TIMATE FOR RAISING OF COMPENSATORY AFFORESTATION PLANTATATION UNDER BOMDILA FOREST DIVISION

1. Name of the Project :- Construction of 77.045 Hac for Const of Transmission line D/C Tower Bomdila to Kalaktang by Power grid Corporation of India Ltd.

2. User Agency : -. BY DEPARTMENT OF POWER
3. Forest Area Proposed
   For Diversion : - 44.101 Hac
4. Area of CA :- 88.202 Hac
5. Wages of Dls :- Rs 350/-

Sl No	Item of Works	Unit	Qnty	Rate	Amount	Total	Remarks
1	2	3	4	5	6	7	8
A.	Creation of Nursery:- Cost of Seedling 1100 Nos per Hact	88 Hac	96800	Rs 19/-	18.39,200/-		
1)	Survey Demarcation & pre of Map @ 4 Dls/Hact	88 Hac	176	Rs 1470/-	2,58,720/-		
	Sub Total				20,97,920/-		
2)	CREATION						
	i).Clearance of Jungle Per Hac 15 Dls	88 Hac	1320 nos	350/-	4,62,000/-		
	ii)Alignment of Pits per hac 10 Dls	88 Hac	880 nos	350/-	3,08,000/-		
	iii)Digging of Pits Per Hac 22 Dls	88 Hac	1936 nos	350/-	6,77,600/-		
	iv) Preparation of Thala by uprooting debries by spade around pit- 100 cum dia 22 Dls	88 Hac	1936 nos	350/-	6,77,600/-		
	v)Transportation/Carrying of seedling to the planting site i/c planting of seedling @ 20 Dls	88 Hac	1760 nos	350/-	6,16,000/-		
	vi)Making of I/path 1 mtr wide @ 3 Dls per Hac	88 Hac	264 Nos	350/-	92,400/-		
	vii)Fire line cutting 3 mtr wide along the periphery @ 5 Dls/Hac	88 Hac	440 nos	350/-	1,54,000/-		
	Viii) Add over head 5% Sl No. i to vii @ per hac 1838 x 88	88 Hac		1838/-	1,61,744/-		
	ix) Errection of barbed wire Fencing (5 Stand) 100 RMT Periphery per Hac Rs 18400/-	88 Hac		18400/-	16,19,200/-		
	x) Maint of Barbed wire fencing @ 5% of Errection cost in each year from 3rd year to 6th Year add escalation value by multiplying factor.						

	1.20 for 3rd year						
	1.3 for 4th year						
	1.4 for 5th year						
	1.5 for 6th year						
	xi) Tending =4th weeding@12 mandays per hac=48x88= 4224			350/-	14,78,400/-		
	xii) Add 10% escalation value on total of item 2(i) to (xi)			23368/-	20,56,384/-		
	Sub total				**83,03,328/-**		
3)	**Raising of seedling for casualty replacement per hac**						
	3rd year 15% = 165 nos						
	4th year 10% = 110 nos total = 275 x 88 ha = 24200 nos			19/-	**4,59,800/-**		
4)	**Maintainance of Plantation 1st Year**						
	i) Cost of Sapling for Casuality replacement= 165 nos per hac @ 7 Dls	88 Hac	14520 nos	19/-	2,75,880/-		
	ii) Casuality replacement 15% @ 7 Dls per hac	88 Hac	14520 nos	19/-	2,75,880/-		
	iii)Tending 3 weeding (12 x 3= 36 Dls per Hac)	88 Hac	3168 nos	350/-	11,08,800/-		
	iv) Maint of inspection path1 Dls per hac	88 Hac	88nos	350/-	30,800/-		
	v) Maint of Fire line cutting @ 1 Dls	88 Hac	88nos	350/-	30,800/-		
	Add over head 5%	88 Hac		770/-	67,760/-		
	Sub Total				**17,89,920/-**		
5)	**Maintainance of Plantation 2nd Year**						
	i)Tending 2 weeding (12 Dls per hac x 2= 24 Dls per hac)	88 Hac	2012 nos	350/-	7,39,200/-		
	ii) Casuality replacement 5 Dls per hac	88 Hac	440nos	350/-	1,54,000/-		
	iii) Maint of inspection path1 Dls per hac	88 Hac	88nos	350/-	30,800/-		
	iv) Maint of Fire line cutting @ 1 Dls	88 Hac	88nos	350/-	30,800/-		
	Add over head 5%	88 Hac		770/-	67,760/-		
	Sub Total				**10,22,560/-**		
6)	**Maintainance of Plantation 3rd Year**						
	i)Tending 3 weeding = 12 Dls per hac (36x88)= @350/-	88 Hac	3168 nos	350/-	11,08,800/-		
	ii) Maint of inspection path1 Dls per hac	88 Hac	88nos	350/-	30,800/-		
	iii) Maint of Fire line cutting @ 1 Dls	88 Hac	88nos	350/-	30,800/-		
	iv) Casuality replacement 15% = 7 Dls x 88= 616 nos	88 Hac		350/-	2,15,600/-		
	Sub Total				**13,86,000/-**		
7)	**Maintainance of Plantation 4th Year**						
	i)Tending 2 weeding (12 Dls per hac x 2= 24 Dls per hac)	88 Hac	2012 nos	350/-	7,39,200/-		
	ii) Maint of inspection path1 Dls per hac	88 Hac	88nos	350/-	30,800/-		
	iii) Maint of Fire line cutting @ 1 Dls	88 Hac	88nos	350/-	30,800/-		
	iv)Casuality replacement 10% @7 Dls per hac	88 Hac		350/-	30,800/-		

	v) Add 30% escalation value of item 7 (i) to 7 (v)			3465/-	3,04,920/-		
	Sub Total				11,36,520/-		
8)	**Maintainance of Fencing 5th Year**						
	i)Maintainance of barbed wire fencing @ 5% of Creation cost in each year from 3rd year to 6th Year						
	i). Tending =1 weeding@ 12 per hac (12x88)=1056			350/-	3,69,600/-		
	ii) Maint of inspection path1 Dls per hac	88 Hac	88nos	350/-	30,800/-		
	iii) Maint of Fire line cutting @ 1 Dls	88 Hac	88nos	350/-	30,800/-		
	iv) Add 40% escalation value on item 8 (i) to 8 (iii)			6860/-	6,03,680/-		
	Sub Total				10,34,880/-		
9)	**6th Year Operation**						
	i). Tending =1 weeding@ 12 per hac (12x88)=1056			350/-	3,69,600/-		
	ii) Maint of inspection path1 Dls per hac	88 Hac	88nos	350/-	30,800/-		
	iii) Maint of Fire line cutting @ 1 Dls	88 Hac	88nos	350/-	30,800/-		
	iv) Add 50% escalation value of item 9 (i) to 9 (iv)	88 Hac		7350/-	6,46,800/-		
	Sub Total				10,78,000/-		
10)	**7th Year Operation**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	88 Hac	440 nos	350/-	1,54,000/-		
	Add 60% escalation value on item 10 (i)	88 Hac		2800	2,46,400/-		
	Sub Total				4,00,400/-		
11)	**8th Year Operation**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	88 Hac	440 nos	350/-	1,54,000/-		
	Add 70% escalation value on item 11 (i)	88 Hac		1225/-	1,07,800/-		
	Sub Total				2,61,800/-		
12)	**9th Year Operation per Hac**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	88 Hac	440 nos	350/-	1,54,000/-		
	Add 80% escalation value on item 12 (i)	88 Hac		1400	1,23,200/-		
	Sub Total				2,77,200/-		
13)	**10th Year Operation Per Hac**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	88 Hac	440 nos	350/-	1,54,000/-		
	Add 80% escalation value on item 12 (i)	88 Hac		1400	1,23,200/-		
	Sub Total				2,77,200/-		
14)	Wages for plantation watcher @unskilled labour round the year for 10th years (1 Plantation Watcher @ 10000/- ever 25 Hac i.e 10 nos x			12,00,000/-	1,20,00,000/-		

15)	Const of OBT Type labour shied 2 room for workers at Plantation side upto 25 Hac = 2,40,000/- (5x240000)= 12,00,000				12,00,000/-		
16)	a).Const. of Modified barsha type standard size quarter for ever 50 hac = 1 nos (5x787000)= 39,35,000/-				39,35,000/-		
17)	Provision for Plantation Supervisor for every 15 Hac @ Rs 11000/- per month for 10 years i.e 154.09 hac= 2 nos Plantation Supervisor @12 months =132000/-x 2 Nos = 264000/-x10years= 26,40,000/-				26,40,000/-		
18)	Approval of Foottrack to plantation in the area where necessary	88		657/-	57,816/-		
19)	Entry point activities @ Rs 14300/- per hac	88		14300/-	12,58,400/-		
20)	Provision for soil and moisture conservation structure where needed @ 7200/- per hac (25% of 88 hac = 22 Hac)			7200/-	1,58,400/-		
		Total			**4,07,75,144/-**		
		Or Say			**4,07,75,200/-**		

(Rupees Four Crore Seven Lakhs Seventy Five Thousand Two Hundred)Only

(CHUKHU LOMA)
Divisional Forest Officer
Bomdila Forest Division

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