

# ADRA-Myanmar

## Lesson Learned From Aquaculture Approach In Labutta

# SCALE-UP Project

**Duration : :16 June 2011 to 15 June 2014**

**Coverage Area: : 33 villages**

**FUNDED BY: : LIFT**

# Implementing Activities of SCALE-UP Project

- **Aquaculture Activity**
- **Product Development and Value Chain Activity**
- **Forestry Activity**

# **SCALE-UP Project**

- **June 2011 to December 2012 (with ECO-DEV)**

**ECO-DEV** (Aquaculture and Forestry Sectors)

**ADRA-Myanmar** (Product Development and Value Chain Sector)

# SCALE-UP Project

- **January 2013- June 2014**

**ADRA-Myanmar**

( Aquaculture, Forestry, Product Development  
and Value Chain)

# **AQUACULTURE ACTIVITY**

- **Targeted Ponds - 50 Ponds**
- **Constructed Ponds - 26 Ponds**
- **Implemented Ponds - 8 Ponds**

# Results Of Aquaculture Activity

- Implemented Ponds – 8 Ponds
- Good Results Ponds – 3 Ponds

## Main Factors Of Failure

- Different Location, Different Site Selection, Different Water Quality
- Different Basic Skills, Different sense of ownership, Different Source of Raw
- We had same supported technical guide line and materials to all ponds, profit/ lost must appear depend on their ability

# Mangrove Friendly Aquaculture Pond Measurement

- **Embankment**  
Length (396 x 220)' Top Width 3', Bottom Width 10', Height 6'
- **Mangrove Area ( 5 Blocks)**  
Length (154 x 52)'
- **Bamboo/Net Fencing**  
Length (366 x190)' Height 5' (under ground 2.5', in air 2.5')
- **Internal Drain**  
Length 154' Width 18' Depth 4'
- **Drain**  
Length 366' Width 18' Depth 4'
- **Sluice Gate** (Wooden , Net gate and bamboo fence )  
Length 18' Height 8' Depth 4'



# Mangrove Friendly Aquaculture Pond Design



# Lesson Learn Of Aquaculture Activity

## **Difficult to get Pond Area ( Agri or Forest Land)**

- They haven't get suitable land for pond area
- They had request to the communities to sell or to donate for pond area
- They had constructed ponds upon communities selling or donation area
- We need to select pond area mainly depend on technical point of view

# Lesson Learn Of Aquaculture Activity

## **Some Aquaculture Ponds are very close with rivers or creeks**

- Embankment can easily broken by tide and water waves, water can be through high tide day, embankment can be hole because of eels.
- We had constructed river side embankment to be strong other sides.
- Aqua pond should be construct at least far 50 feet from river and 20 feet from creek.
- Although aqua pond construction near water is good, need to consider side effect.
- Site selection is the most important part of the aqua culturing.

# Lesson Learn Of Aquaculture Activity

## **There is no reason of less growth weight of shrimp**

- We had checked water quality with technical parameter.
- Some aquaculture pond can't culture marine species at rainy season (Mostly Hlwa Zar village tract's salinity is 0ppt)
- For Hlwa Zar village tract, they should culture fresh water species at rainy season.
- As soon as project starting, need to check water quality and water situation of implementing area, and then should select suitable species.

# Lesson Learn Of Aquaculture Activity

## Market Price Fluctuation

- Crab price decrease until 50% of normal rate when start harvesting
- Re-putting to the pond, connect with local buyer for crab selling
- Crab survival rate decrease because of stress and shock
- Need to sent to market urgently after harvesting
- Need to harvest between culturing period, if not survival rate must be decrease
- At mud crab culturing, must be need to connect with wider market before harvesting time

# Reasons Of Aquaculture Group Members Reducing

- They can't get daily/weekly income from aqua pond
- Aquaculture ponds can't get currently livelihood income, so they can't wait long term
- Some persons did not work other income source and they had rely on only to aquaculture pond

# Lesson Learn Of Aquaculture Activity

## Unsuccessful Collective Approach

- Collective approach is difficult to handle the whole culturing process (no unity, doubtful each other, forming small group between them and secret checking )
- We had on going activity with interesting persons, they approved to leave from aqua group that less contribution person because of their wish.
- We had found success profit from a little group members that willingly interest persons.
- Need to select one person who is good interesting and contribution and implement model culturing .
- If they culture individual, they will get all of profit/lost. So they may be try not to lose any factors for this culturing.
- When make project implementation, need to consider location, situation, interesting and local livelihood.

# MESSAGES TO ATTENDANTS

- If you will consider aquaculture activity in your proposal, you should request advice from aquaculture expert and need to consider local real situation.
- If your project including aquaculture activity, firstly you should train to improve technical knowledge to community.



**Thanks For Your Time**