

**Compensatory Afforestation Scheme (as per plantation under the Forest Conservation Act, 1980) for the diversion of 2.11 ha land for raising of existing guide bunds of Railway Bridge across river Yamuna in c/w 3'-4 line b/w Anand Vihar - Tilak Bridge to prevent inundation of adjoining habituated areas due to increase in High Flood Level (HFL)".**

1. As per the existing ratio 1111 saplings can be planted in 01 ha. of land at the spacing of 3mX3m. Therefore, a compensatory afforestation of 2955 saplings has to be carried out over an area of 2.11 ha land located at Master Plan Green, Sector-29, Dwarka allocated by Delhi Development Authority against the diversion of 2.11 ha Deemed Forest land .

2. According to DPTA 1994 the cost of planting one sapling with seven years maintenance Rs. 5700/- has to be deposited per tree. As per FCA maintenance has to be done for 10 years therefore, per sapling cost / expenditure for 10 years is  $(5700/7 \times 10) = \text{Rs. } 8142.86/-$

Therefore, the estimated cost for plantation of 2955 saplings over an area 2.11 ha. land in Sector-29, Dwarka as per existing norms of compensatory afforestation in Department of Forests and Wildlife GNCTD is  $8143 \times 2955 = \text{Rs. } 24062565/-$  (Rupees Two Crore Forty Lakh Sixty Two Thousand Five Hundred and Sixty Five only).

3. The components of plantation activity are as follows:

Sr. No.	Component of work
1.	Fencing
2.	Removal of dead wood and dry bushes, and malba etc. and leveling
3.	Uprooting of root stumps, weed etc. and site preparation with good earth.
4.	Mechanical digging of pits
5.	Application of Chloro-pyro-phos and Gypsum for termite/laterite treatment etc.
6.	Flooding the pit with water
7.	Treatment of pits with FYM (5 eft. Per pit, Bone meal(5 kg. per pit) and neem cake (5 kg. per pit)
8.	Cost of saplings.
9.	Transportation cost of saplings from nursery to the site
10.	Irrigation during months of planting and remaining months of the seven years of creation of plantation.
11.	FYM Neem Cake, bone meal and insecticide for 7 years
12.	Casualty replacement in 2 <sup>nd</sup> year and 3 <sup>rd</sup> year for 20% of the plantation
13.	Watch and ward duty including monitoring and evaluation
14.	Total estimated cost of creation and maintenance including fencing

5. The said amount includes administrative & Contingency Charges @ Rs. 1000/- (Rs. One Thousand only) per sapling.\*

6. Summary of expenditure for plantation of 2955 saplings over an area of 2.11 ha. land.

Cost of plantation	Administrative & Contingency Charges*	Total
Rs. 21107565/-	Rs. 2955000/-	Rs. 24062565/-

  
(Aditya Madanpotra)

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