

Estimate for raising 12.262 ha Forest Land selected for CA plantation at Mouja Dakshin Barapatiray, Beat of Manipathar under Asst. Wildlife Warden Abhiya Wildlife range under Trishna Wildlife Sanctuary, Joychandpur, South Tripura against the diversion of 6.121 ha of forest land for exploration of Hydrocarbon /Natural Gas through drilling, waste-pit and DAS of location GOAN of Mouja – Dakshin Sonaichari & Tekka RF under District Forest Officer, South Tripura

Estimate are given below:-

1 st Year Maintenance				
SL No	Item of works	Time of works	No.DL s/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% m2e 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
<b>Total</b>				<b>165438</b>
Cost of pre-survey, carrying cost, singbord cost, monitoring and evaluation will be 10% of the total expenditure for 1ha				16544
<b>Sub-Total for 1st year</b>				<b>181982</b>
Anticipatory increase total X cost increment factor(1)				<b>181982</b>
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
<b>Total</b>				<b>30838</b>

For monitoring and evaluation, Maintenance of fencing 10% of the entire cost of plantation per ha			3024
		Sub-Total	33922
Anticipatory increase total X cost increment factor(1.1)			37314

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### 3rd 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 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 scarping 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 scarping 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
<b>Total</b>				<b>22278</b>
				2228
For monitoring and evaluation, maintenance of fencing 10% of the entire cost of plantation per ha				24506
<b>Sub-Total</b>				<b>29652</b>
Anticipatory increase : Total X cost increment factor (1.21)				

### 4th 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	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
<b>Total</b>				<b>5724</b>
				<b>7619</b>
Anticipatory increase : Total X Cost increment factor (1.331)				

### 5th year maintenance

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

### 6th year maintenance

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

### 7th year maintenance

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

### 8th year maintenance

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

### 9th year maintenance

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

### 10th year maintenance


1	Cultural operation	Dec-January	12	2544
				<b>5999</b>
Anticipatory increase : Total X Cost increment factor (2.3579476)				

**Sub-Total** 285305

Cost of 10% for central Campa Fund 28530

**Grand Total** 313835

**Grand Total Rs.313835/- per ha X 12.262 ha =38,48,247/- (Rupees thirty eight lakh forty eight thousand two hundred forty seven) only.**

  
 District Forest Officer  
 South Tripura District,