

## ESTIMATE FOR RAISING COMPENSATORY AFFORESTATION PLANTATION UNDER HAPOLI FOREST DIVISION.


Name of project	:-	Heo HEP (240 MW)
User Agency	:-	M/s Heo Hydro Power Private Limited
Location of CA	:-	KASSIN PUTU VFR
Area of CA	:-	8.4 Ha
Wages of D/LS	:-	267/-

Sl.No.	Item of works	Unit	Qty.	Rate	Amount	Remarks
A	Creation of Nursery					
	Cost of seedlings @ 1100 Nos. / ha.8.4 ha	Ha	9240	18	166320	
1	1ST YEAR OPERATION					
	Survey & demarcation and preparation of map @ 5 DL/ ha.	Ha	8.40	1335	11214	
	Add paid holidays @ 18.63%					
	Sub Total					
2	2ND YEAR OPERATION					
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	1650	214	353100	
	(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					
	Sub-Total					
3	Raising of seedlings for casualty replacement	No.	4263	18.0	76725	
	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	8.40	42880	360192	
	(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)					
	Sub-Total					
5	3RD YEAR OPERATION	Ha	8.40	16981	142640	
	(i) Tending - 3 weeding					
	(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)					
	Sub-Total					
6	4TH YEAR OPERATION	Ha	8.40	13537	113711	
	(i) Tending -2 weedings					
	(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)					

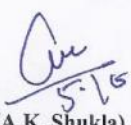


	Add 30% escalation value on item 6(i) to 6(v)					
	<b>Sub-Total</b>					
7	<b>5TH YEAR OPERATION</b>	<b>Ha</b>	8.40	6355	53382	
	(i) Tending - 1 weedings					
	(ii) Maint. of inspection path					
	(iii) Maint. Of fire line					
	(iv) Add paid holiday @ 18.63% on item 7(i) to 7 (iii)					
	Add 40% escalation value on item 7(i) to 7(iv)					
	<b>Sub-Total</b>					
8	<b>6TH YEAR OPERATION</b>	<b>Ha</b>	8.40	6809	57196	
	(i) Tending - 1 weedings					
	(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)					
	<b>Sub-Total</b>					
9	<b>7TH YEAR OPERATION</b>	<b>Ha</b>	8.40	2563	21529	
	(i) Maint. of inspection path / fireline & climber cutting					
	(ii) Add paid holiday 18.63% item 9(i)					
	Add 60% escalation value on total item 9(i) to 9(ii)					
	<b>Sub-Total</b>					
10	<b>8TH YEAR OPERATION</b>	<b>Ha</b>	8.40	2723	22873	
	(i) Maint. of inspection path / fireline & climbing cutting					
	(ii) Add paid holiday @ 18.63% on total of item 10(i)					
	Add 70% escalation value on item 10(i) to 10 (ii)					
	<b>Sub-Total</b>					
11	<b>9TH YEAR OPERATION</b>	<b>Ha</b>	8.40	2884	24226	
	(i) Maint. of inspection path / fireline & climber cutting					
	(ii) Add paid holiday @ 18.63% on item 11 (i)					
	Add 80% escalation value on total of item 11(i) to 11 (ii)					
	<b>Sub-Total</b>					
12	<b>10TH YEAR OPERATION</b>	<b>Ha</b>	8.40	3044	25570	
	(i) Maint. of inspection path / fireline & climber cutting					
	(ii) Add paid holiday @ 18.63% on item 12 (i)					
	Add 90% escalation value on total of item 12 (i) to 12 (ii)					
	<b>Sub-Total</b>					
13	Approach foot track to plantation in the area where necessary	<b>Rmt</b>	3000	5.7	17130	
	<b>Sub Total (1 to 13 + Nursery)</b>				1445807	
14	Monitroning, Supervision (POL,Maint,of Vachical, Including TE etc.) @12% and Contingency 3% to meet up unseen expenditure i.e.15% on item No.1 to 18 plus Nursery cost to meet the unforeseen expenditure <b>Rs. 1445807/-</b>				216871	
15	Entry Point Activities at the rate of Rs. 13000/- per ha.	<b>Ha</b>	8.40	13000	109200	
16	Provision for soil and moisture conservation structures (where needed) @ Rs.6200/- per ha.	<b>Ha</b>	8.40	6200	52080	
	<b>Sub Total</b>				1823959	
	<b>Or Say</b>				1824000	
	<b>(Rupees Eighteen lakh Twenty Four thousand only)</b>					

Prepared by:-

  
(D. Paul)

Addl. Chief Estimator  
O/o The PCCF& Prl. Secretary (E&F)

  
(A.K. Shukla)  
PCCF (ENV&CC) &  
Nodal Officer (FCA)