

KOLASIB DISTRICT

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FOSTERING CLIMATE RESILIENT UPLAND FARMING SYSTEM: KOLASIB DISTRICT

Success Story of Boar Semen Station, Kolasib District

Reproductive assistance techniques, such as Artificial Insemination (AI) have significantly improved production rates on pig farms in recent years. According to the FAO (2016), pork is worldwide the most consumed type of red meat thanks to its excellent rate of food conversion, generating a significant demand for world food security. Consequently, implementing AI reproductive techniques allow optimizing production conditions, reducing their cost and increasing their efficiency. It must be recognized that the optimization and improvement in the reproductive processes of pig farms with the implementation of reproductive assistance services such as AI, can lead to greater productive performance and improve efficiency.

FOCUS Project recognized that Artificial Insemination is the key in pig reproduction and any effort to develop this activity will go in a long way in the breeding activities both in the rural and urban areas as well as up to village level. The project proposed to set up boar semen stations, with proper cold chain extending up to the village level at the farmer's door step.

Following this, Boar Semen Stations were constructed in four (4) districts viz. Kolasib, Serchhip, Mamit and Champhai district. Civil construction of all the buildings and biosecurity were completed by AH & Vety in convergence with National Livestock Mission (NLM) which account for 61.70% of the total project cost. Material equipments, propulsion cost, technical and non-technical staff salary and other operational cost were contributed by FOCUS which account for 38.30% of the total cost.

The setting up of Boar Semen Station is very fortunate for both the Department of AH & Vety and the Piggery farmers. When there is no provision for Artificial Insemination, pig farmers used the breeding boar for reproduction which is time and money consuming and associated with risk of contracting diseases.

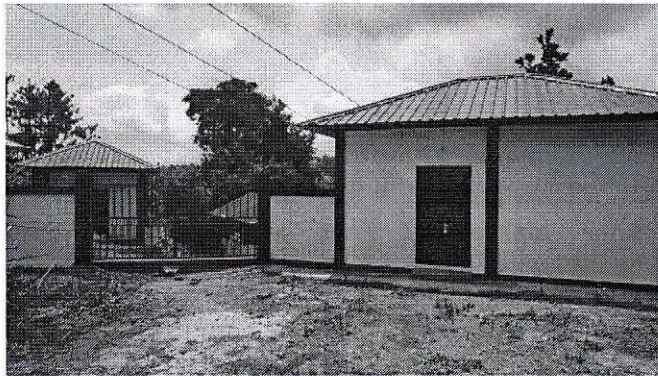
The fully equipped laboratory is beneficial in identifying the quality of semen for insemination, the reproduction capacity of boar and any presence of defect in the sperm. Availability of a good quality boar of known pedigree made it possible to improve the overall population of pig as the semen collected from a single animal can be used to inseminate large number of sows. The availability of hot and cold storage box for transportation and extender of semen made it possible to preserve the semen for a longer time to transport and disseminate the semen to a wider area. With the help of Boar Semen Station there is high hope that the district will soon be self sufficient in pig and pork production.

The Boar Semen Station in Kolasib has started functioning under the project since April, 2021 serving farmers from different villages within the district by providing timely Artificial Insemination with superior semen quality. During April, 2021 to March, 2022 AI service was

delivered to 2573 animals in the Semen Station cover area. Through this service, 11404 numbers of piglets (5858 male and 5546 female) were born. With natural service the farmers had to pay Rs. 2000 inside Kolasib town area. AI with superior quality germplasm was done only at Rs. 500 per insemination. Farmers could save significant amount of money using AI service. With piglet born of 11404 numbers, after considering 5% mortality, farmers in Kolasib area generated an income of about Rs. 750 lakh through piglets alone. Apart from this the Semen Station could sustain itself for feed cost, cost of production of packed semen and other additional cost such as cost for deworming and medicine etc.

Unfortunately, Since April 2022, regular AI service could not be provided to the farmers as the Station faced loss of its breeding boars due to African Swine Fever (ASF). However, during those times, limited AI service was provided to those farmers who requested the service by procuring the boar semen from Regional Semen Station, A.H & Vety, Dept. Selesih.

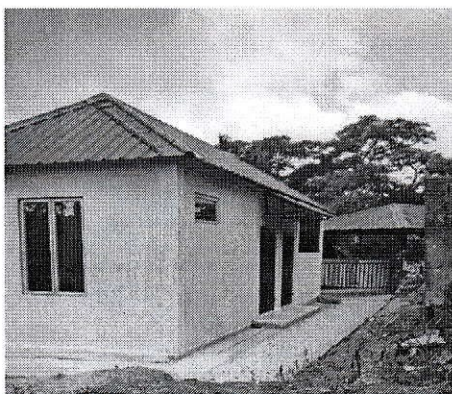
After following standard protocol for ASF, the Semen Station had kept replacement boars and trained them for AI service. As a result, the Semen Station had resumed its normal services since January, 2023 with an insemination of 106 animals during the month.



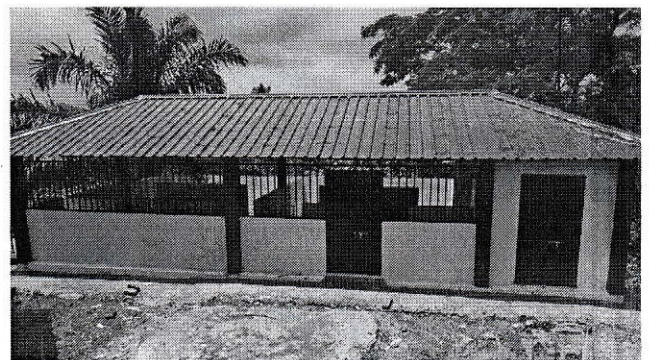
BSS entrance with Changing room



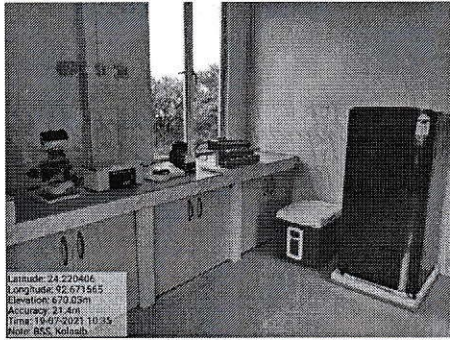
Office Room



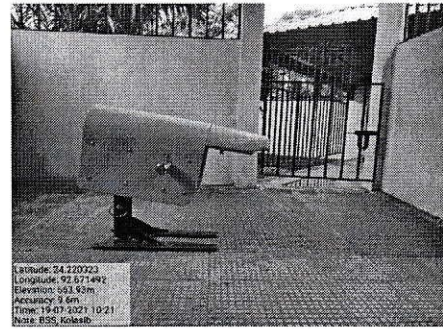
Laboratory building



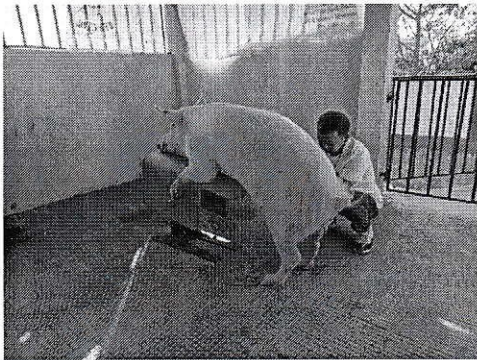
Sty for Breeding Boar



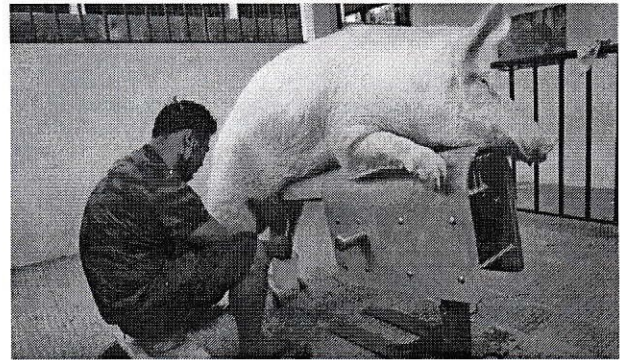
Laboratory



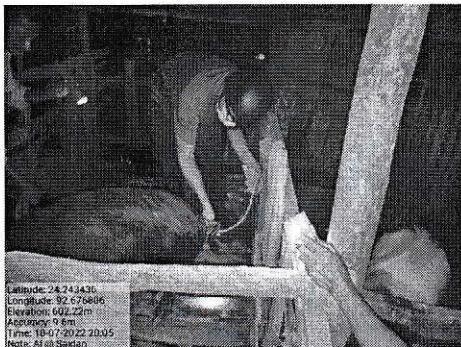
Semen collection area with Dummy



Training of Boar



Semen Collection



AI performed at night



VFA under FOCUS performing AI

SUCCESS STORY ON CULTIVATION OF RABI CROPS (FRENCH BEAN) AT SAIHAPUI 'V' UNDER DMU-KOLASIB

PROFILE:

Name of Activity : SUPPORT FOR WETLAND AGRICULTURE
(RABI CROPS)
Name of beneficiary : VANLALHRUAIA
Name of FIG : WRC 1
Village : SAIHAPUI V
District : KOLASIB
Source of Fund : FOCUS project (through IFAD)

BACKGROUND

Mr. Vanlalhruaia started his farming since the past 12-15 years. It has been their main source of income for the family. He cultivated different types of vegetables but the income from those different produce could not meet their family needs as they do not afford to buy good quality seeds, and so the yield are all in less quantity for bulk market as well as they were infested by insects and diseases.

ACTIVITY IMPLEMENTATION

Cultivation of Rabi crops under Support for Wetland Agriculture was implemented by District Project Management Unit, FOCUS, Kolasib. Under this activity, Mr. Vanlalhruaia received 5kg of French bean (var: Sakata bean & pole bean Vasco) and 20kgs of Rajma (var: Canadian Red). Since it is of good quality variety, it grows very well in his field as both are resistant to pests and diseases and is of hybrid variety.

OUTCOME

At the time of harvesting, our beneficiary Mr. Vanlalhruaia harvested 1.5 quintals of French bean from 4-5 pickings and earns about Rs 11,000/- from his 0.1ha land. Besides this, he also earns about Rs 9000/- from his Rajma yield. He also bought a Washing Machine from the income he generated from his hard work.

CONCLUSION

The interpretation of the above lines showed that the activity implemented and quality of seeds supplied by FOCUS greatly enhance the income of the farmer and thus provide more interests in cultivating the crops. This activity thus proved that good quality seeds as well as hard work sure do bring success and generate the income of the farmer.



Pic : French bean in field



Pic : Harvested Rajma



Pic : Mr Vanlahruaia with his new purchased washing machine

SUCCESS STORY ON DISTRIBUTION OF CROSSBRED PIGLET UNDER DMU, KOLASIB

Name of Beneficiary : Lalrinchhani
Address : Bilkhawthlir

Lalrinchhani is a resident of Bilkhawthlir Village in Kolasib district. She has been interest in pig rearing and often kept a pig for slaughtering. Being a single mother with no specific source of income, it was difficult for her to manage her family and provide for the need of her 2 children. It was also difficult for her to go for large scale farming due to financial constraint.

As per suggestion received from the concern VFA, she was selected as beneficiary for crossbred piglet distribution. She had received 2 numbers of piglets from the project under this activity. The cost of piglet is shared by the project where 50 % of the cost was from the project and 50% was borne by the beneficiary.

From the 2 piglets she received from FOCUS project, she kept one as sow and one for slaughtered purpose. The sow already had one farrowing with a litter size of 6, of which 4 were sold off to the market at the rate of Rs. 7000/ piglet. The total income she generated from slaughtering and selling of piglets was Rs. 58000/-.

She was impressed with the income she generated through this small activity and hoped and aimed to continue rearing sow and also expand her farming through the income she had generated through this activity.



SUCCESS STORY ON PROTECTION OF WATER SOURCES AT THINGDAWL VLLAGE UNDER DMU-KOLASIB

PROFILE:

Name of Activity	: Protection of water source (Construction of check dam)
Name of beneficiary	: Lentupui CCA FIG
Name of FIG Commodity	: COMMUNITY CONSERVATION AREA FIG
Village	: Thingdawl
District	: Kolasib
Source of Fund	: FOCUS project (through IFAD)
Amount	: Rs. 141000.00(Combination of 2 unit)

BACKGROUND: The village face problem on scarcity of water for both home consumption and irrigation for crops during the very dry spell. The Government of Mizoram under PHE department also supply water mainly for home consumption but during the dry season the demand of water required by the people cannot meet due to less supply of water. During rainy season due to high intensity of rainfall, it results in low infiltration. The low infiltration rate results in less water source due to low recharge of water. This problem can be overcome by constructing water harvesting structure and protecting the water source for recharging water.

IMPLEMENTATION: Under Village Forest Conservation, construction of Check dam for protection of water sources was implemented by District Management Unit, Kolasib under FOCUS. The CCA FIG's proposed the requirement and select the site. The site was again verified by DMU staff and estimate has been prepared. The construction work was done by the FIG's and during construction monitoring was done by DMU Staff at regular interval.



Picture1: During Construction



Picture2: After Construction

IMPACT: The construction of check dam has a positive impact which is mention below:

- It helps in preventing gully formation which result in reducing/controlling soil erosion and it also recharge ground water.
- It serves as Water harvesting structure like mini percolated ponds. The check dam act as
- water source for the villages especially the nearby locality i.e., Horeb locality, around 20 households (HH) who always face a problem during the dry season (December to March) and the water serve for home consumption (drinking, cooking, washing purpose).
- As fish are reared in the check dam by the CCA FIG's, it supplies the nutrient demand of the people.
- There are 5-6 farmers nearby the check dam who had Arecanut plantation/orchard and
- vegetables field. The demands of water required by the crops are provided by the check dam by using HDPE pipe for delivery system.

Conclusion: The construction of Check dam has been found successful as it meets the requirement of the villages which also result in protection of the environment.

SUCCESS STORY UNDER DMU KOLASIB

Name of Work	: Supply of Planting material (Arecanut seedlings)
Village	: Zanlawn
Project	: FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Funding Agency	: International fund for Agriculture Development (IFAD)
Name of FIG	: Huapzo FIG & Senhri FIG I – IX FIG
Year	: 2020-2021
Benefited farmer	: 50 farmers (2020) 40 farmers (2021)



Most of the farmers in Zanlawn village have grown Arecanut as their main source of income because of the market. Under FOCUS during FY 2020-2021 Arecanut seedlings were distributed to 50 households. Each household was instructed to plant the seedling at a spacing of 8ft . Each household receives 500 Arecanut seedlings. VLW and SAC helped the distribution and procurement of Arecanut seedlings. For the better growth of these Arecanut seedlings inter-cropping is practiced. Protein rich leguminous crop Arhaar was planted in between Arecanut seedlings for getting nutrition and for nitrogen fixation.

During the year 2021, the distribution of Arecanut has seen a great success the FIG leaders proposed to submit requirement for the distribution of Arecanut during FY 2021-2022 which was approved. 40 household each from 10 FiGs was selected and given 450 arecanut seedlings each.

The beneficiaries for Arecanut seedlings are monitored by the VLW carefully and measured using measuring tape on several occasions. The arecanut seedlings has a success rate of 85% and are usually 5ft – 5.5ft tall at the moment. Through FOCUS the beneficiaries has received arecanut fertilizer for maintenance as well as mini sprayer for the growth and maintenance of Arecanut. This is suspected to bring about great financial aid for farmers and is believed to bring steady income in the future.

Name of Activity : Arecanut
Village : Bilkhawthlir North
Name of FIG : Upland FIG 3
Location : Chemphai Kawng
Name of Beneficiary : Lalrintluangi
Amount Received : 500 seedlings
Funding Agency : IFAD
Implementing Office : FOCUS, DMU KOLASIB

Through FIG Committee Pi Lalrintluangi was sort out to received Arecanut seedling and requirement was submitted on 28. May.2021 after accepting the requirement from Upland FIG 3 supplier Pu Lalthantluanga was assigned to supply Arecanut seedling to Pi Lalrintluangi , she received 500 seedlings of Arecanut and was also provided well with mini sprayer and a sum of money (Rs.1000/-) for plant protection.

On prior monitoring before distribution of Arecanut seedling training was given to her and it was also highlighted the importance of spacing and she was suggested to maintain proper spacing of at least 7 feet. Pi Lalrintluangi plot of land was in a good condition and on knowing that she will be receiving Arecanut seedling from FOCUS she prepared her land by weeding the plot and she dredged her land for cultivating the seedling she will be received.

On 2022 monitoring Pi Lalrintluangi Arecanut seedlings are in good condition and she also maintains a proper spacing of 7feet in between each seedlings. She also keeps on planting and by that time of monitoring she has 5000 Arecanut tree which are healthy and in good condition. Out of 5000 arecanut tree 1000 Arecanut tree are in flowering stage and the seedling she received from FOCUS are also in a good condition.

On 2023 monitoring her Arecanut seedlings are healthy and are in good condition we have also observe that weeding was practice as and when required. We have also come to know that Mini sprayer she received was also friendly to use and she was well pleased with it.



Activity : Arecanut Seedlings Distribution
Project : Focus, District Management Unit – Kolasib
Funding Agency : International Fund For Agricultural Development
Name of Village : Pangbalkawn & Meidum
Name of Fig : Thingkhuang Fig 3 (Pangbalkawn),
Settled Agri Fig 2&4 (Meidum)
Year : 2022-2023

Distribution of arecanut seedlings at Meidum & Pangbalkawn was done during the Financial Year 2022-2023. FIG Leaders from these villages submitted requirement of arecanut seedlings to District Management Unit, Kolasib District based on their members which have not yet received arecanut seedlings which is 4 households from Pangbalkawn village and 40 households from Meidum village after they held meetings with their members. After their requirement has been accepted by DMU, Kolasib, 450 arecanut seedlings was distributed per household and some even buys more seedlings as the Project cannot provide them with the number of seedlings they need to fill their lands. As the climatic condition and soil is ideal for cultivation of arecanut seedlings at Meidum and Pangbalkawn, the villagers has started planting arecanut for commercial purpose at their farmland and they put a lot of time and effort planting and maintaining their cultivated lands.

The villagers are grateful that the Project has accepted their request to distribute arecanut seedlings at their village and though some seedlings has died during the winter season, some are healthy and are expected to increase the product and income of the farmers. The farmers only request is that the seedlings be distributed at the time of the planting season of that particular plant.





PROFILE:

Activity	: Supply of Planting Material (Arecanut Seedlings)
Funding Agency	: IFAD
Project	: FOCUS, District Management Unit
Name of Village	: Vairengte VC-2
Year	: 2022-2023
Name of Fig	: Chuailo Broom 1, 3, 14, 17
No of Beneficiaries	: 70 Household
No of Seedling/household	: 400 seedling/household

MONITORING:

After monitoring by VLW Vairengte VC-2 , it was realized that most of the farmers are engaged with plantation of Arecanut, as the topography and climate here is suitable for cultivation of Arecanut and was/is the main source of income for most of the farmers for many years . In Vairengte VC-2 village there are 18 Upland Settled/ Agriculture FIG , among the existing FIG , FIG Chuailo broom 1, 3, 14 and 17 are selected by VLW and FIG leader .

ACTION TAKEN:

As mention earlier there are lot of FIG under Upland Settled/ Agriculture FIG and most of the farmers are engaged to Arecanut farming who are in highly need of Arecanut seedlings and seedlings allotted to us will not be able to cover members under Upland Settled/ Agriculture FIG . As a concern VLW it was hard to make decision, but with the help SAC, TO and DPM selection was made and FIG members are requested to submit Arecanut seedling requirement. 70 beneficiaries were selected and each beneficiary received 400 Arecanut seedlings.



Fig: Distribution of Arecanut Seddlings with VLW

As prior to distribution of Arecanut seedlings training was conducted to the selected beneficiaries. Each beneficiary are requested to apply proper spacing which was 6-10 Ft. After, second monitoring we are happy to see that our beneficiaries maintain proper spacing and survival rate was also quiet high which was in average 99%.

As and when necessary, monitoring was done by VLW and till date weeding was done properly and seedlings are healthy and are in good condition.

ACHIEVEMENT:

Arecanut need 5-7 years to bear fruit, but as now we cannot see the yield produce by our seedling distributed. As beneficiaries were maintaining proper spacing and regular monitoring was done, we are having high expectation and we also hope that our distributed seedlings will yield more than ever and it will surely increase the income of the farmers.



Fig: *C.Lalparvulahuanthlalak*, Arecanut beneficiary.

CONCLUSION :

Beneficiaries under Vairengte VC -2 said that they are fortunate enough to be apart of the project and are happy that they received seedlings which they needed for a long time. FIG are glad to FOCUS, DMU, Kolasib and they also show their gratitude to IFAD for the fund they had received.

Name of Work : Bench Terrace
Project : Focus, District Management Unit-Kolasib
Funding Agency : International Fund for Agricultural Development (IFAD)
Name of Village : Lungdai, Nisapui
Name of Fig : Landless Fig Lungdai, Landless Fig Nisapui
Year : 2022-2023
Amount : Rs 50000/Beneficiary
Location : Bawngtlat Mual, Samak Zau, Chamdun





After FOCUS was introduced, Landless FIG's were formed in both Lungdai and Nisapui villages where the Village Council had leased land to Landless members. Jhum cultivation was practice in the land leased for the first two three years. Initiative measures were taken to adopt permanent farming system and for this construction of bench terracing was done to conserve soil and water erosion.

In Lungdai village, 5ha had been covered for 10 household (HH) and in Nisapui village, 4ha had been covered for 8 household (HH). An amount of Rs 100000.00 per ha had been allotted for one unit. Of the total unit cost, Rs 85000 had been funded by the FOCUS and the remaining 15% i.e., Rs15000.00 had been contributed by the beneficiaries. Each beneficiary is allotted with 0.5ha.

Before construction of bench terracing field operation was very difficult due to steep of their field land and after construction of Bench Terracing, field operation can be easily done. It is meant to conserve soil and water erosion as the problem they face during rainy season resulting in soil erosion is also overcome. In order to increase the soil fertility through Nitrogen fixation, legumes is now planted.

ACTIVITY	: Area Expansion of Dragon Fruit
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING AGENCY	: International Fund for Agricultural Development
NAME OF VILLAGE	: Diakkawn
NAME OF FIG	: Derhken FIG VI
YEAR	: 2021-2022
Amount	: Rs 60,000/-

The cultivation of Dragon-fruit was initiated in convergence with FOCUS and Horticulture Department under Upland/Orchard FIG. Beneficiaries were selected by Horticulture Department in accordance with the members of our FIGs. After this, a fund requisition from the selected beneficiary FIG was sent to FOCUS DMU(K) and after approval, the beneficiary selected Marvilla Rochhingpii of Derhken FIG VI was given a sanction order.

For the construction of the Dragon-fruit pillar Rs 60,000 was sanctioned by FOCUS DMU(K), which was released in installments. 1st installment amounting to Rs 40,000 and with this 200 pillars were to be erected. With the supervision of VLW and SAC, it was surveyed if they erected the said 200 pillars so that 2nd installment amounting to Rs 20,000 could be released.

Marvilla Rochhingpii is a very hardworking woman with a very good crop area, which is always clean all year round. Different orchard crops are the main source of income for her family and when she was selected to be the beneficiary, she was overjoyed. Now, with her own money, she is erecting even more pillars for dragon-fruit as she can have more seedlings from the dragon fruit she received from FOCUS, which have already become mature.

Marvilla and her family have harvested Dragon-fruit from the year 2022, even though they had little hope at first they yield more than they anticipated. This significantly increase their income as dragon-fruit is a costly fruit selling at Rs 200-300 per kg. Marvilla and her family are very happy at FOCUS DMU(K) for their help in making them successful in an activity which they couldn't have done by themselves.



Name of Work	: Area Expansion on Cultivation of Dragonfruit
Project	: FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Funding Agency	: International fund for Agriculture Development (IFAD)
Name of Village	: Kawnpui VC 1
Name of FIG	: Joshua FIG 8
Year	: 2022-2023
Amount	: Rs.60,000/unit
Location	: Zau Aw



Fig: construction of trellis for dragonfruit cultivation

Dragonfruit is a unique fruit, it is very healthy and a bit pricier than other fruits. The maintenance and care of this fruit is also high maintenance. The quality and cost of this fruit has been seen by FOCUS and thus farmers also see the potential in it.

For the cultivation of Dragonfruit, Upland/Settled FIG has been selected and those selected/beneficiaries are submitted to DMU- Kolasib. Then the site selection is done in which Mr Liandawla was selected to cultivate dragonfruit in Kawnpui VC 1.

Mr. Liandawla has in recent years already started cultivating dragonfruit and thus has a hands on experience in the maintenance of this fruit. First of all for the preparation stage trellis is made with 1st installment of Rs.40000/-. 200 RCC trellis is constructed and another

2nd installment of Rs.60000/- is then released for the completion and maintenance of this crop.

With all their own dragonfruit seedling, a total of 1500 trellis has been built and the maintenance of Dragonfruit has been provided along with the VLW. A documentary video has even been created because of the great success with the dragonfruit.

SUCCESS STORY ON AREA EXPANSION ON CULTIVATION OF DRAGON FRUIT UNDER SETTLED AGRICULTURE/ORCHARD

PROFILE

Activity : Area Expansion on Cultivation of Dragon Fruit
Project : District Managent Unit FOCUS, Kolasib
Funding : International Fund for Agricultural Development (IFAD)
District : Kolasib
Quantity of Unit received : 1 Unit (200 Trellis) Amount : Rs 60000

FARMER'S PROFILE

Name of Village : Tumpui, Kolasib
Name of FIG : Awithangpa FIG-II
Functional specialization of FIG : Upland Settled Agri/Orchard Year : 2022-2023
Location : Helipad Zau
GPS : Lat : 24.229949 Long : 92.670488
Benefitted Area : 1 Ha
No of Beneficiary : 1

Year 2022-2023 4th quarter: Pu Lalnuntluanga Upland Settled Agriculture FIG (Awithangpa FIG) engaged in cultivation of dragon fruit. Requirement was submitted by FIG leader, step was taken in convergence with FOCUS and Horticulture Department.

They erected trellis from the money they received from FOCUS amounting to Rs 60000/- and planted Dragon-fruit seedlings to these trellis. Monitoring was also done by Technical Officer (Horti) and VLW after this also very content in the work done.

After the Dragon-fruit were mature they yield 15 quintals, which are sold at Rs 150-200 depending on the season, making roughly Rs 2,25,000 a year becoming the main source of income for the family. Being so successful, they even received 1 more unit from FOCUS i.e. Rs 60000 to cultivate more dragon-fruit and they are very thankful for it. With hard work and diligence in their work, we as FOCUS staff are also hoping for their best.





Figure : Regular Monitoring by DMU Staff

Yield/Outcome in 2023

1. Now with more dragon-fruit than previous year they are estimated to yield 20-25 quintals this year with prices going from Rs 250-300 amounting to an average of 3,50,000.
2. They no longer shift farms like they use to and live off the same plot of land.
- 3) Dragon-fruits when mature are easy to maintain even for women.
3. Dragon fruit is a delicious fruit and price is good in the market. It is also healthy and can be consumed easily by babies and even for weak people.
4. It is great fruit for small plots of land and even the use of fertilizers is not needed.

CONCLUSION: Activities such as Expansion of Dragon-fruit area is a very good and useful activity for the farmers, especially with farmers having large plot of land but not decisive about what crop to plant in their land. Also, even for small plot, it can earn a lot of money as the fruit price in the market is very high.

Activity : Area Expansion on Cultivation of Dragon Fruit
Project : Focus, Dmu-Kolasib
Funding Agency : International Fund For Agriculture Development (IFAD)
Name of Village : Saiphai
Name of Fig : Vanapa XV
Year : 2021-2022
Amount : Rs 1,20,000/-
Gps : Lat : 24.413133, Long : 92.799628

Mr. Lalremruatfela, a resident of Saiphai has been selected as a beneficiary for cultivation of Dragon fruit after a brief monitoring and site verification during the FY 2021-2022. Dragon fruit, being a popular and high value fruit, the beneficiary was also excited being selected under FOCUS project for the same.

After submitting the requirement and fund requisition, 1st installment of Rs 40000/- was given for initiating and constructing the RCC post. After a fastidious instruction, construction of RCC post was started. But being monsoon season, the materials have to be head loaded from the village as vehicle could not enter the farm site due to bad road problem. But the farmers high-spirit led to the completion of 150 posts. After monitoring, 2nd installment of Rs 20000/- fund was given again and with that 200 posts could be completed.

80nos of Dragon fruit cuttings was received from Horticulture COE, Thingawl. Since dragon fruit is sensitive and needs proper care, therefore cutter, sprayer, NPK, tray, Pesticide and Vitamins were also received and beneficiaires were also given instructions as to how to use and handle and when to apply the pesticides.

After careful and with much care, Mr Lalremruatfela harvested his dragon fruit in the next year. In the year 2022, out of 200 posts, 170 posts bear fruits. As they are the only dragon fruit beneficiary in Saiphai, they have generated a good income from it. Since it is their 1st year, it could not bear as much as expected. Within the year 2022, they have harvested 5qntls and out of this they have sold out 3qntls and around Rs 45000/- were profited from it. They have expected more profit in the coming years.



NAME OF WORK	: Area Expansion on Cultivation of Dragon Fruit
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International fund for Agricultural Development (IFAD)
NAME OF VILLAGE	: Thingdawl
Name of FIG	: Eden FIG XIV
Year	: 2022-2023
Amount	: Rs 60,000/Unit
Location	: High School bul



Eden FIG XIII (Upland/Orchard) from Thingdawl village made a request to DMU, Kolasib for the implementation on Area Expansion on Cultivation of Dragon fruit. The FIG

selected the beneficiary based on the performance and the interest of the farmers. The cost demand for the startup of this Dragon plantation is very high and for a small and marginal farmer it is very difficult to take up the Dragonfruit plantation. So, initiative measures had taken up by FOCUS to overcome the financial problem face by the farmers in improving Dragon fruit cultivation through the activity-Area Expansion on Cultivation of Dragon fruit.

A fund was given in two installments through FIG account. 1st installment (Rs.40000.00) was given for making 200 trellies and farmers were given instruction on the technique to be adopted. The beneficiaries also contributed by making 200 trellies for Dragon fruit plantation in their respective field. This activity had done in convergence with Department of Horticulture. And they provided 600 cuttings (Dragon fruit seedlings) to each beneficiary. The FOCUS supply agriculture inputs (Fertilizers, Micronutrients, Fungicide, Bactericide, Baskets) for the maintenance of this plantation crops. The construction of half-moon terrace was also done in dragon fruit plantation site.

As the plantation was done as per the instruction given by the FOCUS, the Dragon fruit plantation are healthy and bear fruits of good quality resulting in high yield of the crops. The farmers are able to yield 200 Quintals by one beneficiaries which were again sold at Rs. 250 per kg which generates the income of the farmers. The dragon fruit not only increase the income of the farmers but also supple the food nutrients required by the farmers through consumption of their dragon fruits.

Name of Work	: Area expansion on cultivation of Dragon Fruit
Project	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
Funding	: International fund for Agricultural Development (IFAD)
Name of Village	: Lungdai, Serkhan
Name of FIG	: Venglai FIG, Venglai 2 FIG, April 4, April 2
Year	: 2021-2022
Amount	: Rs 60,000/Unit
Location	: Lungpui zawl, Kual Zau





The Upland FIG at Lungdai, Serkhan and Nisapui village selected the beneficiaries for the implementation of Area expansion on cultivation of Dragon fruit. The beneficiaries were selected based on their performance, requirement and willingness of the farmers. The sites for this plantation crops had been identified by the VLW.

A fund of Rs 40000.00 was given as 1st Installment and the beneficiaries were instructed to prepare 200 trellies and technical guidance was also given. After the task on making of trellies, inspection was done by the VLW whether the farmers had done as per the instruction or not. On approval of their work 2nd Installment was again given i.e., Rs 20000.00. The FOCUS supply agriculture inputs (Fertilizers, Micronutrients, Fungicide, Bactericide, Baskets) for the management of this plantation crops.

During the year 2021-2022, Zahmingliani of April 4 FIG, Serkhan had done this area expansion on cultivation of Drago Fruit in her field. At present, it is now the main income for their families. In addititon to this, Vanlalruat of Venglai 2 FIG and Lalmuanzuala Zobawm FIG from Lungdai village also expected a very high yield this year. These two beneficiaries also done additional 70-80 trellies in their own respected field.

After observing the beneficiaries of Area Expansion on Cultivation of Dragon fruit by the members of the FIG's, more farmers are interested and willing to take up this activity.

NAME OF WORK	: Farm Link Road
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International fund for Agricultural Development (IFAD)
NAME OF VILLAGE	: Thingdawl
Name of FIG	: Village Level Producers Group Thingdawl
Year	: 2022-2023
Benefitted Farmer	: 60.
Amount	: Rs 20,00,000/-
Location	: Tuichhuahen zau





The Thingdawl IFS area was located at Tuichhuahen zau which is 7km from the National Highway and there are 60 households (HH) who had practiced farming. The area was formed in different cluster where they face a problem in transportation of farms produced and farm operations due to no proper road. So, Village Level Producer Group (VLPG) had made a proposal to DMU on the requirement of Farm Link road. So initiative measures had been taken to overcome their problem. The FOCUS had allotted 4km for construction of Farm link road with a unit cost of Rs.500000 per km.

The surveying for construction of Farm Link road was done by Junior Engineer, Village level worker and VLPG. As such after identification of site for link road, estimate was prepared by the JE and construction was done. During construction, it was look after by the JE and VLPG's whether works was done as per the estimate and guidelines. As there are three cluster in the IFS area, so farm link road had been constructed to interlink all these clusters.

As compared to the time before construction of farm link roads, farm operation is much easier for the farmers because transportation of all agricultural inputs and farm produced can be easily done as it saves time and energy which result in increasing income of the farmers.

Name of Work : HALFMOON TERRACE
Project : FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Village : Zanlawn
Funding : International fund for Agriculture Development (IFAD)
Name of FIG : Senhri FIG III & Senhri FIG VI
Year : 2022-2023
Benefitted farmer : 10 farmers Amount : Rs.1,50,000/unit
Location : Vandawt zau & Vangchhung zau



The village of Zanlawn village has Upland/Orchard named Senhri FIG III and Senhri FIG VI who had received Arecanut seedlings for the FY 2020 and 2021, in order to better these Arecanut seedlings halfmoon terrace cultivation has been proposed and the requirements are submitted to the VLW on Dt.10/2/23 which is then forwarded to the SAC.

After the approval from DMU (K), 10 beneficiaries from Senhri FIG !!! and Senhri FIG VI has been selected for half moon cultivation. The design and structure of half moon terrace is given by the JE and the VLWs give a lecture on the proper way for halfmoon terrace. Bamboo and woods are used for the structure and mainframe. 500 Half moon terrace has been constructed for each beneficiary and each beneficiary receives a sum of Rs.15,000/-.

The uses of halfmoon terrace are:-

1. Half-moon terrace is beneficial for Arecanut seedlings growth.
2. It prevents surface run off.
3. Since water is stored in the burrow it helps in crop growth and development.
4. It helps in giving fertilizer to the crop
5. It helps in maintaining the crops.

Since this development the beneficiaries and FIG leaders are very thankful to FOCUS.

Name of Activity : Halfmoon Terrace
Village : Bilkhawthlir North
Name of FIG : Upland FIG 7
Location : Chemphai Kawng
Name of Beneficiary : K.Lalrinmawii
Amount Received : 30000
Funding Agency : IFAD
Implementing Office : FOCUS, DMU KOLASIB
Year : 2021-2022

Having 1.2 ha of Arecanut tree plantation Pi.Lalrinmawii of Bilkhawthlir North is in need of Half-moon Terrace and through FIG Committee she had submitted her need of Half-moon Terrace which was accepted on 6.April.2022 and Rs.30000/- was given her through FIG account. As per estimation made by FOCUS, farmers are requested to construct 500 Half-moon Terrace, but she constructed 1500 Half-moon Terrace and concerned VLW was also feeling delighted with the extra work and effort she gave in constructing not only the required estimate.

Half-moon Terracing prevents soil erosion in hilly areas, it is an effective simple method for enriching the soil and moisture regime of the basal region of the individual crop and also rugged and uneven lands useful for any kind of plantation. It serves the purpose of weeding and loosening of soil particles around the stem.

It was monitor on 2022 and we have got to witness that she still keeps on continuing to construct Half-moon Terrace because after construction she realized the benefit of it and at present, she constructed 2500 Half-moon Terrace and she said that she will keep on constructing as many as she could with her own money.

On 2023 monitoring we have come to realized that her Arecanut yield was more than the previous year and her income was also increase than ever due to her construction of Half-moon Terrace. We, as a concern VLW and SAC was please and over the moon seeing her and her family increase their income.



ACTIVITY : **HALFMOON TERRACE**
PROJECT : **FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB**
FUNDING AGENCY : **International Fund for Agricultural Development**
NAME OF VILLAGE : **SAIDAN**
NAME OF FIG : **PHARITLANG ZAU FIG YEAR : 2022-2023**
BENEFITTED FARMER : **10 Household**
AMOUNT : **Rs 150,000/-**

One of the activities under FOCUS Project is Half Moon Terrace. It is an important activity under FOCUS, which is beneficial for crops. It was now done on arecanut crops which were distributed before under FOCUS Project.

Half Moon Terrace was dug in Phari Tlang Zau FIG, Saidan under Upland/ Settled FIG consisting of 10 beneficiaries. Digging of half moon terrace is done according to the areas and location. Usually, it was dug in 2 feet x 4feet, this is done for the benefit of the arecanut plant.



Before digging of half moon terrace, farmers have face adverse difficulties regarding care and maintenance of arecanut crops. Since they are being planted in slopy areas, the top soils are being washed away by rainwater.

Keeping in mind, the problems faced by the farmers, requirement for half moon terrace was submitted to FOCUS DMU(K). After site verification from FOCUS, they were approved of digging half moon terrace. The work was started without hesitation and the farmers were happy. Even the crops show signs of improvement, which can be seen. All the arecanut were planted in line system.

In half moon terrace, 500 terraces were dug for each beneficiary. Bamboos were used to support each terrace, this helps in saving top-soil and soil nutrients from being swept away by rainwater and running water.

Village : Bairabi North and Bairabi South

Activity : Halfmoon Terrace

Half moon terrace was constructed at Bairabi North and Bairabi South village after FIG members from these village held a meeting to select farmers which have received Arecanut seedlings from FOCUS Project. 20 beneficiaries were selected to receive 0.5 unit each from 10 unit allotted from the DMU Kolasib. Each beneficiaries received Rs. 15000 to construct atleast 300 halfmoon.

Construction of halfmoon is done to conserve moisture and enrich the soil at the basal region of the individual crop as construction of halfmoon will prevent top soil erosion which is caused mainly by heavy rainfall happening during rainy season. Conservation of top soil and moisture for the crops will enrich soil fertility which will further result in increase in productivity. Some farmers even constructed 500 instead of 300 halfmoon as they realised the importance of construction of halfmoon for the crops.

Farmers are grateful for all works allotted and seedlings distributed in their village since the beginning of the Project to increase their income through increase in their productivity from their farmland.



Name of Activity	: Distribution of Paddy/ RICE
Project	: IFAD (FOCUS)
Funding Agency	: IFAD
Village	: Vairengte VC-1
Name of FIG	: Aitlang Zau FIG, Vairengte VC-I
Type of FIG	: WRC/TRC
Location	: Aitlang Zau, Vairengte VC-I
GPS	: Latitude: 24.462798, Longitude: 92.750139

MONITORING:

Prior to distribution of Paddy seeds verification was made by VLW, SAC and Technical Officers. Through meeting held by FIG under Aitlang Zau, Vairengte VC-I it was made conclusion to make requirement to DMU (K). After accepting the requirement submitted by FIG , training was conducted by Technical Officer (Agri) which was helpful for the beneficiaries.

STEP TAKEN:

As we all know in the year 2020 we are facing problem due to Covid-19 pandemic. We have shortage of basic needs and people all around the world are crying for food and basic needs so as to keep themselves and their family alive .Farmers are facing problem in procuring seeds, knowing this FOCUS DMU (K) make proper arrangement to supply paddy seeds to the needed farmers.

Each farmers received 2 tin of rice seeds (1 tin=17.5 litres capacity), variety received by farmers is Manipur variety and farmers are feeling fortunate with this variety which they are praying for a long time. They sow their paddy seeds in their plot of land and after attaining required length, the seedlings are transplanted in their main field.

OUTCOME:

Diligent farmers at Aitlang Zau give their very best and care their crops with love. As Manipur variety is delicious and demand is high most of the farmers have a good yield , in average each farmers production was 4/5 quintals. Farmers show their gratitude to FOCUS, DMU (K) and they even reserved seeds which will be sown in the next season.

Impact it make to the farmers:-

1. They can have a healthy and delicious rice for their family
2. As it is more tasty as compare to other rice variety demand is high and also price is much higher in the market . Thus, income of the farmers also increase
3. Farmers at first are not aware of Manipur variety but after experiencing the better taste and higher price , farmers are motivated and are willing to sown more in the future. They also now realized the importance of keeping seeds for the next season.

Growing delicious variety of rice in Mizoram drive youth farmers in the right path and we also realized that growing them might take a little bit of extra effort but the outcome is beyond expectation and will gradually result in increase in the economy of Mizoram .



*Fig: Laltanpuia Royte Rice seeds
Rice seeds are in good health and in good condition*





CONCLUSION:

We, Vairengte Village Council share their gratitude to FOCUS, DMU, Kolasib for always taking initiation to the requirement we make and for procuring farmers under WRC/TRC with a great demand variety and farmers are also happy to witness their increase of income. They are also glad to be funded by IFAD team and to all the staff for their endless support.

ACTIVITY	: Supply of Backyard Poultry
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT – KOLASIB
FUNDING	: International Fund for Agricultural Development
NAME OF VILLAGE	: Pangbalkawn, Meidum and South Chhimluang
YEAR	: 2022-2023

Supply of Backyard Poultry has been done in different villages under FOCUS Project within Kolasib District. These 3 villages i.e. Meidum, Pangbalkawn and South Chhimluang villages also have FIG members which have not yet received help from the Project mostly women headed households . FIG Leaders from these villages have submitted their requirement to the DMU, Kolasib through Village Level Workers. After DMU Kolasib has accepted their request, rainbow roosters was distributed to 30 households each in these villages, distribution of rainbow roosters also include distribution of their food which is 2kg each and materials for feeding the roosters and vaccinations for the roosters.

Women headed households were given priority during the distribution of rainbow roosters to generate their income and to increase their value in the community. The beneficiaries are now able to sell the eggs produced by the rainbow roosters they received at a lower price compared to the local market and they are very grateful that they are given these at free of cost which most people would have to pay so much for.

Beneficiaries reared the rainbow roosters they received at their farmland also at their backyards which is not hard for the farmers and also, the waste produced by the chickens is useful for the crops they cultivated at their farmlands which will increase their income. FOCUS Workers like VFA & CAHW are available to help the farmers if they need any help regarding animals rearing and vaccination.





SUCCESS STORY OF RAINBOW ROOSTERS DISTRIBUTED AT 5 VILLAGES

Name of Activity : Distribution of Rainbow Roosters.
Name of Project : FOCUS
Benefitted Area : 5 Villages
Benefitted Household : 150 Household.
Village : Saihapui K, Bukvannei, N Thinglian, Buhchangphai & Phaisen

Supply of Rainbow Rooster Chicks @Saihapui K, Bukvannei, N Thinglian, Buhchangphai & Phaisen: During the Year 2022-2023 in the month of September-October, a large scale operation of supplying Rainbow Rooster Chicks to 5 Villages under Landless FIGs was initiated. In this operation, a total of 7 FIGs were covered. Now, the Roosters have been providing much needed eggs for the people of each Villages as of February 2023, the eggs are often sold to provide financial support or as a source of nutrition for families.

Now, with the help of Veterinary support from AH& Vety Department vaccines are also being given to chickens for immunity to certain diseases, which will further help in keeping the chickens healthy in providing more eggs for the farmers.

The Distribution of Rainbow Roosters have impacted several families in their financial problems. So, demand from farmers for rainbow roosters is very great.



Name of Work	: Protection of Water Sources (2022-2023)
Project	: FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Funding Agency	: International fund for Agriculture Development (IFAD)
Name of Village	: Kawnpui VC 2
Name of FIG	: Lentupui FIG
Year	: 2022-2023
Benefitted farmer	: 20 farmers covering 25 Ha
Amount	: Rs.84,000/unit
Location	: Daihnai Kawr



Kawnpui VC 2 has a Community Conservation Area FIG called Lentupui FIG under this FIG there are VC representatives and NGO representatives. There are 5 members and they have committee every month.

Kawnpui village is a progressive village and there have been several farmers who have been successful through farming. The main problem for most of the farmers is irrigation and water shortage especially during dry seasons, to tackle this problem the VC has requested the construction of Protection of Water Sources (Check dam). After approval is received from DMU (K) the construction Daihnai kawr is selected. For this construction Rs.54000/- is sanctioned for 1st installment and Rs.30000/- is sanctioned for 2nd installment. Therefore, adding upto Rs.84000/- for the completion of check dam.

This check dam is unitedly built for the betterment of the community. Daihnai kawr is situated not too far from the main roads and is believed to be able to be used for the community. Most of the work is through head load, for this check dam Cubic stones, Boulder and cements are used. This check dam has a good water source and thus never runs out of water even during dry seasons. Therefore, this checkdam is useful for the community for washing purposes, drinking and for irrigation purposes for the crops.

Name of Work	: Protection of Water Sources (2021-2022)
Project	: FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Funding Agency	: International fund for Agriculture Development (IFAD)
Name of Village	: Khamrang
Name of FIG	: Herhse FIG
Year	: 2022-2023
Benefitted farmer	: 5 farmers covering 8 Ha.
Amount	: Rs.1,68,000/unit
Location	: Khawhlui zau



Herhse FIG under Community Conservaion Area has VCP and VC as members. It consists of 5 members and is called Herhse FIG..

Checkdam is constructed in the communities main water source, Puklui and the committee decided to submit requirement. After approval 2 units is allotted and an estimate of Rs.1,68,000/- is given. Puklui cuts through Khamrang village and is the main water source of water for Khamrang village and during rainy seasons, this river sometimes become flooded. This flooding causes the lands around this river to become eroded overtime. This check dam is given in installments of Rs.100800/- and Rs.67200/- respectively.

This check dam is made in the head of Puklui river to stop the river from moving too fast during rainy seasons to prevent further erosion of the lands. In this check dam, fingerlings are harvested in this river and have yet to become a source of income for people of the community. This check dam prevents water from drying up during dry seasons and this has become very helpful for the people of the community.

Name of Activity	: Protection of Water Sources
Village	: BilkhawthlirNorth
Name of FIG	: Buannel FIG
Location	: Tuikhur Hnar
Benefitted Area	: 3 Ha
Amount Received	: 1,68,000
Funding Agency	: IFAD
Implementing Office	: FOCUS, DMU (K)
Year	: 2021-2022

From a monthly meeting held by the FIG it was highlighted that they are in need of protection of water sources. Action was taken by FIG leader and requirement was made by them and submitted to SAC, after requirement submitted by them was accepted by DMU (K) 2 unit of Protection of Water Sources was allotted to them.

For construction of Protection of Water Sources raw materials like cubic stone 700, boulder 6 cum, sand 6 cum, 30 bag of cement was used. Amount received from FOCUS was used for hiring mistiri and helper. In addition to this, surrounding community also helped them as and when necessary, people worked together in helping carrying raw materials like crushed stones, cement bags etc.

The site for construction of Protection of Water Sources was selected at Vengchep Tuikhur Hnar where the beneficiaries will make most of it . During monsoon season a lot of waste debris used to flow along with it and water used to get muddy and unfit to use. Check Dam is also required for retention of water and recharging ground water.

Due to construction of Protection of Water Sources muddy water which used to be unfit for consumption become fresh and make it fit for consumption, ground water which was recharge is also used for personal needs.



Village : Bairabi North and Bairabi South
Name of VLW : Salom Lalenkawli
Activity : Protection of Water Sources

Protection of Water Sources (Check Dam) was constructed during the Financial Year 2022-2023 under CCA FIG at Bairabi North and Bairabi South. 1 unit each was allotted for these villages. FIG Members from these villages submitted requirement of Check Dam construction to the District Management Unit, Kolasib. Site verification was done by concern VLW and J.E before allotment was made by the DMU, Kolasib. After the site has been verified and accepted by the workers, allotment was made for these villages and Fund was released in Installment which is Rs. 50400/- as 1st Installment and Rs. 33600/- as 2nd Installment.

Construction of Check Dam was done at Village Reserve Area to conserve and protect water sources and prevent soil erosion at certain areas. The villagers has faced problems regarding the overflow of water from these water sources during monsoon seasons which makes the construction of Check Dam necessary at these sites. After the construction has been completed, the farmers are now able to conserve and store water for them to use on their farmland and even for human use as the village area doesnot have enough water source to provide each household throughout the year, but now they can store water using Check Dam they have constructed under the Project to be used for human consumption as PHE connection is not enough for the villagers and it has reduced water connection fees which they pay every month. they can use the water they stored at check dam to provide irrigation during the winter season for the crops they cultivated at their farmlands.

Check Dam has been constructed at Bairabi North and Bairabi South village by CCA FIG and the members as well as villagers has work hard to meet the requirement of the Project during the construction of Check Dam, and they were given estimate of check dam designed by the J.E .





ACTIVITY	: Protection of Water Source (Check Dam)
PROJECT	: FOCUS, DMU – KOLASIB
FUNDING	: International Fund for Agricultural Development
NAME OF VILLAGE	: Pangbalkawn
NAME OF FIG	: Community Reserved FIG
YEAR	: 2022-2023
Amount	: Rs. 84000/-

CCA FIG is established as Community Reserved FIG at Pangbalkawn village, 5 members of the FIG were selected from different NGO's like YMA, MHIP, and from Village Council members. The FIG members submitted their requirement letter stating their need and request of construction of Check Dam at their village reserved area to the District Management Unit, Kolasib. The Project has accepted their request and allotted 1 unit of Check Dam to be constructed to the village. Check Dam was constructed as per estimate given by the Junior Engineer, and the FIG members plays an important role during the construction of Check Dam as the site they chose cannot be easily approached by using vehicles and the materials they need for construction of Check Dam have to be carried to the site by manual labour. The FIG has received funds from the DMU in Installments. They receive Rs. 50400 as 1st Installment and after their work has been verified and approved by the VLW, they submitted Utilization Certificate to the DMU and they are sanctioned 2nd Installment which is Rs. 33600 which means a total of Rs. 84000 was sanctioned to the FIG for the completion of Check Dam.

Pangbalkawn village has faced scarcity of water every year as water connection from PHE Department is not yet available for the people of the village and their main source of water is polluted by human waste during the rainy season. They hope that construction of Check Dam will ensure water to be reserved for human use as well as the crops they cultivated at their farm lands.

The FIG members as well as the villagers are very grateful towards FOCUS, DMU Kolasib as construction of Check Dam at their Reserved Area has helped in reserving water source it was a success and they hope the Project will help in developing the farmlands of the villagers as much as possible in the coming years.





SUCCESS STORY ON IMPROVING WATER AVAILABILITY UPON CONSTRUCTION OF CHECK DAM UNDER DISTRICT MANAGEMENT UNIT FOCUS KOLASIB

PROFILE

Activity : Protection of Water Sources
Project : District Management Unit FOCUS, Kolasib
Funding : International Fund for Agricultural Development (IFAD)
District : Kolasib
Quantity of Unit received : 1 Unit (Rs 84,000)

FARMER'S PROFILE

Name of Village : Tumpui
Name of FIG : Buannel FIG (CCA FIG)
Type of Construction : Gabion Structure
Year : 2022-2023
Functional Specialization of FIG : Community Conservation Area
Location : Mangkhawnglui ,Tumpui
Benefitted Area : 20 Ha
No. of Beneficiary : 50 Nos

Activity Intervention

Protection of water sources (Check dam) was built under Tumpui Community Conservation Area (CCA FIG) fund issued was done by District Management Unit FOCUS. Protection of water sources was constructed at the intersection point of Venglai and Tumpui, Mangkhawng Lui. Mangkhawng Lui is a tributaries of Tuichhuahen all the debris waste from Mangkhawng Lui flows through Tuichhuahen and make PHE water supply for Kolasib District unfit for consumption. After construction of Check dam it block the waste debris and make water at Tuichhuahen fit for consumption.

Site Selection : Site selection for Protection of water Sources was done by CCA FIG member along with FOCUS Junior Engineer and VLW.





Figure : Site survey and selection done with proper planning.

Construction

Estimate and work plan was prepared by FOCUS Junior Engineer, following the plan CCA FIG members along with people near the community work well together and also beneficiaries worked together in carrying raw materials. DMU staff also take their part so well in monitoring.

Activity	: Protection of Water Sources
Project	: Focus, DMU-Kolasib
Funding	: International Fund for Agriculture Development (IFAD)
Name of Village	: North Chawnpui
Name of Fig	: Chepte Fig Year : 2021-2022
Amount	: Rs. 2,52,000/-
Gps	: Lat : 24.36296, Long : 92.787122

Protection of Water Sources under CCA FIG at N.Chawnpui village was taken up more than 1km away from the village. Since the location is a bit distant, transportation of the materials was really burdensome. The village of N.Chawnpui is facing water scarcity and source of water is less, there is high necessity for storing water. As there is a limit budget for construction of this activity, the location was monitored several times and finally decision was made.

The checkdam was constructed combining of 3 units. As mentioned before, the transportation of the materials has eaten up huge amount, but thinking of the necessity of checkdam for the village, it was going to be of great benefit for the community. Under JJM Mission, the PHE Dept has taken up construction of tanky containing 10000 litres. Since there is no proper inlet, there is high need to water storage. Soon after the initiation of the construction work, monsoon started. After a short gap, work has been carried on again and after the completion, it serves as a blessing for the village of N.Chawnpui.

Construction: The checkdam has RCC floor and wall. There is 2 Gabion structure at the source of water to collect unwanted debris so that only the clean and purified water can flow down the dam.

Beneficial: After the construction of checkdam, there is endless flow of water in the tanky. As there is scarcity of water in the previous days, nowadays WATSAN has been able to provide water every alternate day for each household. There is enormous flow of water for human and livestock due to the activity taken up by FOCUS Project.





Latitude: 24.36301
Longitude: 92.786903
Elevation: 133.35±72 m
Accuracy: 1456.4 m
Time: 21-03-2023 12:18
Note: chepte FiG Nchawnpur

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ACTIVITY	: PROTECTION OF WATER SOURCES
PROJECT	: FOCUS, DMU-KOLASIB
FUNDING	: International Fund for Agriculture Development (IFAD)
NAME OF VILLAGE	: PHAINUAM
NAME OF FIG	: KUMTLUANG FIG
YEAR	: 2022-2023
AMOUNT	: Rs 2,52,000/-

Kumtluang FIG under FOCUS Project was established at Phainuam village and its main objective was to construct some beneficial property for the village, and during the FY 2022-2023 Protection of water sources activity was taken up.

Protection of water sources-Checkdam was constructed at Buarchep Zau under Kumtluang FIG combining 3 units. Careful verification for the location was done with the Village Council members so that the community can benefit from it, and finally the decision was made to be taken up at Buarchep Zau.

Since the location for construction of checkdam was not far from the main road, it was monitored daily by the FIGs, the approached road was excavated by means of JCB and now proper road has been maintained.

After completion of the construction work, the farmers as well as the passers-by benefitted from it. It is used for consumption, washing vehicles and is also being taken using electric pump. It is of great success and achievement for FOCUS Project as well as for the village.



SUCCESS STORY OF PROTECTION OF WATER SOURCE CONSTRUCTED AT PHAISEN VILLAGE

Name of Activity : Protection of Water Source.
Name of Project : FOCUS
Benefitted Area : 4 ha.
Benefitted Household : 55 Household.
Amount Sanctioned : 2,52,000.
Village : Phaisen

Check Dam at Phaisen : A Check Dam was constructed between the Year 2022-2023 in the 3rd Quarter under Protection of Water Sources at Phaisen in the eastern part of the Village where the latter had a good source of fresh water. Due to the construction of this Check Dam, settlements in the eastern part of Phaisen have had a constant supply of fresh water in their water point, which goes all the way to their houses which they were unable to have especially during the hot summer drought seasons which led to settlers fighting over the right to take water from the water points. Consequently, the issue of water shortage as well as disputes between settlers was solved in a considerable on shot manner, like killing two birds with one stone.

Now, a demand for Check Dam at the Northern side of Phaisen has been sent with geotag photos attached. The designated site has also been surveyed and proposal for Check Dam has also been made by the FIG's for the consent of DMU(K).

If this proposal by the FIG's could be implemented, it will help in settling disputes that occur between settlers fighting over the right to take water from water points.



ACTIVITY	: Protection of Water Sources (Checkdam)
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International Fund for Agricultural Development
NAME OF VILLAGE	: New Diakkawn
NAME OF FIG	: FOCUS New Diakkawn
YEAR	: 2022-2023
Amount	: Rs 84,000/-

The requirement for Protection of water sources by CCA FIG was submitted to FOCUS DMU(K) after meeting was held by FIG. They agreed mutually that the location be in Buangmual water source.

After the approval of requirement submitted by FOCUS DMU(K), a fund requisition was submitted. A sanction order was released in which it was estimated to be 84,000/-. For 1st installment, Rs 50,400 was received by FIG. The Construction was started according to the estimate. The location was selected where it is most beneficial for the community.

FIG member did their best because they knew it will be beneficial for the community in the long run. They even deploy their member to collect the requirement needed to construct Check Dam. Since, the location is quite far an, many labors are being employed. 2 FIG members are being appointed to monitor the construction. Construction of Check Dam was completed after frequent monitoring of VLW, JE and SAC.

Construction of Check Dam is very beneficial for the settlers in Challui Veng. The water collected in Check Dam was taken to a community water storage using pipes. They use the water collected for man purposes like drinking, washing, etc. They also piped down the water to the community graveyard for different purposes.

Check Dam constructed under FOCUS makes the settlers near the area very happy. They are very generous to FOCUS for their contribution to the well being of their village as they have faith in the work that they have received will be of beneficial use to them in the future.



ACTIVITY	: PROTECTION OF WATER SOURCES
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International Fund for Agricultural Development
NAME OF VILLAGE	: SAIDAN
NAME OF FIG	: COMMUNITY FIG
YEAR	: 2022-2023
BENEFITTED FARMER	: 10 Household
AMOUNT	: Rs /-1,68,000

One of the important activity under FOCUS Project is construction of Protection of water sources. It helps in recharging of water sources and ground water. It also protect the water sources from debris and garbages.

In Saidan village, community FIG was established consisting of 5 members. There is a need for construction of Check Dam near community hall where there is a good water source which flows in the small community pond. Requirement was submitted to FOCUS DMU(K) by CCA FIG. A site verification was done by JE and VIW of the village and approved for construction of Check Dam and the construction was started.

For construction of Check Dam, materials like boulder, cement and cubic stones were used. It was estimated to be around 16 feet but with the effort of FIG, it was constructed to 32 feet long, 8 feet high and a breath of 4 feet.



Before construction of Check Dam, their community pond is filled with debris and garbage and the water is unfit for use by humans. Also, there is water scarcity during arid seasons.



After construction of Check Dam, the debris and garbage which used to be filled with debris and garbage is now visibly stopped by the construction of the Check Dam. It also improves the recharging of ground-water which was often loss before it was constructed. Construction of Check Dam is very beneficial for the village and they even have a reliable water source during arid seasons.

Name of Activity	: Protection of water sources (Check Dam)
Project	: IFAD (FOCUS)
Fund	: DMU (K)
Amount	: Rs. 252,000 /-
Name of FIG	: Community Reserve Forest Vairengte VC-I
Type of FIG	: Community Conservation Area
Village	: Vairengte VC-I
Location	: MautuiZau, Vairengte VC-I
GPS	: Latitude 24.503682, Longitude 92.766314
Year	: 2022-2023

MONITORING OF SITE:

Protection of Water Sources (Check Dam) has been a much needed activity in Vairengte VC-I area and after the CCA members held a meeting and send their proposal to FOCUS DMU(K). With the approval given by DMU(K), a survey was held with JE , TO (Soil) and VLW on the designated site. After estimate was made by JE and funds were released to the FIG account.

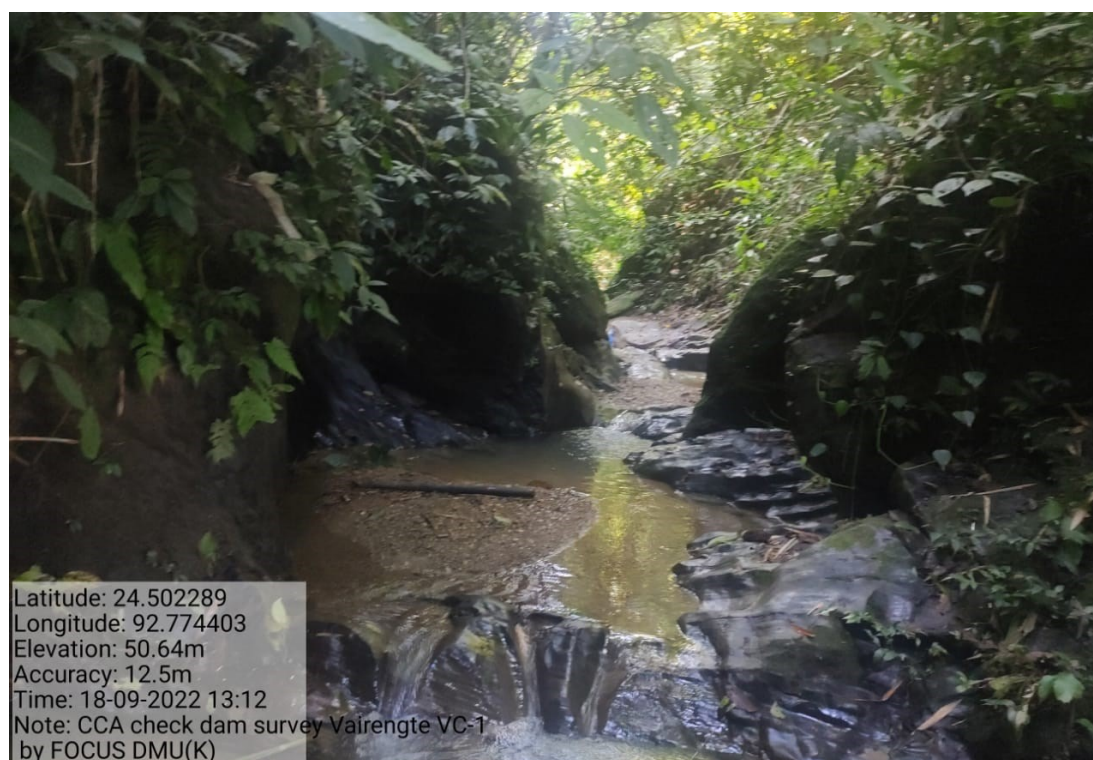


Fig: Before construction of Check Dam

NEED FOR A CHECKDAM:

The farmers near the site are mostly WRC farmers cultivating rice, rabi crops and also fish ponds in their fields. In the summer and winter seasons, water is scarce and they are often unable to cultivate crops during these harsh times. In the monsoon season, the fields are often flooded with water because of increase in the quantity of water flowing from the designated site, which results in catastrophic loss such as rice paddy flooded by water and also fish ponds being flooded causing loss of fishes from their ponds. Also, the loss of water from the site can be stored, recharging ground-water which can be use in times of water scarcity.



Fig: Before completion of work, monitoring carried out by VLW.

OUTCOME:

With SAC and VLW monitoring the construction of the Check Dam, the advantages that the Check Dam are as follows :-

1. One of the biggest issue i.e. the flooding cause by the uncontrolled flow of water from the site which causes loss of crops and fishes, also the flood deposit a large number of debris consisting of wood, twigs, branches, etc to the fields in no longer an issue.
2. Due to the Check Dam being constructed, water is now stored for use in times of scarcity which enables farmers to cultivate off-season crops which they were unable to do in earlier years. This increase their annual income which is very favourable for the farmers.
3. While this Check Dam benefitted the farmers with their crops, farmers who have livestock are also benfitting providing fresh cool to drink water.



Fig: After completion of work

CONCLUSION:

After the construction of this Check Dam a lot of farmers are benefitting from the control of water that use to just free flow in the ravine and cause a lot damage to the farms in the lower areas, becoming a valuable asset not just for the farmers in Mautuai Zau but also for the people living in Vairengte VC-I. This also prompt in understanding the importance of conserving forest and plant life to recharge and produce water sources for our needs. This Check Dam is now a great success for Vairengte VC-I with the help of FOCUS DMU(K) and to IFAD for funding the work which the people of Vaitengte VC-I are very grateful for.

ACTIVITY	: PROTECTION OF WATER SOURCES
PROJECT	: FOCUS, DMU-KOLASIB
FUNDING	: International Fund for Agriculture Development (IFAD)
NAME OF VILLAGE	: SAIHAPUI 'V'
NAME OF FIG	: PHUNCHAWNG FIG
YEAR	: 2022-2023
AMOUNT	: Rs 2,52,000/-

Phunchawng FIG under FOCUS Project was established at Saihapui V village and its main objective was to construct some beneficial property for the village, and during the FY 2022-2023 Protection of water sources activity was taken up.

The construction site was verified by the FIGs where the community will be able to make most use of it.

Checkdam was constructed using Cubic, Boulder, Cement and Balu and was head- loaded since the approached road was not good, and with utmost ability, the construction was finally completed.

Since the completion of the work, it has been of great service for the whole community. There is good source of water and therefore water is always stored in the checkdam and it has been pumped out using the pump machine. It is used for domestic purpose as well as for livestock.

It is of immense pleasure for the community of Saihapui V even though much of the time and money have been spent for this checkdam.



SUCCESS STORY ON IMPROVING WATER AVAILABILITY UPON CONSTRUCTION OF CHECKDAM UNDER DMU-KOLASIB

PROFILE :

Activity	: Construction of Check Dam (Protection of Water Sources)
Project	: FOCUS, District Management Unit- Kolasib
Funding	: International Fund for Agricultural Development (IFAD)
Name of Village	: Rengtekawn
Name of FIG	: Eden FIG (CCA FIG)
Year	: 2022-2023
Benefitted Farmer	: 15 Farmers covering 25 Ha
Benefitted	: 250 household.
Amount	: Rs.84000/unit.
GPS Location	: Lat 24.235747, Long 92.683944

ACTIVITY IMPLEMENTATION: The Site Selection is carried out by VLW And VC Members. The type of construction was carried out according to the Estimate made by Focus concerned Engineer and also according to necessities, requirement and site condition.





Fig: Site Verification by VLW and VC members.

MONITORING: Monitoring is carried out by VLW, SAC & JE During the construction and after the completion of the works.



Fig : Monitoring before completion of works

OUTCOME:

1. Construction of Checkdam results in water storage during dry season. During rainy season checkdam prevents stream erosion.
2. It improves water availability and water can be pumped back to the farmers field when dry season came.
3. Checkdam reduces water flow velocities in the channels and waterways.
4. It also helps facilitating Animal Husbandry.
5. The increase in water availability increases water use efficiency.

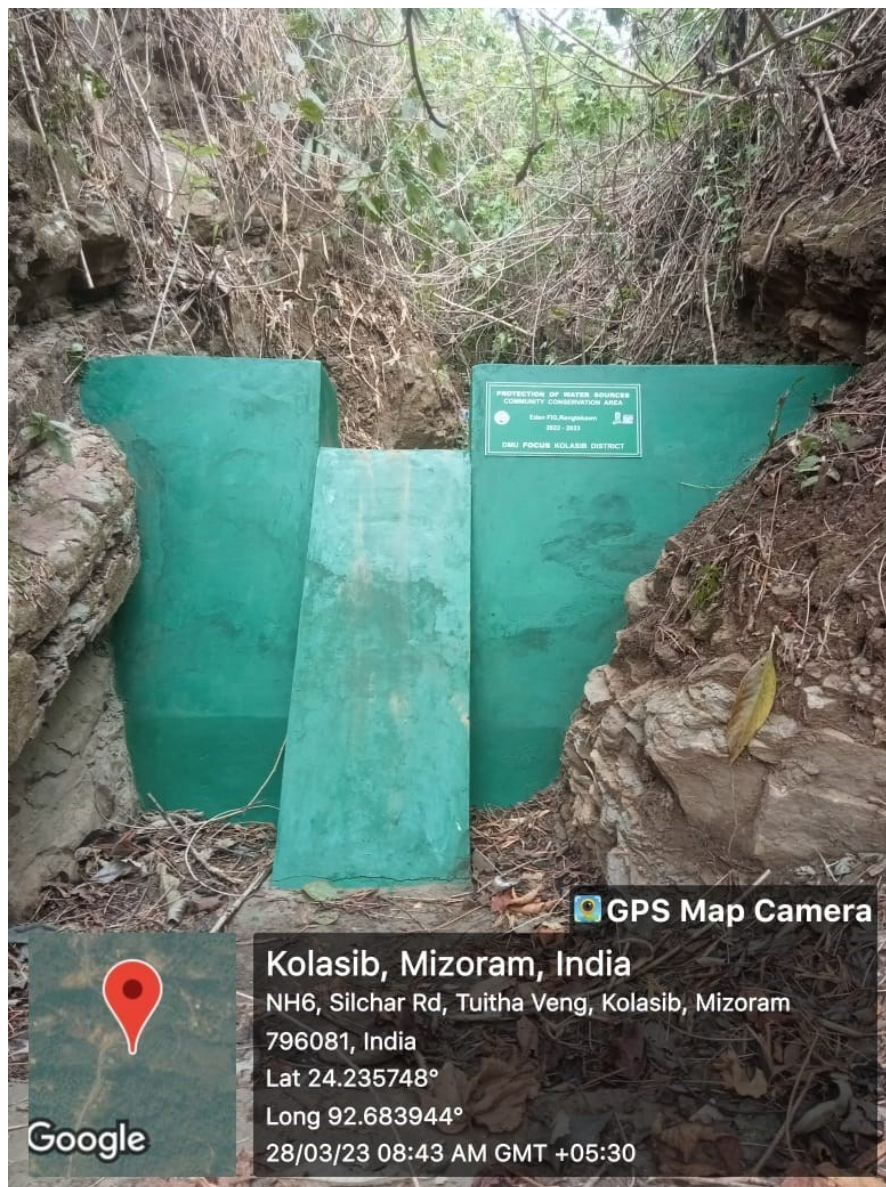


Fig: Monitoring after completion of Work.

As we know, Water is a critical input for Agricultural production and plays an important role in food Security, construction of checkdam protect water sources and the availability of water during dry season helps in cultivation of different crops in the nearby area which helps them generate income and profitability.

CONCLUSION:

Construction of Checkdam Under FOCUS is a great success as owing to the immense requirement by the villagers and its impact is seen just days after the completion of the work. And, lastly, farmers ,village council members and FIG,s are very grateful for having such a support from FOCUS,Kolasib and We, FOCUS staff also grateful for these opportunities to be apart of the IFAD project.

ACTIVITY	: Protection of Water Source (Checkdam)
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International Fund for Agricultural Development
NAME OF VILLAGE	: SAIPUM
NAME OF FIG	: CRF SAIPUM
YEAR	: 2022-2023
Amount	: Rs 168,000/-

In Saipum CCA FIG is established in the name of CRF Saipum, which consist of 5 members from VC and YMA members respectively. Check Dam is a necessity for the farmers and settlers in Saipum Village.

For the construction of Check Dam, a meeting was held and the need for a Check Dam was submitted to FOCUS, DMU(K). After survey and site verification from FOCUS, Saipum was allowed 2 units under Protection of Water Sources under CCA FIG. For 1st Installment Rs 1,00,800 was released to the FIG account and work was started. After submission of 1st Installment UC, 2nd Installment amounting to Rs 67,200 was released and work was continued.

In Saipum Village Check Dam was constructed in Luithuam, which is a small perennial river near the Village. The village doesn't have a good source of fresh water as water connections are not yet well supported in certain areas by the government. Most of their water source comes from rain-water and other river source. Therefore, a construction of Check Dam was much needed by the Village.

For the construction of Check Dam, several materials like cubic, boulder, coarse sand and cement were used, as vehicles can't reach the site where the Check Dam was to be constructed, the materials were all carried by people to the site. This results in more expenditure as head-load was not in the estimate given by the JE.

In the construction of the Check Dam, FIG leaders as well as FIG members heavily participated, some contribute in the labor while some prepares food for the workers. Consequently, with this the village is able to have a good Check Dam which benefitted the people to have a good source of fresh water which they could rely on even in the hot summer seasons when water is scarce.



PROFILE:

Activity	: Soil Fertility Measures (Slaked Lime)
Project	: FOCUS, District Management Unit
Funding Agency	: International Fund for Agricultural Development (IFAD)
Name of Village	: Vairengte VC-2
Year	: 2020-2021
Name of FIG	: Aitlanghnar zau FIG
Location	: Aitlanghnar zau

MONITORING:

Soil under Kolasib District are acidic due to various reason . If the soil is too acidic then farmers treat it with quick lime or slaked lime to neutralize the effect and make the soil neutral so that plants can grow properly. To monitor their condition VLW, SAC and Technical Officer also pay a field visit

SLAKED LIME REQUIREMENT:

Distribution of Slaked Lime :Farmers under WRC FIG cultivate rice and vegetables from day back and due to continuous cultivation of vegetables and rice , soil in their area become less fertile and not fit for cultivation as compare to year back. Fertilizer was used by the farmers but as their land are very acidic, fertilizer alone can not help them solve their problem so they are in high need of slaked lime.

ACTION TAKEN:

Knowing their condition farmers under WRC FIG are requested to collect their soil sample and with the help of VLW soil sample was collected from different localities . Which was then submitted to DAO Kolasib Soil Testing Lab and after receiving the result we came to realized that they are in need of Slaked lime . With the arrangement made by TO and DPM Slaked lime was distributed on 8. November. 2020 farmers pay their gratitude to FOCUS DMU (K) team.



Fig: Broadcasting of Slaked lime

ACHIEVEMENT:

Prior to distribution of Slaked lime leaflet was distributed among the beneficiaries which make the farmers more interested and make them aware about the importance of application of Slaked lime. After application of Slaked lime we have come to realized increase in their production , soil sample was then collected again and we have come to witness improved in their soil composition . After eye- witnessing the result of application of Slaked lime ,farmers under WRC FIG submitted their requirement and hope to received them in the future.



Fig: *Chinaithi apply hnuathlai chin*

CONCLUSION:

Last but not the least farmers under WRC FIG whose soil are highly acidic are now able to give their soil Slaked lime under Soil Fertility Management/ Measurement with the help of FOCUS, DMU , Kolasib . As a concern VLW, I as a person wants to share my gratitude to IFAD team for making arrangement.

SUCCESS STORY OF STREAMBANK EROSION CONTROL CONSTRUCTED AT DUMLUI/DUMKHAL RIVER

Name of Activity : Stream-bank Erosion Control.
Name of Project : FOCUS.
Village : Phaisen Benefitted
Area : 4 ha.
Benefitted Household : 10 Household.
Amount Sanctioned : 2,52,000.

Streambank Erosion Control @Phaisen: The Farmers having WRC areas near Dumlui/Dumkhal River have been prosperous with a constant supply of water from the latter river mentioned. However, with this constant flow of water the banks of certain curve/corner areas of some areas began showing signs of erosion which eventually led to loss of farming areas as well as destruction of farmhouses near the banks. Now, with the construction of Streambank Erosion Control at designated problem areas, the issues have been solved in certain areas. But, the need for such construction works in Phaisen is in a state of considerable emphasis.

Even now, the Streambank that have been constructed at Dumlui/Dumkhal River is playing an important role of protecting the banks of farmers land when water level rises due to heavy rainfalls.

If possible, construction of such structures is a much-needed help for the farmers who have farming lands near the banks of Dumlui/Dumkhal River.





Name of Work	: Support for Wetland Agriculture(2022-2023)
Project	: FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Funding	: International fund for Agriculture Development (IFAD)
Name of Village	: Hortoki
Name of FIG	: Reraw FIG & Reraw FIG 2
Year	: 2022-2023
Benefitted farmer	: 20 farmers covering 25 Ha.
Amount	: Rs.1,70,000/unit
Location	: Damdiai zau



During FOCUS project of FY 2022-2023 under WRC/TRC FIG called Reraw FIG and Reraw 2 FIG under Support to Wetland agriculture, Canal, water channel is made. In Hortoki village, the channel is made in RCC, there are a lot of farmlands that cut through this channel and are very useful for farmers.

The beneficiaries in Reraw FIG and Reraw 2 FIG do not have good and proper channel for water to go through their lands causing erosion and thus decided to submit requirement in DMU-Kolasib. For this irrigation channel a sum of Rs.102,000/- is sanctioned for 1st installment and after submission of Utilization Certificate a sum of Rs.68,000/- is sanctioned for 2nd installment.

In Damdiai zau, the farmers who have water tanky do not have the proper means to channel the water and thus causes a hindrance. Lotsof plains have been hackledby improper water channel and having built this proper channel has been very helpful for a lot of farmers. This channel has also helped in irrigation purposes and thus helfulin the yield of crop production for the farmers.

ACTIVITY	: SUPPORT FOR WETLAND AGRICULTURE
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International Fund for Agricultural Development
NAME OF VILLAGE	: SAIPUM
NAME OF FIG	: TEIDU SOUTH
YEAR	: 2022-2023
BENEFITTED FARMER	: 20 Household
AMOUNT	: Rs 170,000/-

WRC/TRC was established in Saipum village with 3 FIGs namely Teidu N, Teidu S and Huisih FIG. Water canal has been a need of one of these WRCs as water is needed in their fields when planting rice or their fish ponds. Even though they have a good source of water in the western most part of the area, they have been unable to divert this river using their own money as it requires a lot of money to accomplish such feats.

Due to this, the FIGs held a meeting and submitted their proposal to FOCUS DMU(K), following their proposal a site verification by the VLW and JE was initiated to the designated area accompanied by the FIG leaders of Teidu S. After a requisition was submitted.

For the construction of the water canal, 20 beneficiaries were given with Rs 5100 for each beneficiary. For the 1st installment a sum of Rs 1,02,000 was released to the FIG account. After the 1st UC was submitted with geo-tag photos of the work, 2nd installment of Rs 68,000 was again released, with Rs 3400 for each beneficiaries.

The water canal was constructed as advised by the JE's estimate, using cement, coarse sand and water-proof cement. As the site was a bit far from the road, the materials are head-loaded by labor which led to high expense and labor. As the work was pushed to finish at a earlier time due to the near coming or rain which may result in a disaster for the work which was done in places where water was flowing. However, with the FIG in full swing of their work, the water canal was completed before the due date.

The water canal which had been constructed is an integral need of the farmers, with this water canal a lot of areas which don't have access to water were reached resulting in more harvest and crop covered areas. In earlier years, rainwater was the main source of water for such areas and almost no water in the winter dry season. Therefore, with this canal certain crops which they have been unable to cultivate were now cultivated with the access of a good source of water.



SUCCESS STORY OF WRC/TRC FIG ON SUPPORT FOR WETLAND AGRICULTURE AT RENGTE LUI ZAU, KOLASIB DISTRICT

PROFILE:

Activity	: Support For Wetland Agriculture (Irrigation Canal)
Project	: FOCUS, District Management Unit-Kolasib
Funding	: International fund for Agricultural Development (IFAD)
Name of Village	: Gosen
Name of FIG	: RengteLuiZau II WRC FIG(WRC/TRC FIG)
Year	: 2022-2023
Benefitted Farmers	: 20 Farmers.
Amount	: Rs.200000 (15% Beneficiary Contribution)
Location	: RengteLuiZau at MR.Jerry.Zoremsanga's Wetland Rice
Field. GPS	: Lat 24.222696, Long 92.673422

MONITORING : After RengteLuiZau WRC Fig Committee agreed the location for constructing Irrigation Canal, VLW and Concerned Engineer carried out monitoring of the selected site and construction work went on after the concerned Engineer prepared estimation.



Fig: Monitoring of the Site





Fig: Pic shows High risk of overflow of water.



Fig: Monitoring carried out by VLW, SAC and Concerned Engineer.

POBLEM FACED BY WRC FARMERS: During rainy season, water from Rengte Lui near Mr. Jerry Zoremsanga and other nearby farmers fields were flooded heavily by the overflowing of Rengte Lui which caused serious damage to the Rice and other crops. So, in order to solve this problem, proper Irrigation canal is needed.



Fig: Planting Rice



Fig: Pic shows flooded fields

ADVANTAGE OF IRRIGATION CANAL: Irrigation Canal is constructed in the type of Brick Masonry. After completion of work, it has a great impact, not only solving the main flooding problem it also helps in distribution of water in a right proportion acquired by the crops which leads to better quality crops and greater quantity of income. Irrigation canal were built across the Rice field for irrigation purpose and alongside of the river, which prevents overflow of water.



Fig: Monitoring before completion of work

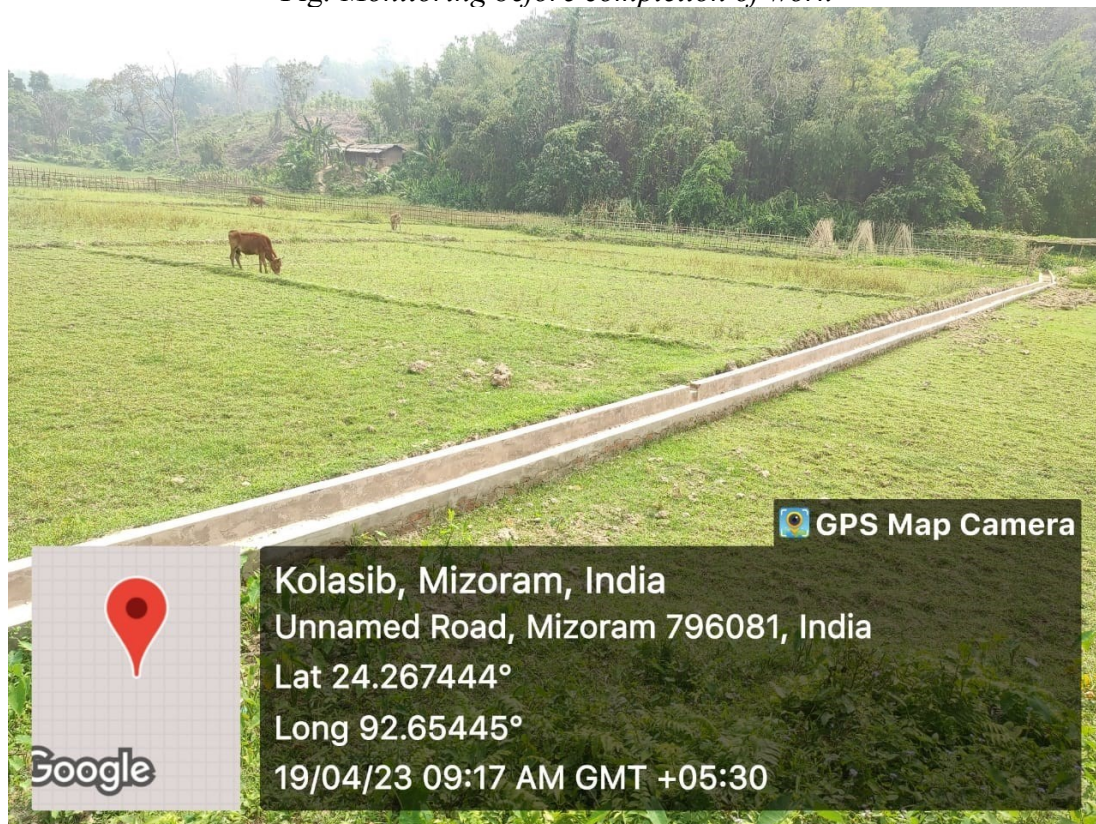




Fig: Monitoring after Completion of Work



Fig: Inspection carried out by DPM & Concerned Engineer

CONCLUSION: Construction of Irrigation Canal (Support to wetland Agriculture) under FOCUS is therefore a great success as it satisfies the needs of WRC Farmers and its good impact is seen just after completion of work. Lastly, FOCUS FIGs and FOCUS Field Staff were grateful for having such a great support and opportunities from FOCUS, DMU Kolasib and IFAD. Also, the FIGs and Village Level Workers would like to thank to Our District Project Manager and other Officials for witnessing our works at the field.

Name of Work	: WATER STORAGE & DELIVERY SYSTEM (2021-2022)
Project	: FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Funding	: International fund for Agriculture Development (IFAD)
Name of FIG	: Huapzo FIG
Year	: 2021-2022
Village	: Zanlawn
Benefitted farmer	: 20 farmers covering 25 Ha.
Amount	: Rs.1,1,650/unit
Location	: Mualzen zau



Huapzo FIG under Upland/Settled Agriculture under Zanlawn village proposed that Water Storage and Delivery System be constructed for better crop irrigation, this proposal/ requirement is submitted to FOCUS on Dt.11/4/21. After the approval from FOCUS and the sanction of funds, work is started by the FIGs.

The water storage and Delivery System(Tanky) is made with clear estimate and design by the JE. This tanky is made at Mr. Thangsanglura's plot as there is a good water source For 1st installment Rs.60000/- is given in which most of the materials needed to construct tanky is bought and for 2nd installment Rs.40000/- is given to complete the tanky. Apart from this Rs.17650/- is beneficiary contribution and since contribution for a sum of money may be hard for the FIGs, they compensate it through their works as labour.

Throughout this work, VLW and JE keep up with the progress and since the water source is good, it is very helpful for the farmers and the benefitted areas around it. Even during dry season, there is always water in this tanky and thus helps in the irrigation of crops during dry periods.

Name of Work	: WATER STORAGE & DELIVERY SYSTEM (2022-2023)
Project	: FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Funding	: International fund for Agriculture Development (IFAD)
Name of Village	: Kawnpui VC 1
Name of FIG	: Zotlang FIG
Year	: 2022-2023
Benefitted farmer	: 7 farmers covering 8 Ha.
Amount	: Rs.117,650/unit
Location	: Tuitam zau



Through FOCUS project lots of works have been done and one of this works is Water Storage and Delivery System, which is one of the main works done by farmers and most beneficial. Water Storage is given to both Upland/Orchard FIG and WRC/TRC FIG. For Kawnpui village this work is done for WRC/TRC FIG. Some of the benefits of this work are as follows.

Under Kawnpui VC 1 village WRC/TRC has 3 FIGs namely Zotlang FIG, Zotlang FIG 2 and Zotlang FIG 3 and this particular work is done in Zotlang FIG. During the selection of site for this water tanky, the location of the plot as well as the number of people

that will benefit from it are given great importance. FIG committee is held in which it is discussed and when all agree to it, requirement is then submitted to DMU-Kolasib. After approval of this requirement work is then started. The water storage and Delivery System (Tanky) is made with clear estimate and design by the JE and has a sanction for 1st installment of Rs.60000/- is given and 2nd installment Rs.40000/- is given to complete the tanky. Apart from this Rs.17650/- is beneficiary contribution and since contribution for a sum of money may be hard for the FIGs, they compensate it through their works as labour. This water tanky is expected to hold 12000 litres of water and is expected to be used by a number of farmers.

The construction of this water tanky is designed and estimated by JE and is made in RCC structure to withstand longevity and weathering. This RCC structure is covered with net so as to prevent debris and insects from falling inside. Apart from this, the maintenance and protection of this tanky falls in the hands of the beneficiaries since it is built with hard labour and huge sum of money. This water tanky is used not just for irrigation purposes but is useful to the community as well, since this tanky is along the path of farmers and their plots. The FIGs are very thankful to FOCUS as this tanky has been very useful and successful to the farmers and it has become their main source of irrigation. This tanky is expected to help crops in their yields in the future.

Name of Work	: WATER STORAGE & DELIVERY SYSTEM (2022-2023)
Project	: FOCUS, DISTRICT MANAGEMENT UNIT- KOLASIB
Funding	: International fund for Agriculture Development (IFAD)
Name of Village	: Hortoki
Name of FIG	: Tlaizawng FIG
Year	: 2022-2023
Benefitted farmer	: 20 farmers covering 25 Ha.
Amount	: Rs.117,650/unit
Location	: Kar kawng zau.



Under FOCUS, for Hortoki village in Upland/Settled FIG Water Storage and delivery System is constructed. This water tanky is constructed in Tlaizawng FIG. There are 20 members in Tlaizawng FIG and this tanky is constructed in Kar kawng zau at the start of Hortoki village. The water tanky design and estimate is along with the height and width of the tanky isdesigned by the JE.

The FIG OBs decided that requirement be submitted for construction of water tanky in DMU- Kolasib.After approval an estimate of Rs.117650/- is made.This sumof money is given in installments of Rs60000/- for 1st installment and Rs.40000/- for 2nd installment. Along with this Rs.17650/- has been estimated for beneficiary contribution.

The site selection for this construction of water tanky is made by the leaders of the FIG and VLW and, instead of keeping it at a specific plot, the beneficiaries decided that it would be the most beneficial at Kar kawng zau. This place has good water source and apart from that it is the roadway to many farm plots and thus is useful to many famers. During the construction of this water tanky, VLW and SAC keep watch of it and is very successful.

Since the water tanky has a good water source, it can be utilized when needed easily. Farm goers also use this for washing and drinking purposes and for washing of vehicles. When water is in abundance some of it is carried through pipes to other plots for irrigation.

NAME OF WORK	: WATER STORAGE & DELIVERY SYSTEM
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International fund for Agricultural Development (IFAD)
NAME OF VILLAGE	: THINGDAWL
Name of FIG	: Eden FIG
Year	: 2021-2022
Benefitted Farmer	: 5 Farmers Covering 6 Ha.
Amount	: Rs 117,650/Unit
Location	: Zophei Zau



The farmers mainly depend on rainfed for their crops. As no irrigation is done during the dry season as a result of which no seasonal crops can be cultivated during this dry period time. This shows the necessity of irrigation in order to cultivate crops throughout the year. Eden FIG is an Upland/Settled FIG in Thingdawl village. The FIG made a proposal to the District Management Unit (DMU) Kolasib on their requirement of Water storage and delivery system under Irrigation support. The DMU had approved their propose

The DMU allotted 1 unit of Water storage and delivery system (RCC Water tank) and the site for construction had been identified by the VLW and FIG. The FIG selected Lalhmangaihzuali plantation site located at Zophei Zau for construction of RCC Water tank as there is a good water source in her nearby field and withdrawing of water will be easier and also that the water tank can be easily shared with her neighbouring field covering 5 HH with a total area of 6ha.

The construction was the done by the FIG itself. A fund was released in two instalment ie Rs60000 and Rs 40000. The FIG also contributed 15 % of the total unit cost i.e,Rs 17650 in the form of manual labour. Therefore the total unit cost is Rs 117650.00. The water tank has a capacity of 12000litres.

As the water source is good and water can be drawn all-round the year, crops are cultivated throughout the year after construction of water storage and delivery system which generate more income to the farmers. The farmers no longer face problem in irrigation of the crop and the demand of water required by the plantation and crops can meet now. In this way, the Water Tank play a very important and crucial roles in improving the field cultivation and income of the farmers.

Village : Bairabi North and Bairabi South

Activity : Water Storage and Delivery System Under Upland Settled Agriculture FIG

FIG members from Bairabi North and Bairabi South village has passed that they need Water tanky to be constructed for them to share in order for them to have enough irrigation on their farmlands after they held a committee and decided to submit their requirement to the DMU, Kolasib. Site verification was done by concern VLW and J.E before allotment was made by the DMU, Kolasib. After the site has been verified and accepted by the workers, J.E and concern VLW, DMU, Kolasib has release allotment for these two villages.

After the FIG has submitted fund requisition for the work, they receive sanction order for 1st Installment which is Rs. 60000 and after their work has been monitored and found to be good enough considering the amount they receive they are given 2nd Installment which is Rs. 40000 and the beneficiaries contributed Rs. 17650 as beneficiary contribution.

At Bairabi North, Tanky (1unit) was constructed at the farmland of Mr. Vanlalruata, Thlanmual Zau, under UPLAND FIG 7, and the other unit allotted was constructed at the farmland of Mr. Lianzela Tlawngdung, under Upland FIG at Bairabi South.

These two tanky were constructed to be able to store and harvest rainwater atleast 10000litres of water as per estimate designed by the J.E. these tanky can be used and shared by 5 farmers. Beneficiaries will be able to pump the water which have been stored in the tanky to irrigate their crops.

As the farmers are already engaged in cultivation of arecanut, and other crops. They are now able to irrigate their crops using the water stored in the tanky, this will ensure maximum production of crops cultivated in their land. The farmers are now able to sell their produce at the market.





Azimuth: 33° (NE)
Pitch: -6.0° (-0.6°)
Time: 25/03/23 5:7 PM
Note: WRC FIG3
WATER STORAGE & DELIVERY
BAIRABI SOUTH

Powered by *AngleCam*

ACTIVITY	: Water Storage & Delivery System
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International Fund for Agricultural Development
NAME OF VILLAGE	: N. Hlimen
NAME OF FIG	: Huanneitu FIG
YEAR	: 2022-2023
Amount	: Rs 117,650/-

In N Hlimen Village, water storage & delivery system was constructed under Upland/Orchard FIG in which there are 3 OB and 17 members.

When the news that a water tanky can be constructed OB's held a meeting and submitted a request for construction of water tanky to FOCUS DMU(K) with documents. The need for water storage & delivery system was looked into and approved by the DMU(K) and site verification was done. Therefore, 1st instalment of Rs 60,000 was realeased to the FIG account and work was started. After 1st installment UC was submitted by the FIG's, 2nd installment was released to complete the work.

For the construction of water storage & delivery system materials such as cement, coarse sand , rod, metal sheets, ply and net were used. The construction was based on RCC construction with metal sheets as roof and a curve metal sheets on the side of the roof for harvesting rainwater, as well as nets to protect from debris. The water storage is also constructed in a way so it can be distributed to different areas using water pipes.

In the construction of this water storage & delivery system, FIG leaders as well as members participated a lot during the construction, as the location was not far from the village atleast 15 people always participated which resulted in a fast pace in the construction of the water storage.

The water storage & delivery system constructed is now used by farmers to water their crops and also as drinking water by the people living in the village who had been in a need for a good source of fresh water especially during the summer and winter seasons where water is scarce most of the time.



ACTIVITY	: WATER STORAGE & DELIVERY SYSTEM
PROJECT	: FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB
FUNDING	: International Fund for Agricultural Development
NAME OF VILLAGE	: Vengthar
NAME OF FIG	: Zolentu FIG
YEAR	: 2022-2023
Amount	: Rs 117,650/-

Zolentu FIG under Upland/Settled FIG in Vengthar require water storage in their plot of land. A meeting was held and requirement was approved and site verification was done. It was jointly approved that the water storage be constructed at Pu Lalchhandama's plot in Challui.

Water tanky 4th Quarter 2022-2023 was constructed in Pu Lalchhandama's plot in Challui. It was constructed under the monitor of FIG and VIW. According to the estimate of JE, water tanky was estimated to be about 13 feet in length, 7 feet in breath and 5 feet in height. A sum of Rs 60,000 was received as 1st installment for the construction of water storage & delivery and water was started. 1.5 feet was dug for foundation and constructed by PCC and on top of it, it was done using RCC. The VLW monitored frequently during the construction of tanky. Corrugated iron was used for the roof of the tanky. It was estimated to hold 10,000 litres of water. FIG and VLW give their best to construct water storage which will be beneficial for a long period of time. Since the location is not reachable by vehicles, beneficiary contribution of Rs 17,650 was used for head-load.

Water tanky constructed amounting to Rs 117,650/- is now benefitting atleast 5 families as well as taken to nearby farms using pipes for their crops and for consumption. As pipes can be used to take water from the tanky, many people are taking water from this tanky. People who are often scarce in water in earlier years are now having a reliable source of water, which they can rely on even in the dry seasons where water is scarce. The people are very happy with the outcome of the water storage that FOCUS have implemented through their FIG and are hoping for more if possible.



PROFILE :

Activity	: Water Storage and Delivery System Under Settled Agriculture
Funding	: IFAD
Project	: FOCUS, District Management Unit- Kolasib
Name of Village	: Vairengte VC-2
Year	: 2021-2022
Name of Fig	: Chuailo Broom 17
No of Beneficiaries	: 65 Household
Amount	: Rs.1,00,000/-

MONITORING:

Chuailo Broom 17 (Upland Settled/ Agriculture FIG) under Vairengte VC-2 submitted requirement for construction of water storage and delivery system at Harmon Veng. Farmers in this area are facing lots of problem during drought period as they have no proper tanky for storing water during rainy season. After monitoring by VLW it was witness their needs of water storage and delivery system and site selection was also done.

STEP TAKEN:

After hours and hours of meeting with Upland Settled/ Agriculture FIG leaders, at the end of the day with the help of Village Council members we could finally made a conclusion and Chuailo Broom 17 was selected to construct water storage and delivery system (Tanky). The reason we select this area was that construction of water storage and delivery system in this area can be utilized as upland tanky as well as community tanky.

Fund requisition was submitted by FIG leaders, in response to this Rs.1,00,000/- was given to Chuailo Broom 17 FIG account along with proper estimate and construction work from FOCUS, DMU (K). During construction of water storage and delivery system community around this area worked together in carrying raw materials and proper monitoring was also done by FIG leaders along with VLW.

ACIEVEMENT:

Right after construction of water storage and delivery system community in this area and farmers now have a proper place for storing water during rainy season and can utilized them during drought period. With the help of their own pipe farmers draw water from this tanky and they are now able to water their crops easily even during drought period. Income of the farmers also now increase up to 20%, farmers and people around this community are well pleased with their construction.



Fig: Water Storage and Delivery System (Tanky)

CONCLUSION:

Vairengte VC-2 wants to share their gratitude to FOCUS, DMU, Kolasib and also wants to thank IFAD team for funding us . Vairengte VC-2 after witnessing the positive result of tanky constructed at Harmon veng under Chualio Broom remaining FIG requested their requirement and are hope to received them in the future.

PROFILE

Activity	: Water Storage & Delivery System
Project	: District Managent Unit FOCUS, Kolasib
Funding	: International Fund for Agricultural Development (IFAD)
District	: Kolasib
Quantity of Unit received	: 1 Unit
Amount	: Rs 117650
Dimensions	: 4x4.2x1.2213 (LxBxH)
Construction Date	: 01/02/2023
Completion Date	: 18/03/2023

FARMER'S PROFILE

Name of Village	: Venglai, Kolasib
Name of FIG	: Sawmfang FIG-IV
Functional specialization of FIG	: Upland Settled Orchard/Agri
Year	: 2022-2023
Location	: PhariZau
GPS	: Lat : 24.277547, Long : 92.698641
Benefitted Area	: 20 Ha
No of Beneficiary	: 15 Family

BACKGROUND

Kolasib District avearage annual rainfall is 2,794 mm, when comparing it with other distreit the amount of rainfall received in our district is very low. As this is our problem we are in high need of proper tanky to store water during rainy season so that we can have a surplus amount of water for our crops during drought period.

ACTIVITY INTERVENTION

Step taken under Water Storage & Delivery System Upland Settled/Agriculture FIG, DMU Focus Kolasib 4th Quarter 2022-2023 Sawmfang FIG-IV Venglai, Kolasib was selected with 1 unit of water storage and delivery system at Pu H Lalropuia plot of land, Phari Zau , it was constructed here because surrounding farmers in this area can also utilized it by using their own pipe.

Site selection: After monitoring different area with Technical Officer and FIG members conclusion was made at this area knowing it will be benefited for majority of the FIG members.

Construction: Under supervision by Technical staff and DMU staff it was constructed and in which the whole construction was RCC. Water storage and delivery system constructed can store 10000 liters of water.



Figure : Active participation of the farmers in construction work



Figure : Regular monitoring by the DMU Staffs.



Figure : Depiction of few completed works of Water Storage & Delivery System under Upland Settled Agri/Orchard @ Venglai, Kolasib

OUTCOME/IMPACT

1. Zau member now have a proper tanky to store surplus water during rainy season.
2. They now able to grow crops not only during kharif season but also during rabi season.
3. Crops they cultivated are now in good health and in good condition.
4. After having proper place for storing water, crop production increase to 20%.
5. After having water throughout the year now they are able to grow crops even during rabi season.

ACTIVITY	: WATER STORAGE & DELIVERY SYSTEM
PROJECT	: FOCUS, DMU-KOLASIB
FUNDING	: International Fund for Agriculture Development (IFAD)
NAME OF VILLAGE	: NORTH CHAWNPUI
NAME OF FIG	: ZOPA II FIG
YEAR	: 2021-2022
AMOUNT	: Rs 1,17,650/-
GPS	: Lat : 24.355799, Long : 92.768592

Under Zopa II FIG, Upland Settled Agri/Orchard, construction of 1 unit Water Storage & Delivery System was taken up. After surveying different locations for constructing, Chepte Zau has been selected because of good water source and topography. Atleast 5 family members can benefit from this. HDPE pipes of 20 mm and 400M length was used. There is flow of water throughout the year and so the farmer will have sufficient water for irrigating the crop as well as for consumption and for domestic use.

After the construction of this tanky, the farmers were able to cultivate rabi crops and they have good production of vegetables such as tomato, bean, cabbage etc with an income of more than Rs 20000/-. As there is good inlet and outlet of water available, there is a plan for mass plantation of Arecanut starting from this year.

Ever since the construction of tanky for Settled farmers from FOCUS project, the farmers were delighted as they were able to take up their farming in a proper and more feasible manner. This Water Storage & Delivery System at N.Chawnpui serves as one of the most success achievement for the FOCUS project.



ACTIVITY	: WATER STORAGE & DELIVERY SYSTEM
PROJECT	: FOCUS, DMU-KOLASIB
FUNDING	: International Fund for Agriculture Development (IFAD)
NAME OF VILLAGE	: VAIRENGTE VC - 3
NAME OF FIG	: DILIGENT 2 FIG
YEAR	: 2022-2023
BENEFITTED FARMER	: 8
AMOUNT	: Rs 1,17,650/-

We can say that one of the most important achievements under FOCUS project is the construction of water tanky. The importance of water harvesting for farmers and its beneficial is obvious from this activity.

Since Vairengte VC-3 of Diligent 2 FIG do not have proper water storage system, site verification was done after submission of the requirements. Mr Lalramchhana's farm was approved for the construction site since there is evergreen flow of water even during the dry season.

Before the construction of tanky, the crops do not get enough water since there is shortage of water and therefore the farmers could not have good production.

Due to many obstacles, there is need for the construction of Water storage & delivery system. It was constructed as per the guidelines and with RCC Construction, it has more than 10000 litres water capacity with a roof and is covered with net to block the unwanted debris.

The farmers were also pleased with the construction as 8 households were able to benefit from this even during the dry and winter season when water is scarce, as well as it will greatly generate their farm income comparing to the previous years.



ACTIVITY : **WATER STORAGE & DELIVERY SYSTEM**
PROJECT : **FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB**
FUNDING : **International Fund for Agricultural Development**
NAME OF VILLAGE : **HMAR VENG**
NAME OF FIG : **DUMLUI FIG**
YEAR : **2022-2023**
BENEFITTED FARMER : **10 Household** **AMOUNT** : **Rs /-1,17,650**

The most important work done under FOCUS Project is water storage & delivery system. It is important to farmers regarding the importance, the usefulness and the value.

Dumlui FIG Hmar Veng village doesn't have a good water storage so they submitted a requirement for water storage. After site verification from FOCUS DMU (K), and their needs were approved. After committee of FIG, Pu Zothana plot was chosen together. There is a good source of perennial water in Pu Zothana plot.



Before construction of water storage the farmers face many problems. Insufficiency of water affect the crops which results in crop retardation. They lost their hardships and they are very pathetic.

Due to hardships faced by many of the farmers, water storage and delivery system was constructed to help the farmers dwelling in the area. The water storage was constructed according to the estimate given by FOCUS DMU (K). It was constructed in RCC which will last for a long time. The capacity of the tanky is estimated to the amount 10000 litre. The sides were covered with a shade net to protect from insects and debris. It was also constructed to harvest rainfall during monsoon.

The construction of tanky increase income of farmers. It can be utilised by 10 families and they are very happy.



NAME OF WORK : **WATER STORAGE & DELIVERY SYSTEM**
PROJECT : **FOCUS, DISTRICT MANAGEMENT UNIT-KOLASIB**
FUNDING : **INTERNATIONAL FUND FOR AGRICULTURAL DEVELOPMENT(IFAD)**
NAME OF VILLAGE : **LUNG MUAT**
NAME OF FIG : **WRC/TRC LUNG MUAT**
YEAR : **2022-2023**
BENEFITTED FARMER : **8 FARMERS COVERING 10 HA.**
AMOUNT : **RS 117,650/UNIT**
LOCATION : **BULUNG ZAU**



There are different activities carried out in Lungmuat village under FOCUS Project and one of the most important activities under Irrigation Support is Water storage and delivery system (WRC/TRC). For this activity, construction of RCC Water Tank had done. As there is a good source of water in their nearby field, but farmers always face problem in drawing water from the sources as they do not have good storage facilities due to high construction cost of water storage. So, in order to solve their problem in drawing and storage of water, the FIG's made a proposal on the Requirement of water storage and delivery system to the District Management Unit (DMU), Kolasib.

The DMU, Kolasib had allotted 1 unit @ Rs 117650.00 for Water storage and delivery system under Irrigation support to the WRC/TRC FIG Lungmuat. The fund Rs 100,000.00 had been provided by the FOCUS in two installment and Rs 17,650.00 had been contributed by the beneficiaries in the form of manual labour required during the construction work. It was constructed at Lalrinhlua field located at Bulung zau selected by the FIG with whom he can share the water storage with his neighbouring field.

After construction of Water tank the farmers are able to grow winter crops like French Bean, Cabbage as a result of which it generates more income to the farmers and supply the food nutrients required for their diet. The farmers can now meet the demand of water by their crops through this activity and face no more problem on irrigation of which they face before.

Village : Bairabi North and Bairabi South
Activity : WRC/TRC FIG

FIG members from Bairabi North and Bairabi South village has passed that they need Water tanky to be constructed for them to share in order for them to have enough irrigation on their farmlands after they held a committee and decided to submit their requirement to the DMU, Kolasib. Site verification was done by concern VLW and J.E before allotment was made by the DMU, Kolasib. After the site has been verified and accepted by the workers, J.E and concern VLW, DMU, Kolasib has release allotment for these two villages.

After the FIG has submitted fund requisition for the work, they receive sanction order for 1st Installment which is Rs. 60000 and after their work has been monitored and found to be good enough considering the amount they receive they are given 2nd Installment which is Rs. 40000 and the beneficiaries contributed Rs. 17650 as beneficiary contribution.

At Bairabi North, Tanky (1unit) was constructed at the farmland of Mrs. Lianfawni Zophai Zau, under WRC FIG 2, and the other unit allotted was constructed at the farmland of Mr. Rinawma Leitan Zau, at Bairabi South. These two tanky were constructed to be able to store and harvest rainwater atleast 10000litres of water as per estimate designed by the J.E. these tanky can be used and shared by 5 farmers. Beneficiaries will be able to pump the water which have been stored in the tanky to irrigate their crops.

Farmers are now able to cultivate winter crops using water harvested in their tanky to irrigate their crops specially in Zophai Zau, where 4 farmers successfully cultivate rapeseed they receive from Agri Department. Their income has been generated after they have enough water to irrigate their crops and they are very grateful towards the DMU, Kolasib for the help they received which they are in need of to generate their income.



Success Story Jhum to Settled Orchard

Name : Pu KD Lianthanga
FIG Name : Ms Khawthlir FIG
Village : Lungmuat
Location : Thukdial Zau

Background

Pu KD Lianthanga, is a farmer from Lungmuat, Mizoram, traditionally engaged in jhum cultivation. This practice of shifting cultivation, while deeply rooted in tradition, posed significant challenges including soil degradation and inconsistent yields. Despite his efforts, his annual income was limited to Rs 85,000, reflecting the constraints of jhum farming.

Intervention and Transformation

Pu KD Lianthanga's agricultural journey took a transformative turn in when he registered in Ms Khawthlir Farmers Interest Group (FIG) under the FOCUS project. This initiative aimed to enhance the livelihoods of farmers through the promotion of climate-resilient and sustainable farming practices.

As part of the project, Pu KD Lianthanga received high-quality planting materials such as Areca nut, Climbing wattle, and Stink bean. He began planting these in his jhum fields, setting the stage for a significant transformation in his farming methods.

Establishing the Settled Orchard

By 2022, Pu KD Lianthanga had transitioned his 2-hectare farm, located east of Lungmuat, into an Upland/Settled Orchard. His farm now has around 1000 Areca nut trees, marking a departure from the traditional shifting cultivation to a more sustainable and productive settled orchard system.

Financial Upliftment

The shift to settled orchard farming has had a remarkable impact on Pu KD Lianthanga's income. His earnings have increased from Rs 85,000 per year under the jhum system to Rs 1,25,000 per year with the new farming approach. This increase in income has provided him with greater financial stability and improved his quality of life.

Diversification and Additional Income

In addition to Areca nut trees, Pu KD Lianthanga has diversified his farm by planting other high-value crops such as Mustard, Turmeric, and Beans. These additional crops not only contribute to soil health and biodiversity but also generate extra income, further enhancing his economic resilience.

A Model of Sustainable Farming

Pu KD Lianthanga's transition from jhum cultivation to a settled orchard stands as a testament to the effectiveness of sustainable agricultural practices. His success story serves as an inspiration to other farmers in the region, demonstrating the potential for increased productivity and environmental sustainability through the adoption of climate-resilient farming systems.

The support and resources provided by the FOCUS project have been instrumental in this transformation, helping Pu KD Lianthanga move away from the unsustainable practice of shifting cultivation to a more stable and profitable farming method.



Latitude: 23.96089

Longitude: 92.78054

Elevation: 65.34mm

Accuracy: 4.75 m

Time: 12-06-2024 07:49:13

Note: KD Lianthanga, Khawthlir FIG, Lungmuat

Success Story Jhum to Settled Orchard

Name : Pi Laldawngliani
Location : Bukpui, Mizoram
FIG : Jhum 3 Farmers Interest Group
Location : Thingmunzawl Ram
Farm Size : 1.5 hectares

Pi Laldawngliani, a dedicated farmer from Bukpui, Mizoram, traditionally engaged in jhum cultivation. This age-old practice of shifting cultivation involved clearing a new plot of land each year, leading to unsustainable farming practices and fluctuating incomes. Despite her hard work, the limitations of jhum cultivation meant her annual income was capped at Rs 75,000.

Intervention and Transformation

Pi Laldawngliani's life took a significant turn when she was enrolled in the Jhum 3 Farmers Interest Group (FIG) under the FOCUS project. This initiative aimed to foster climate-resilient upland farming systems, offering farmers like her a pathway to more sustainable and profitable agricultural practices.

Through the project, Pi Laldawngliani received high-quality planting materials, including Areca nut, Banana, and Climbing wattle. Equipped with these resources, she began transitioning her jhum land into a more stable and productive settled orchard.

Establishing the Settled Orchard

By 2022, Pi Laldawngliani had successfully upgraded her 1.5-hectare farm to an upland/settled orchard. Located just 5 km from Bukpui, her farm now boasts 800 Areca nut trees. The transformation from shifting cultivation to a settled orchard marked a significant milestone in her farming journey.

Financial Upliftment

The impact of this transition on Pi Laldawngliani's income has been profound. From an annual income of Rs 75,000 during her jhum cultivation days, she now earns Rs 1,10,000 solely from her Areca nut trees. This consistent and sustainable income stream has provided her with financial stability and improved quality of life.

Diversification and Additional Income

In addition to Areca nut, Pi Laldawngliani has strategically intercropped her farm with other cash crops, including Banana and Climbing wattle. These additional crops not only enhance the biodiversity of her farm but also contribute to her overall income, further strengthening her economic resilience.

A Model of Sustainable Farming

Pi Laldawngliani's journey from jhum cultivation to a settled orchard is a testament to the transformative power of sustainable agricultural practices. Her success story serves as an inspiration to other farmers in the region, showcasing the benefits of adopting climate-resilient farming systems.

The FOCUS project has not only uplifted her economically but also paved the way for a more sustainable and environmentally friendly approach to agriculture in Mizoram. Through her hard work and the support of the FOCUS project, Pi Laldawngliani has become a beacon of hope and a model of agricultural success in her community.



Latitude: 24.088213
Longitude: 92.795878
Accuracy: 300.0 m
Time: 06-08-2024 10:08
Note: Laldawngliani

Success Story Shifting Cultivation to Settled

Name : Lalthathanga
FIG Name : Ms Khawthlir FIG
Village : Lungmuat
Location : Belte Zau

Pu Lalthathanga, a resident of Lungmuat in Mizoram, was once a jhum cultivator, relying on shifting cultivation for his livelihood. This traditional farming method, though historically significant, often led to unstable yields and environmental degradation. Like many in his community, Pu Lalthathanga faced the challenges of low productivity and income instability.

Intervention by FOCUS Project:

Pu Lalthathanga became a part of the FOCUS (Fostering Climate Resilient Upland Farming Systems) project. This initiative aimed to support farmers in adopting more sustainable agricultural practices. Through the project, he was registered with Ms. Khawthlir FIG (Farmers Interest Group), marking the beginning of a transformative journey.

Transformation and Training:


As a member of the FIG, Pu Lalthathanga received quality planting materials, including Areca nut, beans, and papaya. He began incorporating these crops into his jhum cultivation. The support didn't end there; the FOCUS project also provided training on sustainable farming techniques, which gradually led to an upgrade from shifting cultivation to a Settled/Upland Orchard in 2022.

Establishment of a Sustainable Orchard:

Pu Lalthathanga's farm, spread over 2 hectares and located 2 km north of Lungmuat, now boasts around 1,000 areca nut trees. Alongside these, he has also planted papaya and beans, diversifying his crop production. This diversification not only improved the farm's productivity but also ensured a steady income throughout the year.

Economic Impact:

The shift to a settled orchard significantly boosted Pu Lalthathanga's income. Previously, as a jhum cultivator, his annual income was Rs. 85,000. With the new farming practices, his yearly income has risen to Rs. 1,25,000. This increase is a testament to the success of the sustainable farming methods introduced by the FOCUS project.

A photograph of a man standing in a dense tropical forest. The man is wearing a light-colored short-sleeved shirt and dark shorts. He is surrounded by lush vegetation, including large palm-like plants with long, feathery fronds. The ground is covered with fallen leaves and branches. The overall scene is a dense, green forest.

Latitude: 23.97753
Longitude: 92.77754
Accuracy: 300.0 m
Time: 10-06-2024 10:08
Note: Lalthatanga

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SUCCESS STORY SHIFTING CULTIVATION TO SETTLED

Name: Thangliana

FIG Name: June 3 FIG

Village: Bukpui

Location: Ralbawmtlang

Transitioning from Shifting Cultivation to Sustainable Farming

Pu Thangliana's journey exemplifies the transformative power of sustainable agricultural practices. For years, Pu Thangliana engaged in jhum cultivation, a traditional method of shifting cultivation that involves clearing and burning forest land to grow crops. While this method has been practiced for generations, it posed challenges such as soil degradation, reduced yields, and environmental concerns.

Embracing Change with the FOCUS Project

Pu Thangliana's practice took a significant turn for the better, thanks to the intervention of the FOCUS project. Recognizing the need for more sustainable farming methods, the project enrolled him in the Jhum 3 FIG (Farmers Interest Group). Through this initiative, he received high-quality planting materials, including Areca nut, Banana, and Climbing wattle. With these resources, he began transforming his jhum fields into a more stable and productive farm.

Establishing a Sustainable Orchard

With the support of the FOCUS project, Pu Thangliana eventually transitioned from shifting cultivation to establishing an Upland/Settled Orchard in 2022. His farm, spanning approximately 2 hectares and located 4 km from Bukpui, now boasts 1,000 areca nut trees. This significant shift has not only enhanced the sustainability of his farming practices but also increased his income remarkably.

Financial and Environmental Benefits

Before the intervention, Pu Thangliana's annual income from jhum cultivation was around Rs 85,000. Today, his areca nut trees alone generate a steady yearly income of Rs 1,30,000. This substantial increase has significantly improved his family's quality of life. Additionally, by abandoning shifting cultivation, he has contributed to the preservation of the local ecosystem, reducing deforestation and promoting soil conservation.

Diversification and Additional Income

To further maximize the productivity of his land, Pu Thangliana intercropped his areca nut trees with Sichuan pepper and French beans. This diversification strategy not only optimizes land use but also provides him with additional sources of income. The Sichuan pepper and French beans flourish under the canopy of the areca nut trees, demonstrating the effectiveness of integrated farming systems.

A Model for Success

Pu Thangliana's journey from a traditional jhum cultivator to a successful orchard farmer is an inspiring example for other farmers in Mizoram and beyond. His story illustrates the potential of sustainable agriculture to improve livelihoods, enhance food security, and protect the environment. With continued support and the adoption of best practices, farmers like Pu Thangliana can lead the way towards a more sustainable and prosperous future for agriculture in the region.

Pu Thangliana's success is a testament to the positive impact of the FOCUS project and the resilience and adaptability of farmers when provided with the right resources and support. His flourishing cultivation stands as a beacon of hope and a model for sustainable farming in Mizoram.

SUCCESS STORIES SHIFTING TO ORCHARD

Name : Rammawii

FIG Name: June 3 FIG

Village : Bukpui

Location : Herhvalilawn

Mrs. Rammawii's journey from a jhum cultivator to a successful sustainable farmer is a testament to the transformative power of agricultural innovation and community support. Her initial involvement with jhum cultivation, a form of shifting agriculture traditionally practiced in Mizoram, was a challenging endeavour due to its labour-intensive nature and the environmental concerns associated with it. However, the intervention of FOCUS marked a turning point in her life. By joining the June 3 Farmers' Interest Group (FIG), she gained access to resources and knowledge that enabled her to transition to a more sustainable and profitable form of agriculture. Under the activity "Supply of Quality Planting Material" she was given a supply of planting materials among which Areca Nut gave an astounding result in her farmland. This assistance from the project helped her abandon her shifting cultivation to a more sustainable and a better source of income.

She was eventually upgraded to Upland/Settled Orchard in 2022 which was a significant milestone for Mrs. Rammawii, allowing her to a settled and permanent cultivation of areca nut, a crop known for its economic viability and suitability to the local climate. The strategic location of her farm, approximately 9 km from the Bukpui area, offers a conducive environment for the growth of about 1200 areca nut trees spread across her 2.5 Ha farm. The integration of Sichuan pepper trees among the areca nut trees is a clever agroforestry practice that not only optimizes land use but also enhances biodiversity, which is crucial for ecological balance and pest management.

Moreover, the cultivation of soybean during its appropriate season serves as an additional source of income for Mrs. Rammawii, further diversifying her agricultural portfolio and providing financial stability. This crop rotation practice enriches the soil by fixing nitrogen, thus improving the fertility of the land for subsequent crops. Mrs. Rammawii's success story is not just about her individual achievements but also reflects the collective effort of the community and the impact of sustainable agricultural practices on the livelihoods of farmers. It serves as an inspiring model for other farmers in Mizoram and beyond, demonstrating the potential for economic growth and environmental stewardship through innovative farming techniques.



Latitude: 24.091943
Longitude: 92.794944
Accuracy: 1900.0 m
Time: 06-08-2024 10:04
Note: Romawii

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SUCCESS STORY SHIFTING TO SETTLED

Name : Thangliani
FIG Name : Ms Khawthlir FIG, Lungmuat
Village : Lungmuat
Location : Dumlui Zau

Pi Thangliani, a dedicated farmer from Lungmuat, Mizoram, used to practice jhum cultivation, a traditional form of shifting agriculture. Each year, she would clear patches of forest land to cultivate crops, a method that, while traditional, posed significant challenges including soil degradation and environmental impact.

Intervention by the FOCUS Project:

Pi Thangliani became part of the FOCUS (Fostering Climate Resilient Upland Farming Systems) project. She got enrolled in Ms Khawthlir Farmers Interest Group (FIG), through which she received quality planting materials such as Areca nut, Banana, and Climbing wattle. This support marked the beginning of her journey towards more sustainable agricultural practices.

Transition to Settled Orchard:

With the guidance and resources provided by the FOCUS project, Pi Thangliani began planting these high-quality materials in her jhum land. By 2022, her efforts were recognized, and she successfully transitioned to an upland/settled orchard system, allowing her to move away from the less sustainable shifting cultivation.

Farm Development:

Pi Thangliani's farm, spanning 2.5 hectares and located 3 km east of Lungmuat, has seen remarkable development. With the establishment of a link road, her farm became more accessible, facilitating easier transport of goods and resources. Today, her farm boasts 1,200 areca nut trees, alongside which she cultivates Brinjal, mustard, and beans. These additional crops have diversified her income sources and improved her financial stability.

Economic Impact:

The shift from jhum to settled farming has significantly boosted Pi Thangliani's income. Her annual earnings have increased from Rs 80,000 during her jhum cultivation days to a substantial Rs 1,20,000 with her settled orchard. This increase not only reflects the higher productivity and sustainability of her new farming methods but also showcases the tangible benefits of the FOCUS project interventions.

Community and Environmental Impact:

The success of Pi Thangliani's farm has had a ripple effect in her community. The transition to settled farming has led to a decrease in the distribution of jhumland by Village Councils from 30% to 20%, highlighting a community-wide shift towards more sustainable agriculture. This reduction in shifting cultivation helps in preserving the environment, reducing deforestation, and promoting soil conservation.



Latitude: 23.96934

Longitude: 92.78619

Accuracy: 3.0 m

Time: 06-08-2024 14:08

Place: Thangliani, Khawthlir FIG

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Latitude: 24.092241
Longitude: 92.798991
Accuracy: 1700.0 m
Time: 06-08-2024 10:23
Note: Tangliana