MATE FOR RAISING OF COMPENSATORY AFFORESTATION PLANTATATION UNDER BOMDILA FOREST DIVISION

me of the Project :- Construction of 58.987 Hac for Const of Transmission line D/C Tower Bomdila to Tawang by Power grid Corporation of India Ltd.

User Agency : -. BY DEPARTMENT OF POWER

3. Forest Area Proposed

For Diversion : - 58.987 Hac

4. Area of CA :- 118 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	118 Hac	129800	Rs 19/-	24,66,200/-		
1)	Survey Demarcation & pre of Map @ 4 Dls/Hact	118 Hac	472	Rs 350/-	1,65,200/-		
	Sub Total				**26,31,400/-**		
2)	**CREATION**						
	i).Clearance of Jungle Per Hac 15 Dls	118 Hac	1770 nos	350/-	6,19,500/-		
	ii)Alignment of Pits per hac 10 Dls	118 Hac	1180 nos	350/-	4,13,000/-		
	iii)Digging of Pits Per Hac 22 Dls	118 Hac	2596 nos	350/-	9,08,600/-		
	iv) Preparation of Thala by uprooting debries by spade around pit- 100 cum dia 22 Dls	118 Hac	2596 nos	350/-	9,08,600/-		
	v)Transportation/Carrying of seedling to the planting site i/c planting of seedling @ 20 Dls	118 Hac	2360 nos	350/-	8,26,000/-		
	vi)Making of I/path 1 mtr wide @ 3 Dls per Hac	118 Hac	354 Nos	350/-	1,23,900/-		
	vii)Fire line cutting 3 mtr wide along the periphery @ 5 Dls/Hac	118 Hac	590 nos	350/-	2,06,500/-		
	Viii) Add over head 5% Sl No. i to vii @ per hac 1838 x 88	118 Hac		1838/-	2,16,884/-		
	ix) Errection of barbed wire Fencing (5 Stand) 100 RMT Periphery per Hac Rs 18400/-	118 Hac		18400/-	21,71,200/-		
	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.						

	... year						
	... 4th year						
	... 5th year						
	... for 6th year			350/-	19,82,400/-		
	...) Tending =4th weeding@12 mandays per hac=48x118= 5664			23368/-	2,79,424/-		
	...ii) Add 10% escalation value on total of item 2(i) to (xi)				**86,56,008/-**		
	Sub total						
	Raising of seedling for casualty replacement per hac						
	3^{rd} year 15% = 165 nos			19/-	**6,16,550/-**		
	4^{th} year 10% = 110 nos total = 275 x 118 ha = 32450 nos						
...)	**Maintainance of Plantation 1^{st} Year**	118 Hac	826 nos	19/-	15,694/-		
	i) Cost of Sapling for Casuality replacement= 165 nos per hac @ 7 Dls	118 Hac	826 nos	19/-	15,694/-		
	ii) Casuality replacement 15% @ 7 Dls per hac	118 Hac	4248 nos	350/-	14,86,800/-		
	iii)Tending 3 weeding (12 x 3= 36 Dls per Hac)	118 Hac	118nos	350/-	41,300/-		
	iv) Maint of inspection path1 Dls per hac	118 Hac	118nos	350/-	41,300/-		
	v) Maint of Fire line cutting @ 1 Dls	118 Hac		770/-	90,860/-		
	Add over head 5%				**16,91,648/-**		
	Sub Total						
5)	**Maintainance of Plantation 2^{nd} Year**	118 Hac	2832 nos	350/-	9,91,200/-		
	i)Tending 2 weeding (12 Dls per hac x 2= 24 Dls per hac)	118 Hac	590nos	350/-	2,06,500/-		
	ii) Casuality replacement 5 Dls per hac	118 Hac	118nos	350/-	41,300/-		
	iii) Maint of inspection path1 Dls per hac	118 Hac	118nos	350/-	41,300/-		
	iv) Maint of Fire line cutting @ 1 Dls	118 Hac		770/-	90,860/-		
	Add over head 5%				**13,71,160/-**		
	Sub Total						
6)	**Maintainance of Plantation 3^{rd} Year**	118 Hac	4248 nos	350/-	14,86,800/-		
	i)Tending 3 weeding = 12 Dls per hac (36x118)= @350/-	118 Hac	118nos	350/-	41,300/-		
	ii) Maint of inspection path1 Dls per hac	118 Hac	118nos	350/-	41,300/-		
	iii) Maint of Fire line cutting @ 1 Dls	118 Hac		350/-	2,89,100/-		
	iv) Casuality replacement 15% = 7 Dls x 118= 826				**18,58,500/-**		
	Sub Total						
7)	**Maintainance of Plantation 4^{th} Year**	118 Hac	2832 nos	350/-	9,91,200/-		
	i)Tending 2 weeding (12 Dls per hac x 2= 24 Dls per hac)	118 Hac	118nos	350/-	41,300/-		
	ii) Maint of inspection path1 Dls per hac	118 Hac	118nos	350/-	41,300/-		
	iii) Maint of Fire line cutting @ 1 Dls	118 Hac		350/-	2,89,100/-		
	iv)Casuality replacement 10% @7 Dls per hac						

	...50% escalation value of item 7 (i) to 7 (v)						
	Sub Total				**17,71,770/-**		
	...ntainance of Fencing 5th Year						
	...aintainance of barbed wire fencing @ 5% of Creation cost in each ...ar from 3rd year to 6th Year						
	... Tending =1 weeding@ 12 per hac (12x118)=1416			350/-	4,95,600/-		
	ii) Maint of inspection path1 Dls per hac	118 Hac	118nos	350/-	41,300/-		
	iii) Maint of Fire line cutting @ 1 Dls	118 Hac	118nos	350/-	41,300/-		
	iv) Add 40% escalation value on item 8 (i) to 8 (iii)			6860/-	8,09,480/-		
	Sub Total				**13,87,680/-**		
	6th Year Operation						
	i). Tending =1 weeding@ 12 per hac (12x118)=1416			350/-	4,95,600/-		
	ii) Maint of inspection path1 Dls per hac	118 Hac	118nos	350/-	41,300/-		
	iii) Maint of Fire line cutting @ 1 Dls	118 Hac	118nos	350/-	41,300/-		
	iv) Add 50% escalation value of item 9 (i) to 9 (iv)	118 Hac		7350/-	8,67,300/-		
	Sub Total				**14,45,500/-**		
10)	**7th Year Operation**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	118 Hac	590nos	350/-	2,06,500/-		
	Add 60% escalation value on item 10 (i)	118 Hac		2800	3,30,400/-		
	Sub Total				**5,36,900/-**		
11)	**8th Year Operation**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	118 Hac	590nos	350/-	2,06,500/-		
	Add 70% escalation value on item 11 (i)	118 Hac		1225/-	1,44,550/-		
	Sub Total				**3,51,050/-**		
12)	**9th Year Operation per Hac**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	118 Hac	590nos	350/-	2,06,500/-		
	Add 80% escalation value on item 12 (i)	118 Hac		1400	1,65,200/-		
	Sub Total				**3,71,700/-**		
13)	**10th Year Operation Per Hac**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	118 Hac	590nos	350/-	2,06,500/-		
	Add 80% escalation value on item 12 (i)	118 Hac		1400	1,65,200/-		
	Sub Total				**3,71,700/-**		
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 10000/-= (154.09 hac)=1,20,00,000/-			12,00,000/-	**1,20,00,000/-**		

	...st of OBT Type labour shied 2 room for workers at Plantation side ...to 25 Hac = 2,40,000/- (5x240000)= 12,00,000				**12,00,000/-**		
	...).Const. of Modified barsha type standard size quarter for ever 50 hac = 1 nos (5x787000)= 39,35,000/-				**39,35,000/-**		
	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/-**		
)	Approval of Foottrack to plantation in the area where necessary	118		657/-	**77,526/-**		
)	Entry point activities @ Rs 14300/- per hac	118		14300/-	**16,87,400/-**		
0)	Provision for soil and moisture conservation structure where needed @ 7200/- per hac (25% of 118 hac = 22 Hac)			7200/-	**8,49,600/-**		
		Total			**4,54,51,092/-**		
		Or Say			**4,54,51,000/-**		

(Rupees Four Crore Fifty Four Lakhs Fifty One Thousand)Only

(CHUKHU LOMA)
Divisional Forest Officer
Bomdila Forest Division
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