

Particulars of works		Quantity	Rate	Unit	Amount
		3	4	5	6
8th year Operation					
a) Maint of inspection path/fireline & Climber cutting @ 5 Dls/Ha		5 Dls	Rs. 333.00	Dls	Rs. 1,665.00
(b) Add paid holiday @ 18.63% on item 10(a)		1 Dls	Rs. 333.00	Dls	Rs. 333.00
Add escalation @ 70% on item 10(a) to 10(b)		4.2 Dls	Rs. 333.00	Dls	Rs. 1,398.60
11 9th year Operation		Sub - Total :-		(L)	Rs. 3,396.60
a) Maint of inspection path/fireline & Climber cutting @ 5 Dls/Ha		5 Dls	Rs. 333.00	Dls	Rs. 1,665.00
(b) Add paid holiday @ 18.63% on item 11(a)		1 Dls	Rs. 333.00	Dls	Rs. 333.00
Add escalation @ 80% on item 11(a) to 11(b)		4.8 Dls	Rs. 333.00	Dls	Rs. 1,598.40
		Sub - Total :-		(M)	Rs. 3,596.40
12 10th year Operation					
a) Maint of inspection path/fireline & Climber cutting @ 5 Dls/Ha		5 Dls	Rs. 333.00	Dls	Rs. 1,665.00
(b) Add paid holiday @ 18.63% on item 12(a)		1 Dls	Rs. 333.00	Dls	Rs. 333.00
Add escalation @ 90% on item 12(a) to 12(b)		5.4 Dls	Rs. 333.00	Dls	Rs. 1,798.20
		Sub - Total :-		(N)	Rs. 3,796.20
13	Monitoring & Supervision (POL, Maint of Vehicles, Supervision i/c TE etc). @12% and Contingency 3 % to meet up the unforeseen expenditure i.e. 15% on item no. 1 to 20 and Nursery cost				Rs.39,658.91
14	Entry Point Activities at the rate of Rs. 13,000/- per ha. For the area 25 ha & above, and no entry point activities is chargeable for the area less than 25 ha.	1.00 Hects	Rs. 13,000.00	Ha	Rs. 13,000.00
15	Provision for soil and moisture conservation structures (where needed) @ Rs.6200/- per ha.	0.25 Hects	Rs. 6,200.00	Ha	Rs. 1,550.00
					Rs. 4,01,200.00
Rupees (Four Lakh One Thousand Two Hundred) Only					
Countersigned			Estimated by		
					
J.T. Pertin			(S Chowdhury)		
Divisional Forest Officer			Addl. Chief Estimator		
Lohit Forest Division :: Tezu			Lohit Forest Division :: Tezu		

Work :- **Creation of Compensatory Afforestation against diversion of 0.98 Ha of forest land for establishment of Quarry at Demwe by M/s Tamchi Kujuk for construction of Road from Demwe to Brahmakund by** Annexure- XIX

land identified for compensatory afforestation :- in degraded forest areas of Tatrakam Anchal Reserve Forests against diversion of 0.45 Ha of forest land for establishment of Stone Crusher Unit and Base Camp by M/s Tamchi Kujuk for construction of 2 Lanning Road with hard shoulder from Demwe to Brahmakund on EPC Mode by NHIDCL

Geo co ordinates

(1) 27° - 54' - 20.48"	96° - 14' 52.54"	(6) 27° - 54' - 16.68"	96° - 14' 56.28"
(2) 27° - 54' - 20.47"	96° - 14' 53.11"	(7) 27° - 54' - 16.93"	96° - 14' 55.61"
(3) 27° - 54' - 20.65"	96° - 14' 54.74"	(8) 27° - 54' - 17.27"	96° - 14' 54.59"
(4) 27° - 54' - 21.03"	96° - 14' 56.47"	(9) 27° - 54' - 17.58"	96° - 14' 53.84"
(5) 27° - 54' - 18.80"	96° - 14' 57.84"		

Species to be planted :- *Tectona grandis*, *Bombex ceiba*, *Terminalia chebula*, *Terminalia arjuna*, *Acacia catechu*, *Delbergia* *sissoo*, *Gmelina arborea*, *Terminalia bellirica* etc.

Spacing :- 3.00 m x 3.00 m

Compensatory Afforestation Project Cost :-		Wage Rate :-		Area = 1.00 Hects		Periphery = 490.00 Mtrs.	
Sl. No.	Particulars of works	Quantity	Rate	Unit	Amount		
1	2	3	4	5	6		
A.	Creation of Nursery						
	Cost of Polypot seedlings @ 1100 Nos/Ha	1100 Nos	Rs. 18.00		Rs. 19,800.00		
				(A)	Rs. 19,800.00		
1	1st Year Operation						
	Survey and demarcation and preparation of Map @ 4 Dls/Ha	4 Dls	Rs. 333.00	Dls	Rs. 1,332.00		
	Add Paid holiday @ 18.63%	1 Dls	Rs. 333.00	Dls	Rs. 333.00		
			Sub - Total :-	(B)	Rs. 1,665.00		
2	2nd Year Operation						
	(i) Erection of Barbed Wire Fence (5 strands) fencing per 100 mtrs.						
	a) Barbed wire (5 strands) @ 85.0 Kg/100 mtrs.	416.50 Kgs	Rs. 100.00	Kg	Rs. 41,650.00		
	b) G I U Staples @ 2.0 Kg/100 mtrs	9.80 Kgs	Rs. 100.00	Kg	Rs. 980.00		
	c) GI Nails @ 1.0 Kg/100 mtrs	4.90 Kgs	Rs. 100.00	Kg	Rs. 490.00		
	d) JW Posts @ 61 Nos/100 mtrs	299 Nos	Rs. 80.00	Nos	Rs. 23,912.00		
	e) Digging of Pits, Erection of JW Posts, Straining 5 strand barbed wire and fitting fixing @ 10 Dls /100 mtrs	49 Dls	Rs. 267.00	Dls	Rs. 13,083.00		
					Rs. 80,115.00		
	Add Paid holiday @ 18.63% =	9.129 Dls	Rs. 267.00	Dls	Rs. 2,437.36		
			Sub - Total :-	(C)	Rs. 82,552.36		
	(ii) Maint of Barbed Wire fencing @ 5% of erection cost in each year from 3rd year to 6th year						
	Add 10% escalation value by multiplying factor						
	1.20 for 3 rd year				Rs. 4,953.14		
	1.30 for 4 th year				Rs. 5,365.90		
	1.40 for 5 th year				Rs. 5,778.67		
	1.50 for 6 th year				Rs. 6,191.43		
			Sub - Total :-	(D)	Rs. 1,04,841.50		

Particulars of work		Quantity	Rate	Unit	Amount
1	2	3	4	5	6
Casualty replacement					
b) 3 rd Year @ 15% per Hect					
c) 4 th Year @ 10% per Hect					
		165 Nos	Rs. 18.00	Nos	Rs. 2,970.00
		110 Nos	Rs. 18.00	Nos	Rs. 1,980.00
		Sub - Total :-		(E)	Rs. 4,950.00
4 Raising of Plantation					
a) Clearence of brushwood, Planting lines & staking of debris @ 15 Dls/Hect					
		15 Dls	Rs. 333.00	Dls	Rs. 4,995.00
b) Alignment of pits & preparation of stakes and staking @ 10 Dls/Hect					
		10 Dls	Rs. 333.00	Dls	Rs. 3,330.00
c) Digging of pits 30 cm x 30 cm x 30 cm @ 22 Dls/Hect					
		22 Dls	Rs. 333.00	Dls	Rs. 7,326.00
d) Transportaion of seedlings to the plantation site i/c planting of seedling @ 20 Dls/Hect					
		20 Dls	Rs. 333.00	Dls	Rs. 6,660.00
e) Making of Inspection path - 1.0 Mtr wide @ 3 Dls/Hect					
		3 Dls	Rs. 333.00	Dls	Rs. 999.00
f) Fire line cutting 3 mtrs wide along the periphery @ 5 Dls/Hect					
		5 Dls	Rs. 333.00	Dls	Rs. 1,665.00
g) Tending - 4 weedings @ 12 Dls per Hect per weeding					
		48 Dls	Rs. 333.00	Dls	Rs. 15,984.00
		23 Dls	Rs. 333.00	Dls	Rs. 7,659.00
h) Add Paid Holiday @ 18.63%					
i) Add 10% escalation value on total of the item 4(a) to 4 (h)					
		14.6 Dls	Rs. 333.00	Dls	Rs. 4,861.80
		Sub - Total :-		(F)	Rs. 53,479.80
5 3rd year Operation					
a) Tending - 3 weedings @ 12 Dls per Hect per weeding					
		36 Dls	Rs. 333.00	Dls	Rs. 11,988.00
b) Casualty replacement @ 15%, 7 Dls/Ha					
		7 Dls	Rs. 333.00	Dls	Rs. 2,331.00
c) Maint of inspection path @ 1 Dls/Ha					
		1 Dls	Rs. 333.00	Dls	Rs. 333.00
d) Maint of Fireline @ 1 Dls/Ha					
		1 Dls	Rs. 333.00	Dls	Rs. 333.00
(e) Add paid holiday @ 18.63% on item 5(a) 5(d)					
		8 Dls	Rs. 333.00	Dls	Rs. 2,664.00
Add escalation @ 20% on item 5(a) 5(e)					
		10.6 Dls	Rs. 333.00	Dls	Rs. 3,529.80
		Sub - Total :-		(G)	Rs. 21,178.80

Particulars of works		Quantity		Rate		Unit		Amount	
2		3		4		5		6	
4 th year Operation									
a) Tending - 2 weedings @12 Dls per Hect per weeding									
b) Casualty replacement @15%, 7 Dls/Ha		24 Dls	Rs.	333.00	Dls	Rs.		7,992.00	
c) Maint of inspection path @ 1 Dls/Ha		7 Dls	Rs.	333.00	Dls	Rs.		2,331.00	
d) Maint of Fireline @ 1 Dls/Ha		1 Dls	Rs.	333.00	Dls	Rs.		333.00	
(e) Add paid holiday @ 18.63% on item 6(a) 6(d)		1 Dls	Rs.	333.00	Dls	Rs.		333.00	
Add escalation @ 30% on item 6(a) 6(e)		6 Dls	Rs.	333.00	Dls	Rs.		1,998.00	
		11.7 Dls	Rs.	333.00	Dls	Rs.		3,896.10	
				Sub - Total :-		(H)	Rs.	16,883.10	
7 5 th year Operation									
a) Tending - 1 weedings @12 Dls per Hect per weeding		12 Dls	Rs.	333.00	Dls	Rs.		3,996.00	
b) Maint of inspection path @ 1 Dls/Ha		1 Dls	Rs.	333.00	Dls	Rs.		333.00	
c) Maint of Fireline @ 1 Dls/Ha		1 Dls	Rs.	333.00	Dls	Rs.		333.00	
(d) Add paid holiday @ 18.63% on item 7(a) 7(d)		3 Dls	Rs.	333.00	Dls	Rs.		999.00	
Add escalation @ 40% on item 7(a) 7(d)		6.8 Dls	Rs.	333.00	Dls	Rs.		2,264.40	
				Sub - Total :-		(I)	Rs.	7,925.40	
8 6 th year Operation									
a) Tending - 1 weedings @12 Dls per Hect per weeding		12 Dls	Rs.	333.00	Dls	Rs.		3,996.00	
b) Maint of inspection path @ 1 Dls/Ha		1 Dls	Rs.	333.00	Dls	Rs.		333.00	
c) Maint of Fireline @ 1 Dls/Ha		1 Dls	Rs.	333.00	Dls	Rs.		333.00	
(d) Add paid holiday @ 18.63% on item 8(a) 8(d)		3 Dls	Rs.	333.00	Dls	Rs.		999.00	
Add escalation @ 50% on item 8(a) 8(d)		8.5 Dls	Rs.	333.00	Dls	Rs.		2,830.50	
				Sub - Total :-		(J)	Rs.	8,491.50	
9 7 th year Operation									
a) Maint of inspection path/fireline & Climber cutting @ 5 Dls/Ha		5 Dls	Rs.	333.00	Dls	Rs.		1,665.00	
(b) Add paid holiday @ 18.63% on item 9(a)		1 Dls	Rs.	333.00	Dls	Rs.		333.00	
Add escalation @ 60% on item 9(a) to 9(b)		3.6 Dls	Rs.	333.00	Dls	Rs.		1,198.80	
				Sub - Total :-		(K)	Rs.	3,196.80	