Annexure "C"

ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATATION UNDER BOMDILA FOREST DIVISION

1. **Name of the Project :- Construction of 120.266 Hac for Const of Transmission line 132 KV D/C Khupi- Bomdila by Power grid Corporation of India Ltd.**

2. **User Agency :-. BY DEPARTMENT OF POWER**
3. **Forest Area Proposed for Diversion : - 120.266 Hac**
4. **Area of CA :- 240.532 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	240.532 Hac	264585nos	Rs 19/-	50,27,119/-		
1)	Survey Demarcation & pre of Map @ 4 Dls/Hact	240.532 Hac	962 nos	Rs 1470/-	14,14,140/-		
	Sub Total				**64,41,259/-**		
2)	**CREATION**						
	i).Clearance of Jungle Per Hac 15 Dls	240.532 Hac	3608 nos	350/-	12,62,800/-		
	ii)Alignment of Pits per hac 10 Dls	240.532 Hac	2405 nos	350/-	8,41,750/-		
	iii)Digging of Pits Per Hac 22 Dls	240.532 Hac	5292 nos	350/-	18,52,200/-		
	iv) Preparation of Thala by uprooting debries by spade around pit- 100 cum dia 22 Dls	240.532 Hac	5292 nos	350/-	18,52,200/-		
	v)Transportation/Carrying of seedling to the planting site i/c planting of seedling @ 20 Dls	240.532 Hac	4811 nos	350/-	16,83,850/-		
	vi)Making of I/path 1 mtr wide @ 3 Dls per Hac	240.532 Hac	722 Nos	350/-	2,52,700/-		
	vii)Fire line cutting 3 mtr wide along the periphery @ 5 Dls/Hac	240.532 Hac	1203 nos	350/-	4,21,050/-		
	Viii) Add over head 5% Sl No. i to vii @ per hac 1838 x 240.266	240.532 Hac		1838/-	4,42,098/-		
	ix) Errection of barbed wire Fencing (5 Stand) 100 RMT Periphery per Hac Rs 18400/-	240.532 Hac		18400/-	44,16,000/-		
	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	240.532 Hac					
	1.3 for 4th year						
	1.4 for 5th year			23368/-	56,20,752/-		
	1.5 for 6th year			350/-	40,32,000/-		
	xi) Tending =4th weeding@12 mandays per hac=48x240.532 = 11520			53114/-	1,27,47,360/-		
	xii) Add 10% escalation value on total of item 2(i) to (xi)				**3,37,57,490/-**		
	Sub total						
3)	**Raising of seedling for casualty replacement per hac**						
	3rd year 15% = 165 nos			19/-	**12,54,000/-**		
	4th year 10% = 110 nos total = 275 x 240 ha = 66000 nos						
4)	**Maintainance of Plantation 1st Year**	240.532 Hac	39687 nos	19/-	7,54,068/-		
	i) Cost of Sapling for Casuality replacement= 165 nos per hac @ 7 Dls	240.532 Hac	1684 nos	350/-	5,89,400/-		
	ii) Casuality replacement 15% @ 7 Dls per hac	240.532 Hac	8659 nos	350/-	30,30,650/-		
	iii)Tending 3 weeding (12 x 3= 36 Dls per Hac)	240.532 Hac	240nos	350/-	84,000/-		
	iv) Maint of inspection path1 Dls per hac	240.532 Hac	240nos	350/-	84,000/-		
	v) Maint of Fire line cutting @ 1 Dls	240.532 Hac		770/-	1,85,210/-		
	Add over head 5%				**47,27,328/-**		
	Sub Total						
5)	**Maintainance of Plantation 2nd Year**	240.532 Hac	5773 nos	350/-	20,20,550/-		
	i)Tending 2 weeding (12 Dls per hac x 2= 24 Dls per hac)	240.532 Hac	1203 nos	350/-	4,21,050/-		
	ii) Casuality replacement 5 Dls per hac	240.532 Hac	240nos	350/-	84,000/-		
	iii) Maint of inspection path1 Dls per hac	240.532 Hac	240nos	350/-	84,000/-		
	iv) Maint of Fire line cutting @ 1 Dls	240.532 Hac		630/-	1,51,535/-		
	Add. over head 5%				**27,61,135/-**		
	Sub Total						
6)	**Maintainance of Plantation 3rd Year**	240.532 Hac	2886 nos	350/-	30,24,000/-		
	i)Tending 3 weeding = 12 Dls per hac (36x240)=8640@350/-	240.532 Hac	240nos	350/-	84,000/-		
	iii) Maint of inspection path1 Dls per hac	240.532 Hac	240nos	350/-	84,000/-		
	iv) Maint of Fire line cutting @ 1 Dls	240.532 Hac		350/-	5,88,000/-		
	v) Casuality replacement 15% = 7 Dls x 240= 1680 nos				**37,80,000/-**		
	Sub Total						
7)	**Maintainance of Plantation 4th Year**	240.532 Hac	2886 nos	350/-	20,16,000/-		
	i)Tending 2 weeding = 12 Dls per hac (24x240)=5760	240.532 Hac	240nos	350/-	84,000/-		
	iii) Maint of inspection path1 Dls per hac	240.532 Hac	240nos	350/-	84,000/-		
	iv) Maint of Fire line cutting @ 1 Dls	240.532 Hac		350/-	5,89,050/-		
	v)Casuality replacement 10% @7 Dls per hac						

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	vi) Add 30% escalation value of item 7 (i) to 7 (v)			3465/-	8,31,600/-		
	Sub Total				**36,04,650/-**		
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 (12x240)=2880			350/-	10,08,000/-		
	ii) Maint of inspection path1 Dls per hac	240.532 Hac	240nos	350/-	84,000/-		
	iii) Maint of Fire line cutting @ 1 Dls	240.532 Hac	240nos	350/-	84,000/-		
	iv) Add 40% escalation value on item 8 (i) to 8 (iii)			6860/-	16,46,400/-		
	Sub Total				**28,22,400/-**		
9)	**6th Year Operation**						
	i)Tending 1 weeding = 12 Dls per hac	240.532 Hac	2886 nos	350/-	10,10,100/-		
	ii) Maint of inspection path1 Dls per hac	240.532 Hac	240nos	350/-	84,000/-		
	iii) Maint of Fire line cutting @ 1 Dls	240.532 Hac	240nos	350/-	84,000/-		
	iv) Add 50% escalation value of item 9 (i) to 9 (iv)	240.532 Hac		7350/-	17,64,000/-		
	Sub Total				**29,42,100/-**		
10)	**7th Year Operation**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	240.532 Hac	481 nos	350/-	4,20,000/-		
	Add 60% escalation value on item 10 (i)	240.532 Hac		2800	6,72,000/-		
	Sub Total				**10,92,000/-**		
11)	**8th Year Operation**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	240.532 Hac	481 nos	350/-	4,20,000/-		
	Add 70% escalation value on item 11 (i)	240.532 Hac		1225/-	2,94,000/-		
	Sub Total				**7,14,000/-**		
12)	**9th Year Operation per Hac**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	240.532 Hac	481 nos	350/-	4,20,000/-		
	Add 80% escalation value on item 12 (i)	240.532 Hac		1400	3,36,000/-		
	Sub Total				**7,56,000/-**		
13)	**10th Year Operation Per Hac**						
	i)Maintainance of Fire line & Climber cutting 5 Dls per Hac	240.532 Hac	481 nos	350/-	4,20,000/-		
	Add 80% escalation value on item 12 (i)	240.532 Hac		1400	3,36,000/-		
	Sub Total				**7,56,000/-**		
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/-= (240.532 hac)=1,20,00,000/-			12,00,000/-	**1,20,00,000/-**		

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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 240 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	240.532 Hac		657/-	**1,57,680/-**		
19)	Entry point activities @ Rs 14300/- per hac	240.532 Hac		14600/-	**35,04,000/-**		
20)	Provision for soil and moisture conservation structure where needed @ 7200/- per hac (25% of 240 hac = 60 Hac)			7200/-	**4,32,000/-**		
		Total			**8,80,77,042/-**		
		Or Say			**8,80,77,000/-**		

(Rupees Eight Crore Eighty Lakhs Seventy Seven Thousand)Only

Range Forest Officer
Bomdila Forest Range
Bomdila (A.P.)

(CHUKHU LOMA)
Divisional Forest Officer
Bomdila Forest Division
Bomdila

Divisional Forest Officer
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