

Success stories of West Tripura District



Creation of livelihood opportunities through 500 Farm Ponds, 100 Duck houses and 100 units of bower system for vegetable cultivation around Farm Pond in West Tripura District during FY2018-19 & 2019-20.

Objective:

- ❖ To create livelihood opportunities through pisciculture.
- ❖ To improve irrigation facilities during dry season by rain water harvesting.
- ❖ To develop water conservation areas and flood resilient structures.

Status

Out of 500 farm ponds, **246 farm ponds** taken up during **FY 2018-19** and 112 has been completed. Remaining **254 farm ponds** will be taken up during **2019-20 FY**. 112 farm pond will be able to store approximately **5.60 crore gallons** of water in the coming rainy season.

100 duck houses and 100 units of bower systems will be taken up during **2019-20 FY**. **42** duck houses are under construction.

4,497 MGNREGA job card holders worked in the created water bodies.

2,92,800 person-days generated in 112 completed farm pond.



Project Cost:

- ❑ Average estimated cost of farm pond of 0.40 acre = Rs. 5.0 lakh.
- ❑ Approved estimated cost of duck house = Rs. 0.96 lakh
- ❑ Approved cost of bower system = Rs.700 per square meter.
- ❑ Overall project cost is approximately Rs. **28 crores**

Convergence:

Only technical convergence with line departments like Fishery, ARDD, Agriculture and TTAADC.

Beneficiaries:

From the SHGs of NERLP (presently NRLM)

IMPACT :

500 vulnerable families (Job Card Holders) will be highly benefited by integrated fish farming in 500 Farm ponds. Generally mixed pisciculture is observed in rural fish farming using fingerlings of Rohu, Katla, Mrigal, Grass Carp, Silver Carp etc.

Cost benefit analysis of scientific pisciculture (3 layers) in 0.40 acre farm pond per annum is as follows-

- i) Expenditure for 1500 fingerlings @ Rs.10/- = Rs.15,000.00
- ii) Expenditure for food & maintenance(LS) = Rs.15,000.00

Total= Rs.30,000.00

- iii) Avg. income from selling of fish (900kg @350/kg)=Rs.3,15,000.00

Net Income=**Rs.2,85,000.00**

IMPACT :

- ❑ It is estimated that approximately **5.0 lakh gallons of water can be retained by 1 kani (0.40 acre) pond (of volume 2446 cum).**
- ❑ **500 farm ponds** will preserve approximately **25 crore gallons of water.**
- ❑ Vegetable cultivation through bower system will increase productivity of land.
- ❑ Duckery will generate additional income for the beneficiaries.
- ❑ Flood protection through creation of water bodies will control surface runoff and minimize soil erosion.
- ❑ Creation of water bodies will develop irrigation facilities for dry season and will also ensure ground water recharge.





Contour Staggered Trench Plantation in Atharamura Hills under “ Jal Shakti Abhiyan”- Impact Analysis

Name of the Plantation: 20.0 ha AR Misc Plantation predominantly by seedlings of Longchak/Tree beans (*Parkia javanica*) Kathal (*Artocarpus heterophyllus*), Arjun (*Terminalia arjuna*), Bamboo (*Bambusa sp.*) etc

Primary objective of the plantation: To study the impact of the plantation on ground water recharge and impact of the soil-water status before and after the plantations.

Design of the Plantation: Staggered trench in contour. Trench to trench spacing:

Size of each trench: Length = 3' x Width 1' x Depth = 1'

Spacing between lines: 3 mt x 3 mt

Trenches were not dug in steep slopes beyond 1/60 due to loose soil condition.

Description of the site: The areas selected for this plantation is an abandoned *jhum* area of two year old. Thus the area is degraded with primary succession of *Saccharum sp.*, wild banana suckers and other weeds. Due to *jhuming*, the remnants of stumps of trees clear-felled in the process are exposed and this traditional practice of agriculture exposes the top soil and in no condition good for soil and soil-water health of the area.



Impact Analysis: 15554 trenches of size 3' x 1' x 1' retained 46,662 cft water. More than 1 lakh cft of water retained in the area for percolation. Rate of runoff reduced.

Impact on the health and growth of the seedlings planted: The saplings planted with staggered trench have better growth due to availability of water through percolation. Is indicated with the fresh flush of leaves and branches seen after planting.

All the benefits are accrued by the Jhumia House Holds in that area. And the planting of species like Longchak and Kathal were by their choice.

Inference:

Such plantations has direct impact on social, economic and environmental status of that area. The *jhum* areas are also reclaimed in this way of plantation reducing runoff



Scheme: MGNREGA, 2019

Total Sanctioned Amount: Rs.29,84,020.00

Person-days generated: 2081 unskilled and 2000 semi-skilled

Name of the Implementing Agency:
Teliamura Forest Sub-Division.

Mixed Plantation in land of 118 FRA (RoFR) Beneficiaries during 2018-19 & 2019-20 in financial convergence with beneficiaries in Dumburnagar Block, Dhalai District.





Objective:

- I. Create sustainable livelihood opportunities.
- II. To improve land use pattern and soil conservation.
- III. To develop ownership through beneficiary contribution in MGNREGS.

Target:

50 plantation projects in 2018-19 FY and **68** Plantation projects in 2019-20 FY .

Beneficiaries were derived from SHGs under NRLM having land.

Status:

118 projects implemented successfully. Areca nut plantation along with intercropping pineapple, mixed vegetables.

Beneficiaries contributed the cost of planting materials and lands have been developed using MGNREGA fund.



- Technical guidance received from SeSTA associated with TRLM and PO took major role to motivate beneficiaries for their contributions.
- Total 118 beneficiaries of 19 VCs under Block have benefitted.
- Lands have been developed by terracing suitable for areca nut, plantation.
- As Areca nut gives return after 7 years, intercropping with pineapple and seasonal vegetables was done to get early incomes.



Impact:

- The development of ownership lead to successful implementation of the project.
- Earlier also PO had taken similar initiatives with seedlings from PDF and wage component from MGNREGS, but the projects failed due to lack of monitoring and ownership.
- But in these projects, survival rate of Plants is above 95% due to financial convergence from beneficiary's end. Beneficiaries are taking care of plantation works very effectively and they have already started earning from the projects.
- PO has received many applications from others Job Card holders for adopting this kind of plantation model in their lands in planting season only.
- PO initiated such plantation activities to wean tribal beneficiaries away from *Jhum* cultivation (Shifting) and provide them with a stable means of income.



Impact:

- The first project was implemented in the land of Archana Chakma- a member of Ujjei SHG of Laxmipur Village committee.
- She met the cost of 1,400 Areca nut seedlings through loan from SHG fund.
- Her success encouraged other beneficiaries like Manika Chakma, Monu Mog, Trinijay Reang etc.
- Smt.Monu Mog of Chendamani SHG purchased 600 Areca nut seedlings and 3,000 Pineapple saplings with a cost of Rs.10,800/-
- She has already earned Rs.35,000 by selling intercropped vegetables. She will earn Rs.15,000/- per annum for next 3 years from Pineapple and Rs.1.20 lakh per annum from 7th year onwards through Areca nut.

Impact

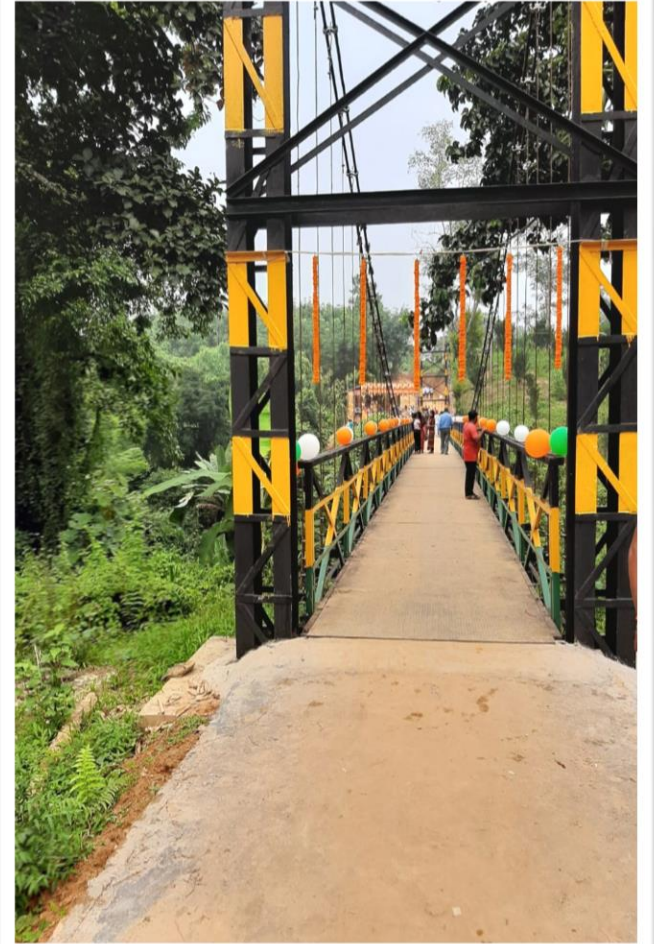
- Unakoti district has replicated the successful model of financial convergence with beneficiary in Gournagar Block where 56 plantation projects have been taken up on individual land in 9 GPs of the Block.
- Species taken up are areca nut, agar, banana and lemon





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Photographs of Durable Assets Created under MGNREGS

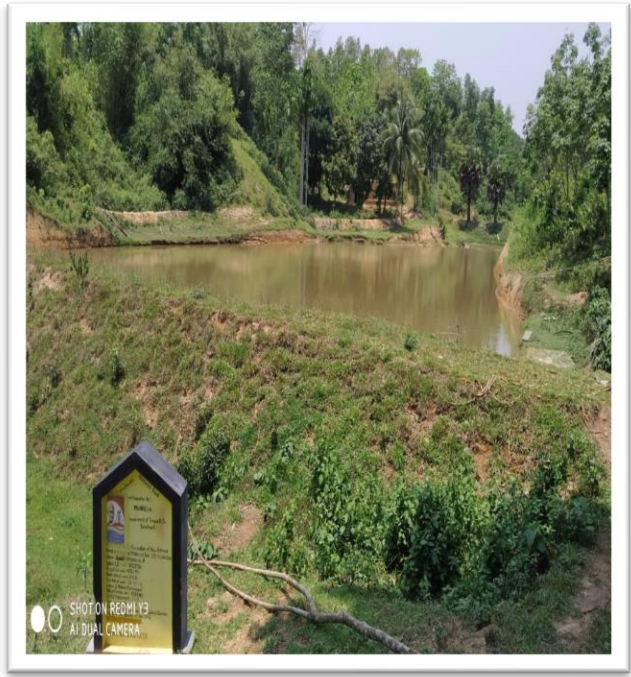




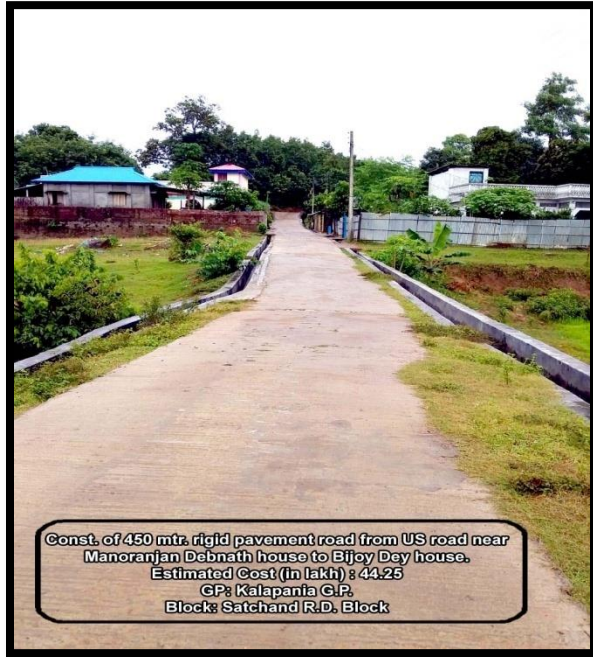
Name of Work: Construction of Farm Pond
GP: Tepania,
Block: Tepania
District: Gomati



Name of Work: Construction of Farm Pond
GP: Halhali
Block.: Durgachowmuhani
District: Dhalai



Name of Work: Construction of Farm Pond
GP: Jowalikhamar
Block: Matarbari RD Block
District: Gomati



Const. of 450 mtr. rigid pavement road from US road near Manoranjan Debnath house to Bijoy Day house.
Estimated Cost (in lakh) : 44.25
GP: Kalapania G.P.
Block: Satchand R.D. Block

Name of Work: Construction of Cement Concrete Road with permanent side drains
GP: Kalapania, Block: Satchand
District: South Tripura



Const. of Box Culvert (2x2) mtr. near the house of Indrajit Banik
Estimated Cost (in lakh): 10.45
GP: Damdama G.P.
Block: Satchand R.D. Block

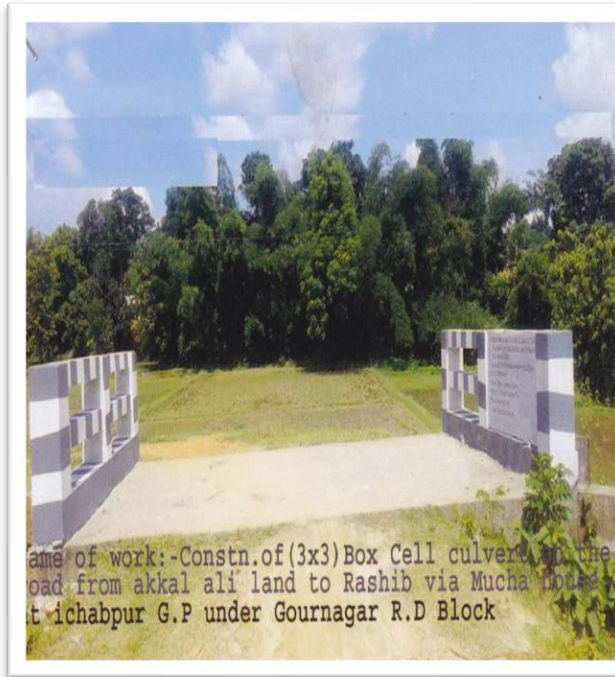
Name of Work: RCC Box Culvert
GP: Damdama
Block: Satchand
District: South Tripura



Name of Work: **Upgradation of Rural Haat**
GP: Manikpur,
Block: Monu
District: Dhalai



Name of Work: Construction of Rural Haat
GP: Gournagar
Block: Gournagar
District: Unakoti



Name of work: -Constn.of (3x3) Box Cell culvert on the road from akkal ali land to Rashib via Mucha Doua at Ichabpur G.P under Gournagar R.D Block

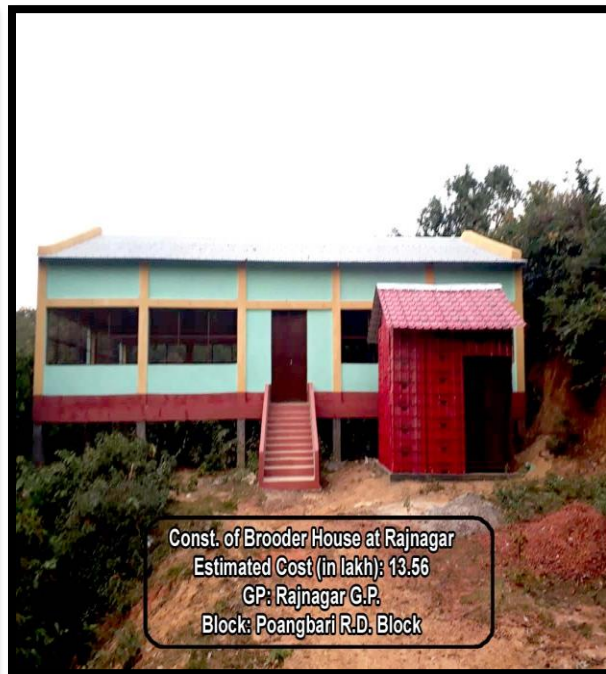
Name of Work: RCC Box Culvert
GP: Ichabpur
Block: Gournagar
District: Unakoti



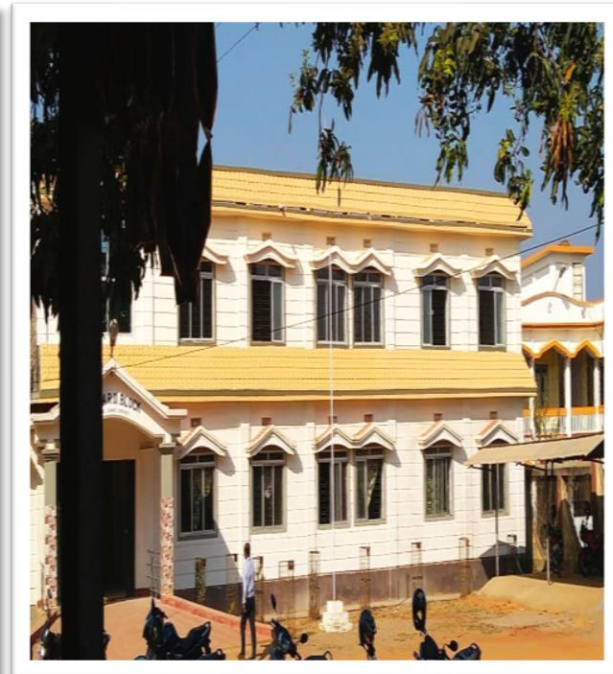
Name of Work: Const. of Panchayat Ghar
GP: Shantir Bazar
Block: DurgaChowmuhani
District: Dhalai



Name of Work: Const. of Brooder House
GP: Srinagar
Block: Poangbari
District: South Tripura



Name of Work: Const. of Brooder House
GP: Rajnagar
Block: Poangbari
District: South Tripura



Name of Work: Const. of Block level
BNRGSK Building at Block office premises.
Block: Tepania
District: Gomati



Name of Work: Areca Nut Plantation
GP: Unakoti VC,
Block: Gournagar
District: Unakoti



Name of Work: Areca Nut Plantation
GP: Deoracherra VC
Block: Gournagar
District: Unakoti



Name of Work: Irrigation Channel
GP: Bhoomracherra VC
Block: Amarpur
District: Gomati



Name of Work: Earthen Check Dam
GP: Dhanlekha VC,
Block: Ompi
District: Gomati



Name of Work: River Bank Plantation
GP: Rangauti
Block.: Gournagar
District: Unakoti



Name of Work: Road side Plantation
GP: Kakulia Range
Block:Jolaibari
District: South Tripura



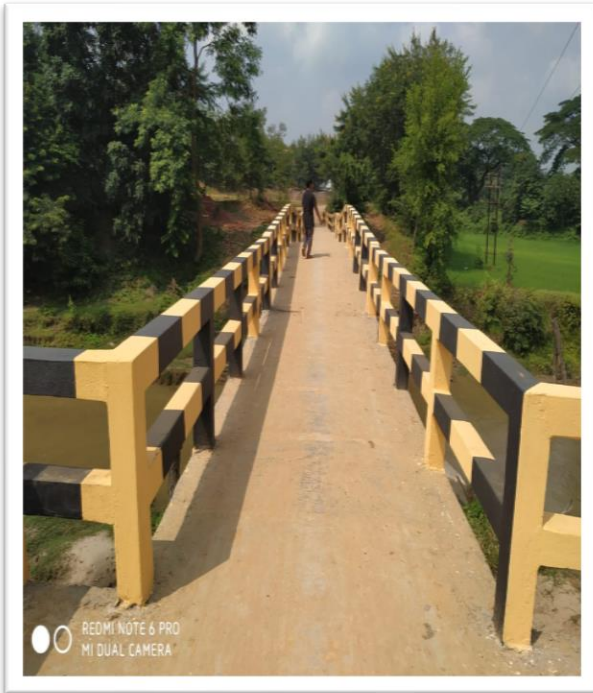
Name of Work: Formation of Road
GP: Ailmara VC,
Block: Shilachari
District: Gomati



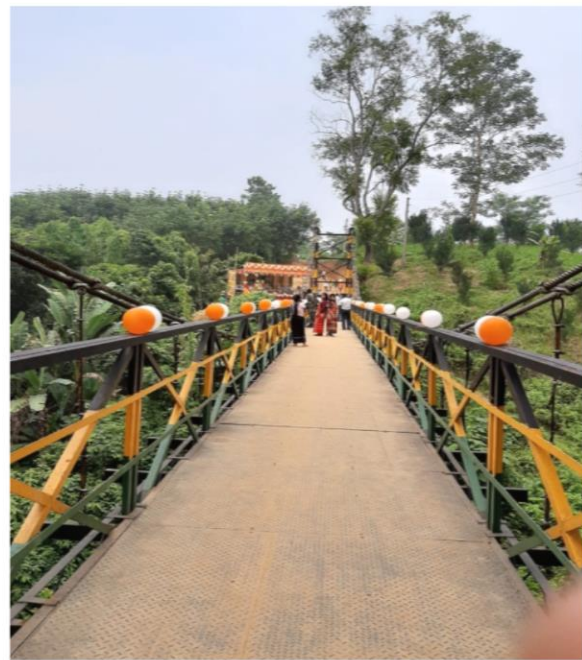
Name of Work: Formation of Road
GP: Ailmara VC
Block: Shilachari
District: Gomati



Name of Work: Formation of Road
GP: South Sangang VC
Block: Ompi
District: Gomati



Name of Work: RCC Foot Bridge
GP: Madhya Devendranagar
Block: Jirania
District: West Tripura



Name of Work: Cable Suspension Steel Bridge
GP: Kaipeng VC
Block: Teliamura
District: Khowai



Name of Work: RCC Box Culvert
GP: Kalachari
Block: DurgaChowmuhani
District: Dhalai



THANKS

