

SUCCESS STORY ON CONSTRUCTION OF GABION BOX FOR STREAM BANK EROSION CONTROL

PROFILE

Major activity : Support for Wetland Agriculture

Name of the activity : Stream Bank Erosion control

Village: Bungtlang, Serchhip, Mualcheng, Chekawn

No of beneficiaries : 30 (Male -21, Female-9)

District: Serchhip

Account Code: 12010205

Source of Fund: IFAD –90%, GoM –10%

Amount: Rs.75, 000 per Ha.

Area Covered: 15 Ha.

BACKGROUND

The Stream Bank Erosion is a natural process that occurs when the forces exerted by flowing water exceed the resisting forces of bank materials and vegetation. Stream bank erosion becomes a problem where development has limited the meandering nature of streams, where streams have been channelized, or where stream bank structures like bridges, culverts, etc are located in places where they can actually cause damage downstream areas. Erosion of soil from stream bank is a serious threat to the farmers as it destroys the lands during flood without any ultimatum.

Purpose :

For the stream bank erosion control- Gabion box, stone random rubble masonry and RCC structure Retaining wall was constructed. The rock filled gabions are used to stabilize the stream bank; and also to divert the flow away from the eroding stream section. For bank protection the gabions are constructed in the form of mattresses with the help of one layer of rock encased by suitable gage wire. The gabion mattresses can be used at unstable streambeds and stream banks for preventing soil scouring/washing.

Conclusion:

This construction plays a crucial role in controlling soil erosion caused by the stream bank and also helps in maintaining the buffer strips.



CONSTRUCTION OF GABION BOX: LALHMUNSANGA, SERCHHIP ZAWLPUI



Supervision of Gabion Box by State Project Director on 19th July 2022



Stream line straightening to reduce soil erosion at WRC area, Chekawn



Before and After construction of Gabion Box at Chekawn (C.Vanlalhruaia)

