

## TPFDA - Plantation Completion Report in brief, October, 2019

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As per the agreement between Terai Private and Public Forest Resources Promotion and Rural Development Association (TPFDA) and Danish Forestry Extension (DFE).

The TPFDA has performed the tree planting activities in total of 11.74 ha. of land this year in different three models as prescribed in the program proposal.

- The model-I is about the conservation orientation
- The model-II for commercial timber production
- The model -III is about the timber production and livelihood.

Initially, there were 22 farmers committed to participate in this tree planting activities in their land to contribute in sequestering carbon for the long run, but due to their land damaged by the flash flood, only 13 farmers from different 4 village clusters have initiated the tree planting activities in their land as described.

- 2 farmers followed the tree plantation activities in **model-I**,
- 5 farmers followed the tree plantation activities in **model-II**
- 6 farmers followed the tree plantation activities in **model-III**.

Similarly, the area covered by model-I is 3.52 ha. and 2.57 ha in model-II and 5.65 ha in model-III.

Farmers have planted:

- **Model I)** *Dendrocalamus spp.*, *Swietenia managony*, *Acacia catechew*, *Gmelina arborea* and *Albizia spp.*
- **Model II)** *Swietenia managony*, *Gmelina arborea*, *Albizia spp.*, *Anthocephalus cadamba*, *Mangifera indica*, *Artocarpus integrifolia* and *Dalbergia sissoo*
- **Model III)** *Dendrocalamus Spp.*, *Swietenia mahagoni*, *Gmelina arborea*, *Albizia spp.*, *Anthocephalus cadamba*, *Mangifera indica*, *Artocarpus integrifolia* and *Azaderachta indica* and *Dalbergia sissoo*

The Total of 11324 seedlings/saplings of different varieties as mentioned above have been planted this year.

After the damages caused by the flash flood, there are some diversifications in land allocation, species selection (species composition) and similarly in the spacing of the plantation as per the species from the previous plan as reported earlier.

The Bamboos (*Dendrocalamus species*, *Mangifera indica*, *Artocarpus integrifolia*) required more spacing than the other one due to which number of seedlings per hectare are reduced from 1600 to 1000-1100 in total per hectare.

Farmers are enthusiastic to take care of the planted seedlings through periodical weeding, stopping of their cattle grazing and from other damages from outsiders.

It was very difficult to move as per the plan due to having unexpected flash flood due to heavy rain. During heavy rain with flood, many selected farmer's land with other properties were lost and damaged.

We have scheme of tree plantation but the selected land had to be change i.e. the alternative land needed to be explored due to flood.

Many pits were damaged and many seedlings/saplings which are prepared for plantation have also been damaged. The alternative sources of seedlings/ saplings needed to be explored. Frequent flood and frequent drought in sandy and Bhabar areas are more challenging and risky for better survival of the planted seedlings.

By these reasons, we even though have planned for near around 14 hectares of the area but Only 11.74 ha. area of plantation have been completed during this season.

Thanks

### *Farmer's voice*



“ My name is Chitra Bahadur KC from Bengadawar-9. I am happy to have tree planting activities in my farm land which ultimately will benefit me as well as to save our environment through sequestering atmospheric carbon.

I have planted 628 tree seedlings including *Swietenia managony*, *Gmelina arborea*, *Albizia spp*, *Anthocephalus cadamba* and *Dalbergia sissoo* in 0.56 ha. of my farm land”. Initially I have developed the concept of tree plantation in the farm land through the counselling and motivation from TPFDA.