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**ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER KHELLONG FOREST**

**DIVISION**

**Name of project** : Construction of Foot Track Kukri to Log Bridge road from 0.00 Km to 5.27 Km .  
**User Agency** : CPWD  
**Location of CA** : Doimara RF  
**Area of CA** : 2.785 ha. or say 3.00 ha.  
**Wages rate (DL)** : 333/-

		Unit	Qty	Rate	Amount	
<b>A</b>	<b>Creation of Nursery</b>					
	Cost of seedlings @ 1100 Nos. / ha.	ha	3300	18	59400	
<b>1</b>	<b>1ST YEAR OPERATION</b>					
	Survey & demarcation and preparation of map @ 4 mandays/ ha.	ha	3.00	1332	3996	
	<b>Sub Total</b>					
<b>2</b>	<b>2ND YEAR OPERATION</b>					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	1000	231.52	231520	
	(ii) Maint. Barbed wire fencing @ 5% of erection cost in each year from 3rd year to 6th year Add.					
	Add 10% 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					
	<b>Sub-Total</b>					
<b>3</b>	<b>Raising of seedlings for casualty replacement</b>	<b>No.</b>	<b>825</b>	<b>18.0</b>	<b>14850</b>	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
<b>4</b>	<b>RAISING OF PLANTATION</b>					
	(i) Clearance of brush wood, planting lines & staking of debris @ 15 mandays/ha.	ha	3.00	53114	159342	
	(ii) Alignment of pits & preparation of stakes, staking @ 10 mandays/ha					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm @ 22 mandays/ha					
	(iv) Preparation of thala by uprooting of debris by hoeing around pits @ 22 mandays/ha					
	(v) Carrying of sapling to the planting site i/c planting of sapling @ 30 mandays (Area II) & 20 mandays (Area-I)/ha					

	(vi) Making of inspection path 1mtr wide @ 3 mandays/ha				
	(vii) Fire line cutting 3mtrs wide along the periphery @ 5 mandays/ha				
	(viii) Tending - 4 weeding @ 12 mandays/weeding/ha				
	Add 10% escalation value on total of item 4(i) to 4(viii)				
<b>5</b>	<b>3RD YEAR OPERATION</b>	<b>ha</b>	3.00	17982	53946
	(i) Tending - 3 weeding @ 12 mandays/ha				
	(ii) Casualty replacement 15%				
	(iii) Maint. of inspection path @ 1 manday/ha				
	(iv) Maint. Of fireline @ 1 manday/ha				
	Add 20% escalation value on total of item 5(i) to 5(iv)				
<b>6</b>	<b>4TH YEAR OPERATION</b>	<b>ha</b>	3.00	14286	42858
	(i) Tending -2 weedings @ 12 mandays/weeding/ha				
	(ii) Casualty replacement 10% @ 7 mandays/ha				
	(iii) Maint. Of inspection path @ 1 manday/ha				
	(iv) Maint. of fireline @ 1 manday/weeding/ha				
	Add 30% escalation value on item 6(i) to 6(iv)				
<b>7</b>	<b>5TH YEAR OPERATION</b>	<b>ha</b>	3.00	6527	19581
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha				
	(ii) Maint. of inspection path @ 1 manday/ha				
	(iii) Maint. Of fire line @ 1 manday/ha				
	(iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii)				
	Add 40% escalation value on item 7(i) to 7(iv)				
<b>8</b>	<b>6TH YEAR OPERATION</b>	<b>ha</b>	3.00	6993	20979
	(i) Tending - 1 weedings @ 12 mandays/weeding/ha				
	(ii) Maint. of inspection path @ 1 mnday/ha.				
	(iii) Maint. of fireline @ 1 manday/ha.				
	Add 50% escalation value on item 8(i) to 8(iii)				
<b>9</b>	<b>7TH YEAR OPERATION</b>	<b>ha</b>	3.00	2664	7992

	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 60% escalation value on total item 9(i)					
<b>10</b>	<b>8TH YEAR OPERATION</b>	<b>ha</b>	3.00	2831	8493	
	(i) Maint. of inspection path / fireline & climbing cutting @ 5 mandays/ha					
	Add 70% escalation value on item 10(i)					
	<b>Sub-Total</b>					
<b>11</b>	<b>9TH YEAR OPERATION</b>	<b>ha</b>	3.00	2997	8991	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 80% escalation value on total of item 11(i)					
<b>12</b>	<b>10TH YEAR OPERATION</b>	<b>ha</b>	3.00	3164	9492	
	(i) Maint. of inspection path / fireline & climber cutting @ 5 mandays/ha					
	Add 90% escalation value on total of item 12 (i)					
13	Approach foot track to plantation in area where necessary	Rmt	500	6.57	3285	
14	Monitoring, Supervision (POL, Maint. of vehicles, including TE etc.) @ 12% and Contingency @ 3% to meet up unseen expenditure i.e 15% on item No.1 to16 plus Nursery cost to meet the unforeseen expenditure Rs.644725/-				96709	
15	Provision for soil and moisture conservation structures (where needed) @ Rs. 7200/- per ha.	ha	3.00	7200	21600	
				<b>Total</b>	<b>763034</b>	
					or say Rs.763000	

(Rupees seven lakh sixty three thousand ) only

Prepared by

  
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