

Estimate for raising 1.27 ha Forest Land selected for CA plantation at Mouja Tekka RF under Sabroom forest Sub-Division against the diversion of 0.63535 ha of forest land for development of approach road towards Sabroom Railway Station from ICP Sabroom under District Forest Officer South Tripura (Proposal No:- FP/TR/Approach/148082/2021)

Estimate are given below:-

1 st Year Maintenance				
SL No	Item of works	Time of works	No.DLs /ha	Amounts (in Rs)
1	Pre-survey by clearing jungle 1.5 m wide strip by using GPS instrument. Track polygon (raw data) is to be submitted within 5 days after completion of survey	Feb-March		(included in 10% m&e cost)
2	Site preparation including cutting of jungle slush to the round disposal of debris etc.	Jan-Feb	18	3816
3	Stacking at spacing 2 m x 2 m (2500 plants) with sticks of 1 m long and 15 cm wide including collection of sticks etc to be done along the contour in slopes and in East West direction in plains	Feb-March	10	2120
4	Digging of pits 30 cm x 30 cm x 30 cm size for misc fast growing species at 2m x 2 m spacing	Feb-March	68	14416
5	Re-filling of pits after removal of foreign materials breaking of clods and planting of seedling after removal of seedling pots, carrying of seedlings up to plantation site, including preparation of thali for water conservation etc	April-may	79	16748
6	Re-Survey using GPS			
7	First weeding including base cleaning in thali at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines flush to the ground level including vacancy filling with required plant sp including digging of pits, refilling & planting including carrying of seedlings.	June-July	22	4664
8	Second Weeding including base cleaning in thali at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines flush to the ground level	Aug-Sep	18	3816
9	Winter cleaning by cutting of weeds and climber making of fire line 4m wide & diagonal inspection path 1 m wide by scraping with spade and maintenance of the same throughout the dry season	Dec-January	10	2120
10	Engagement of a watch and wards responsible for maintenance of fencing, cattle watching etc. His continuation will be based on survival percentage of seedling.	April-March	1 for 365 days	7738
11	Cost of planting materials @ Rs. 15/- per polybag for 3000 nos polybag (including vacancy filling)			45000
12	Cost of permanent fencing including application of biofertilizer etc.	Lumpsum	per ha	65000
Total				165438
Cost of pre-survey, carrying cost, signboard cost, monitoring and evaluation will be 10% of the total expenditure for 1ha				16544
Sub-Total for 1st year				181982
Anticipatory increase total X cost increment factor(1)				181982
2nd Year Maintenance				
1	First weeding including base cleaning in thali at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines flush to the ground level including vacancy filling with required plant sp including digging of pits, refilling & planting including carrying of seedlings	June-July	22	4664
2	Second weeding including base in thali at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines flush to the ground level	Aug-Sep	18	3816
3	Winter cleaning including base in thali at a radius of 0.5 m by scraping with spade & cutting of weeds in between the lines flush the ground including making of fire line 4 m wide & diagonal inspection path 1 m wide by scraping spade and maintenance of the same throughout the dry season	Dec-January	10	2120
4	Engagement of a watch and wards responsible for maintenance of fencing, cattle watching etc. His continuation will be based on survival percentage of seedling. Watch and ward is 1 no. for min 10 ha (contiguous or discrete) patch	April-March	1 for 365 days	7738
5	cost of seedling of 500 @ Rs. 15/- per polybag including transportation and application of biofertilizer etc.			12500
Total				30838
For monitoring and evaluation, Maintenance of fencing 10% of the entire cost of plantation per ha				3084
Sub-Total				33922
Anticipatory increase total X cost increment factor(1.1)				37314

District Forest Officer
Balonia, South Tripura

3rd year mintage

1	First weeding including base cleaning in thali at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines flush to the ground level including vacancy filling with required plant spp including digging of pits, refilling & planting including carry of seedlings.	June-July	20	4240
2	Second weeding including base in thali at a radius of 0.5 m by scraping with spade & cutting of weeds in between the lines flush the ground level	Aug-Sep	15	3180
3	Winter cleaning including base in thali at a radius of 0.5 m by scraping with spade & cutting of weeds in between the lines flush the ground including making of fire line 4 m wide & diagonal inspection path 1 m wide by scraping spade and maintenance of the same throughout the dry season	Dec-January	10	2120
4	Engagement of a watch and wards responsible for maintenance of fencing, cattle watching etc. His continuation will be based on survival percentage of seedling. Watch and ward is 1 no for min 10 ha (contiguous or discrete) patch.	April-March	1 for 365 days	7738
5	Application for biofertilizer etc. including labour cost etc.		LS	5000
Total				22278
For monitoring and evaluation, maintenance of fencing 10% of the entire cost of plantation per ha				2228
Sub-Total				24506
Anticipatory increase : Total X cost increment factor (1.21)				29652

4th year mintage

1	First weeding including base cleaning in thali at a radius of 0.5 m by scraping with spade and cutting of weeds in between the lines flush to the ground level	June-July	15	3180
2	Cultural operation by weeding and climber cutting including making diagonal inspection path 1 m wide by scraping with spade and maintenance of the same throughout the dry season including making of fire line 4 m wide by scraping with spade including maintenance of the same throughout the dry season	Dec-January	12	2544
Total				5724
Anticipatory increase : Total X Cost increment factor (1.331)				7619

5th year mintage

1	Cultural operation	Dec-January	12	2544
Anticipatory increase : Total X Cost increment factor (1.4641)				3725

6th year mintage

1	Cultural operation	Dec-January	12	2544
Anticipatory increase : Total X Cost increment factor (1.61051)				4097

7th year mintage

1	Cultural operation	Dec-January	12	2544
Anticipatory increase : Total X Cost increment factor (1.771561)				4507

8th year mintage

1	Cultural operation	Dec-January	12	2544
Anticipatory increase : Total X Cost increment factor (1.948717)				4958

9th year mintage

1	Cultural operation	Dec-January	12	2544
Anticipatory increase : Total X Cost increment factor (2.1435888)				5453

10th year mintage

1	Cultural operation	Dec-January	12	2544
Anticipatory increase : Total X Cost increment factor (2.3579476)				5999
Sub-Total				285305
Cost of 10% for central Campa Fund				28530
Grand Total				313835

Grand Total Rs.313835/- per ha X 1.27 ha =3,98,571/- (Rupees three lakhs ninty eight thousand five hundred seventy one) only.



District Forest Officer
South Tripura District, Belonia
District Forest Officer