery standard with materials, provide Seedling market and</p>

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	refresher training. 2. Resource owners to request water authority with ITTO team for permanent water source and other required materials.	refresher training. 2. Resource owners to request water authority with ITTO team for permanent water source and other required materials	training. 2. Resource owners to request water authority with ITTO team for permanent water source and other required materials	2. Resource owners to request water authority with ITTO team for permanent water source and other required materials.	training. 2. Resource owners to request water authority with ITTO team for permanent water source and other required materials	refresher training. 2. Resource owners to request water authority with ITTO team for permanent water source and other required materials
PIGGERY				1. Ministry of Agriculture to inspect and assist fencing of the piggery pan. 2. PA to liase with community on the access to the piggery farm. 3. Agriculture to inspect and find other alternatives methods to modify the Piggery pan for biogas system. Liase with Agriculture team at Koronivia for More information. 4. Resource owners to request water Authority for a		

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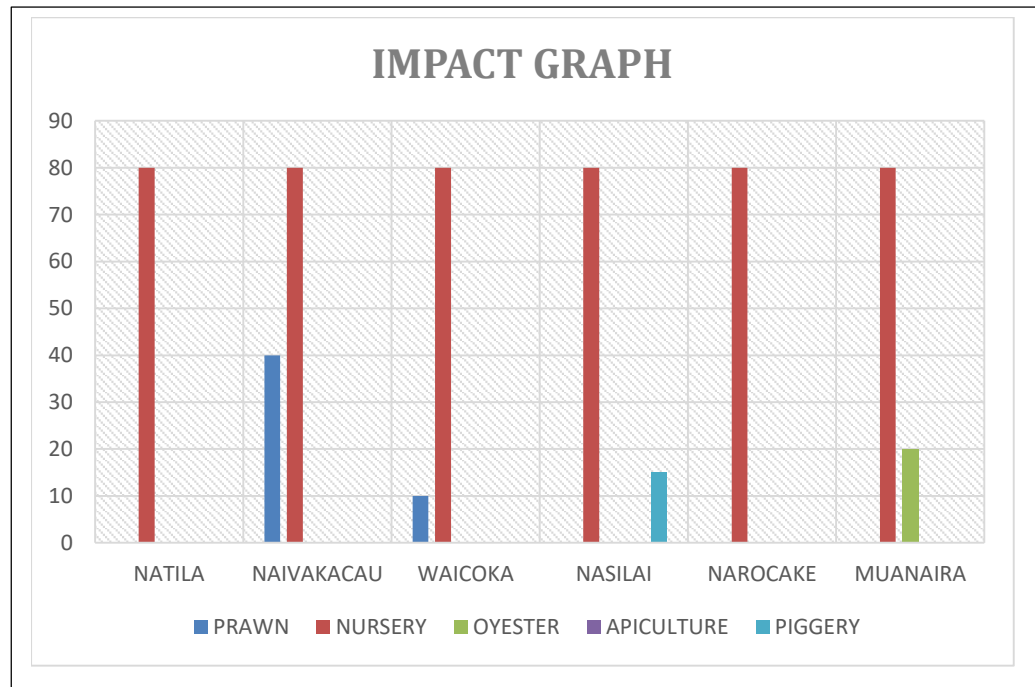
				permanent water source with all materials to sustain the piggery farm business at the village.		
APICULTURE						<ol style="list-style-type: none"> 1. Resource owners to select an area to relocate the bee farm to a safety location after liase with ministry of Agriculture. 2. Agriculture to provide Training opportunities for Bee farming and business management. 4. Regular monitoring by IITO team and agriculture team. 5. The Apiculture farm must fenced to avoid animals and fire. 6. Other materials requested by the RO for Bee keeping suite is

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						considered and Agriculture and ITTO team to discuss further on the funding.
OYESTER						<p>1. PA Rewa to arrange funding for a Communication Tower for the village as requested by the community.</p> <p>3. Fisheries to arrange for work plan to involve cost and village output for a week so that expenses is justified and programmed.</p> <p>5. Fisheries to arrange a small house for team to rest near the oyster farm.</p>

ITTO DEVELOPMENT IMPACT GRAPH FOR THE SIX VILLAGES

VILLAGES	PRAWN	NURSERY	OYESTER	APICULTURE	PIGGERY
NATILA	0	80			
NAIVAKACAU	40	80			
WAICOKA	10	80			
NASILAI		80			15
NAROCAKE	0	80			
MUANAIRA		80	20	0	



The assessment of the impact of the project development results is measured on the total revenue achieved and the timeline by various projects as clarified by Turaga ni koro. As the results from 2020, Majority of these projects were not succeeded well due to Covid 19 and the impact of the cyclone Yasa and Ana. While gauging the project, I also recognized the challenges role between the resource owners and the government ministries. There is a miscommunication during this period of chaos where most communities are focus on their own welfares rather than looking at the development holistically for everyone to share benefit.

In addition, the support from government ministries was also limited in terms of participation and monitoring in order to maintain the sustainability of the projects.

However, the current assessment generally validate the detail need of the project and the way forward to improve sustainably.

The results shows that with the prawn farming, all process and phases have been implemented carefully until only the negative perception of the people at the community and miscommunication between the stakeholders impedes the success of the project and the sacrifice of those who commits to the project.

6.0 CONCLUSION:

Participatory progress assessment for the six villages reveals many important points that needs to be considered where stakeholders and communities must improve their contribution and participation towards the sustainability for each project. The most important challenges identified is that most of the project development never succeeded well during the period caused by miscommunication in between the stakeholders and communities and also the negative applications that portrays wrong attitude for people to spill chemicals on prawn farms wasting efforts and commitment for the business. Discussion through gender equality justify in details the voice of individual communities and expressed their own opinion confidently on the project. The low impact of the project articulates the limited knowledge at community level on how to manage developments and business cashflows. Refresher Training of communities is an important tool that open doors of improvement on knowledge capacities. This can change the way of project application towards sustainability and success. Participation and regular monitoring is vital at the current status of the project by key stakeholders and the project committees in order to sustain business and success. Training of mangrove guideline will also able to set standard lifestyle for communities to adhere and follow aligned procedures in order to safeguard mangrove rehabilitation and share a common goal.

7.0 RECOMMENDATION:

The recommendation of the following points are certainly to be the important priority on all the project currently operating through ITTO funds within the six villages for Tailevu and Rewa:

Responsible ministries key stakeholders must first observe the root cause on why the unsustainability of each project and to set program for regular monitoring and participation. Also to financial support any assistance falls under their core KPIs that have available funds

- ITTO project to refer to the current project document and set fund opportunities might inline with the maintenance need for each project to enhance the standard successfully. Also regular monitoring and participation is encourage at this level.
- Trainings application to focus on the challenges identified as a key factor that reduce the successful progress of each project to build up capacities and adapt communities into the core purpose of the ITTO project.
- Communities to clarify through village meeting for committees or groups trustworthy to handle each project and ensure to attend required trainings and full support in adhering the purpose of the ITTO project.
- Communities to set standard and safekeeping programs through village meeting on ways to secure village project and consequence may caused for those who being caught trespass or interfere into the successfull achivement of the project.
- Responsible ministries and ITTO project team to discuss and share finacial support base on their various standard of output and budget.
- Communities to discuss among them other proporsal alternative livelihood that can improve the secure of mangrove forest and sustain their lives. This proporsal is to be included on the phase thee of the project.

ANNEX 1:

NATILA VILLAGE:



ANNEX 2:

NAIVAKACAU VILLAGE:



ANNEX 3:

WAICOKA VILLAGE:



ANNEX 4:

WAICOKA VILLAGE:



ANNEX 5:

NASILAI VILLAGE:



ANNEX 6:

NAROCAKE VILLAGE:



ANNEX 6:

MUANAIRA VILLAGE:



ANNEX 9:

Finance Document Evidence:

PURCHASE ORDER
 MINISTRY OF FORESTS
 (Please Return This Copy with Goods) Page: 1 of 1

Vendor: NAVNIT001
 NAVNIT SHYNIL RAM
 TIA RAMS SUKI & KAVA DEALERS

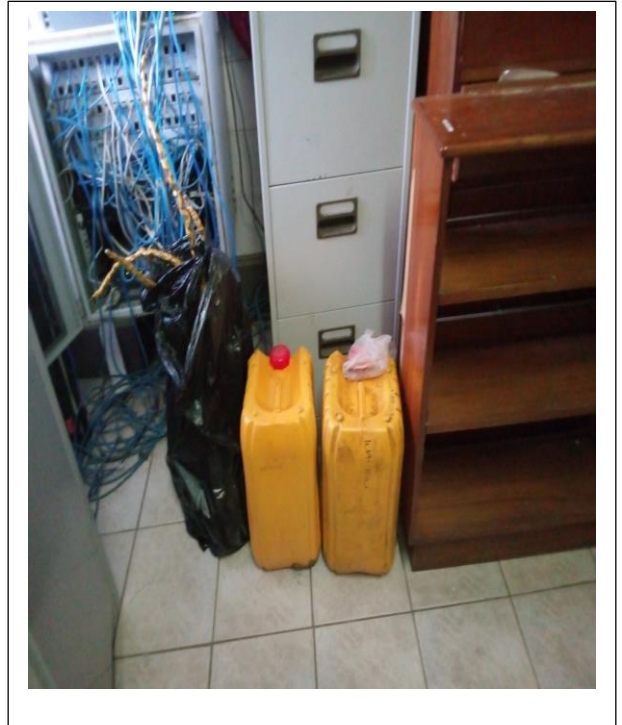
Order No: PO91621-004612
 Order Date: 15 Jan 2024

Part or Service Description	Quantity	Unit Price	Extension
WAKA SEVUSEVU	6	28.086	156.52

Order Amount: 156.52
 VAT: 23.48
 Total Amount: 180.00

Name: *Sanyasa Lal* Designation: CF
 Authorised by: *[Signature]*
 I certify that the above ordered items have been received in good condition & according to other specifications in this Order.
 Date of receipt: _____
 Name: _____ Designation: _____
 Received by: _____

Ship To
 MINISTRY OF FORESTS
 LEVEL 1 TAKAYAWA BUILDING
 TOORAK
 3209



STATUTORY DECLARATION

Elini Kurnesiya
 of The Ministry of Forest
 solemnly and sincerely declare that The sum of \$450 was
 issued to me in advance for Catering purposes
 and meal claim for Government Key Island
 holdic involved in conducting the validation
 inspection activities for the ITTO projects
 with the six villages in Taibu and Nava
 province.

And I make this solemn declaration believing the same to be true and by virtue of the Statutory Declarations Ordinance, 1970.

Declared at *Nasesa market*
 this *14th* day of
June 2024
 before me and I certify that the declaration was read
 over in the *English* language

to the declarant who appeared *[Signature]* and understood the
 meaning thereof

CHRISTINE KUMAR
 Justice of the Peace
 JPO 378 Date: *14/1/24*

8.0 BIBLIOGRAPHY:

All information were gathered from the Validation assessment conducted by the ITTO team, Team stakeholders and Communities within the six villages.