VETIVER GRASS APPLICATION WITH COCO-FIBER PRODUCTS IN PUBLIC INFRASTRUCTURE

Slope protection works on lahar mega dike Botolan, Zambales





2.3 kilometers length, average of 6 meters slope surface run



· slope is part of the mega dike facing the other side of the river.

COCO NETS

- made of coco twine from coconut fibers
- rolls of 1m width x 20m length or 1m width x 50m length
- excellent ground cover and lasts until vegetation takes control
- 22,000 sq.m. of coconets were used in the project











Vetiver rows planted at 10 plants/meter in between coconets

COCO-LOGS

• 30cm diameter

• 3 meters length

 coconut fiber fill wrapped in nylon nets or coconets

the logs are held in place by 2ft.
live wood stakes

• 766 pcs. logs were used

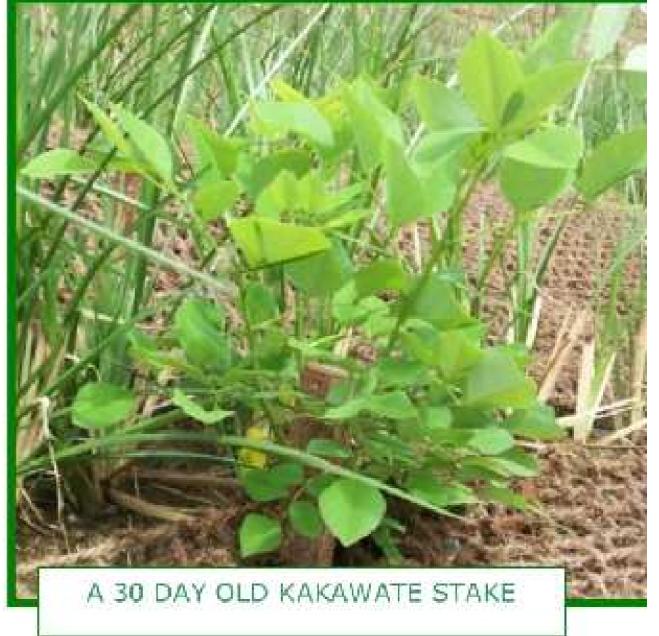






- Madre de Cacao locally known as kakawate are used as live stakes
- The stakes are used to secure both the logs and the nets.
- 4,600 pcs of 3ft. stakes anchored the cocologs
- 60,000 pcs. of 6 inch stakes for the coconet were used





Kakawate stakes holding the nets, with new leaves growing side by side with coconets

METHODOLOGY

- land preparation
- laying out and staking of nets





- planting of Vetiver grass rows
- stitching of nets together











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PROJECT DETAILS

- · 2.3 kilometers length, average of 6 meters slope surface run
- Vetiver rows planted at 10 plants/meter in between coconets
- 25 workers finished the project in 21 working days
- · 22,000 sq.m. of nets were used
- 766 pcs. of logs laid out and connected