

1.1. Title of the Practice: Embankment Erosion Protection, Sisi-Tekeliphuta Dyke, Brahmaputra River

2. Objectives of the practice:

* To protect the embankment from erosion especially in the rainy session.

* To protect the agricultural land from erosion.

*To protect people`s land and home.

*To create awareness among the people about the causes of land erosion and the measures on how to resist continuous erosion naturally.

3. The Context :

The Institution stands for a socially relevant matters that awaken one`s sense of social responsibility to reach out and share their experiences and skills with the different section of society. The Institution is situated near the bank of the River Brahmaputra, at Bakulguri, Dhakuakhana Sub-Division of Assam. Hence, it has been facing devastating flood along with the vast rural area due to the erosion and breach of the embankment. More than fifty thousand people of this area are affected by flood in every year. . Miles of agricultural land, grazing land, forestry areas have either eroded or filled with sand. Even no existence is found today of several earlier revenue villages and the inhabitants of those villages are becoming landless and homeless only because of erosion and breached of embankment in many portions. Miles of agricultural lands, grazing land, forestry areas have either eroded or filled with sand. So, embankment erosion is becoming a major problem of this region. It affects not only the people riverine villages, but every sphere of human life. It has mostly affected the educational institutions in academic affairs. So, being a part of this area [located in the riverine area], the Institution is always aware about the embankment erosion and it has been taking some important initiatives and major steps to resist the erosion for few years.

1. The Practice

To combat with the erosion of embankment, the Institution has taken several voluntary steps of erosion protection camps during the last couple of years. Many measures like placing of bamboo porcupines, wood porcupines to divert the current of the river, staked and sealed percolations with sand filled cement bags and [during the rainy sessions]made tree plantation all over the embankment side to protect naturally the eroded portions and organized many public awareness camps in collaboration with different NGO`s.

List of Embankment Erosion Protection Camps

| SL no | Name of the Event | Location | Date & year | Participants |
|-------|-------------------------------|-----------------|-------------------------------|--------------|
| 1 | Embankment Erosion Protection | Moderguri Dike, | 27 th March, 20217 | 45 |

| | | | | |
|---|------------------------------------|--|---------------------------------|----|
| | Camp | Brahmaputra River | | |
| 2 | Embankment Erosion Protection Camp | Charanchuck Papong Dike, Brahmaputra river | 6 th April, 2018 | 58 |
| 3 | Embankment Erosion Protection Camp | Kathoni Dike, Brahmaputra River | 16 th February, 2019 | 51 |
| 4 | Embankment Erosion Protection Camp | Tekelipohuta Dike, Brahmaputra River | 3 rd March, 2021 | 41 |
| 5 | Embankment Erosion Protection Camp | Takar-Chuck Dike, Brahmaputra River | 29 th October, 2022 | 60 |

5 .Evidence of Success: After vigorous activities organized by the Institution, a substantial positive changes and awareness have come up among the upcoming generations and the riverine people in respect of embankment erosion protection. The success of the practice is outlined as follow.

* The practice has brought about practical involvement of all the teachers and the students in socially associated activities other than mere class room teaching. After the introduction of the practice, teachers and students are often found to visit the embankment.

* There is a progressive change among the riverine people and the local youth in respect of embankment erosion, the causes and the protective measures of erosion.

*The riverine people are now very alert especially during the rainy seasons. They are always ready to give service when needed.

*The practice encourages the local people to plant more trees rather than cut down.

Problems Encountered and Resources Required: There are few problems on the way of its effective implementation. These are as follows.

*Some part of the embankment are very weak, the current of the water from the channel often attacks on the weak portion.

*Organizing an embankment erosion protection program is a costly matter. It needs a big amount of rupees for purchasing protection materials as such bamboo, wood, empty cement bags etc, for successful implementation.