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ESTIMATE FOR RAISING PENAL COMPENSATORY AFFORESTATION PLANTATION UNDER SHERGOAN

FOREST DIVISION

Name of Project

Const. of 132 KV T/L single circuit of 28.947 km length from Dikshi Power House to existing Fridline Balipara-Khuppi, near Nichupu.

User Agency

Devi Energies Pvt.Ltd.

Location of CA

Shergaon VFR

Area of CA

4.52 ha

Perimeter

850 Rmt.

Wages rate (DL)

333/-

Sl. No.	Item of works	Unit	Qty	Rate	Amount	Remarks
A	Creation of Nursery 1100 Nos per ha (spacing 3m x 3m)	No.	4972	18	89496	
1	1ST YEAR OPERATION					
	Survey & demarcation and preperation of map @ 5 DL/ ha.	Ha	4.52	1665	7526	
	Add paid holidays @ 18.63%					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	850.00	214.00	181900	
	(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					
3	Raising of seedlings for casualty replacement	No.	1243	18.00	22374	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total= 275 Nos.					
4	RAISING OF PLANTATION					
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 D/L per ha.	Ha	4.52	53480	241730	
	(ii) Alignment of pits & preparation of stakes, staking					
	(iii) Digging of pits 30 Cm X 30 Cm X 30 Cm					
	(iv) Transportation of seedlings to the planting site i/c planting of seedling					
	(v) Making of inspection path 1mtr wide					
	(vi) Fire line cutting 3mtrs wide along the periphery					

	(vii) Tending - 4 weeding					
	(viii) Add paid holiday @ 18.63%					
	Add 10% escalation value on total of item 4(i) to 4(viii)					
5	3RD YEAR OPERATION					
	(i) Tending - 3 weeding	Ha	4.52	21179	95729	
	(ii) Casualty replacement 15%					
	(iii) Maint. of inspection path					
	(iv) Maint. Of fireline					
	(v) Add paid holiday @ 18.63 % on item 5 (i) to 5 (iv)					
	Add 20% escalation value on total of item 5(i) to 5(v)					
6	4TH YEAR OPERATION					
	(i) Tending -2 weedings	Ha	4.52	16883	76311	
	(ii) Casualty replacement 10%					
	(iii) Maint. Of inspection path					
	(iv) Maint. of fireline					
	(v) Add paid holiday @ 18.63% on item 6(i) to 6 (iv)					
	Add 30% escalation value on item 6(i) to 6(v)					
7	5TH YEAR OPERATION					
	(i) Tending - 1 weedings	Ha	4.52	7925	35821	
	(ii) Maint. of inspection path					
	(iii) Maint. Of fire line					
	(iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii)					
	Add 40% escalation value on item 7(i) to 7(iv)					
8	6TH YEAR OPERATION					
	(i) Tending - 1 weedings	Ha	4.52	8492	38384	
	(ii) Maint. of inspection path @ 1 DL/ ha.					
	(iii) Maint. of fireline @ 1DL/ha.					
	(iv) Add paid holiday @ 18.63% on item 8(i) to 8 (iii)					
	Add 50% escalation value on item 8(i) to 8(iv)					
9	7TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	4.52	3197	14450	
	(ii) Add paid holiday 18.63% item 9(i)					
	Add 60% escalation value on total item 9(i) to 9(ii)					
10	8TH YEAR OPERATION					

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	(i) Maint. of inspection path / fireline & climbing cutting	Ha	4.52	3397	15354	
	(ii) Add paid holiday @ 18.63% on total of item 10(i)					
	Add 70% escalation value on item 10(i) to 10 (ii)					
11	9TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	4.52	3596	16254	
	(ii) Add paid holiday @ 18.63% on item 11 (i)					
	Add 80% escalation value on total of item 11(i) to 11 (ii)					
12	10TH YEAR OPERATION					
	(i) Maint. of inspection path / fireline & climber cutting	Ha	4.52	3796	17158	
	(ii) Add paid holiday @ 18.63% on item 12 (i)					
	Add 90% escalation value on total of item 12 (i) to 12 (ii)					
13	Approach foot track to plantation in area where necessary	Rmt	500	5.71	2855	
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 to 13 plus nursery cost over 855342/-				128301	
15	Entry point Activities at the rate of Rs. 13,000/- per ha.	Ha	4.52	13000	58760	
16	Provision for soil and moisture conservation structures (where needed) @ Rs. 6200/- per ha.	Ha	4.52	6200	28024	
				Grand Total	1070427	
				or say	1070400	

(Rupees ten lakh seventy thousand four hundred) only

Prepared by:

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Rajesh
26.9.2019

(Rajesh)
PCCF & Nodal Officer (FCA)