ESTIMATE FOR RAISING PENAL COMPENSATORY AFFORESTATION PLANTATION UNDER BANDERDEWA FOREST DIVISION

Name of Project

Const. Of 15 MW Papum Hydro Electric Project

User Agency

M/s Sonam Hydro Power Pvt.Ltd.

Location of CA

Papum RF

Area of CA

13.90 ha.

Wages rate (DL)

333/-

S1.	Item of works	Unit	Qty	Rate	Amount	Remarks
A	Creation of Nursery 1100 Nos per ha (spacing 3m x 3m)	No.	15290	18	275220	
1	1ST YEAR OPERATION					
1		На	13.90	1665	23144	
	Survey & demarcation and	Па	10.50	1000		
	prepration of map @ 5 DL/ ha.					
	Add paid holidays @ 18.63%			1		
2	2ND YEAR OPERATION		2000	214 00	447260	
	(i) Erection of barbed wire fence (5 strand) fencing per 100 Rmt.	Rmt	2090	214.00	447260	
	(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.	3823	18.00	68814	
	3rd year 15%=165 Nos					
	4th year 10%= 110 Nos. Total=					
	275 Nos.]			
4	RAISING OF PLANTATION		10.00	E0.400	743372	1
	(i) Clearance of brush wood, planting lines & staking of debries @ 15 D/L per ha.	На	13.90	53480	743372	
	(ii) Alignment of pits &					
	preparation of stakes, staking					
	(iii) Digging of pits 30 Cm X 30			1		
	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%					

5	Add 10% escalation value on total of item 4(i) to 4(viii) 3RD YEAR OPERATION (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	На	13.90	21179	294388	
6	(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)	На	13.90	21179	294388	
6	(ii) 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)	На	13.90	21179	294388	
6	(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)	Ha	13.90	21179	294388	
6	(iii)Maint. of inspection path (iv) Maint. Of fireline (v) Add paid holiday @ 18.63 % on item 5 (i) to 5 (iv)					
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6	on item 5 (i) to 5 (iv)					
6						
6	Add 20% escalation value on					
6						
	total of item 5(i) to 5(v) 4TH YEAR OPERATION					
1,	Martin Committee	2200				
li i	(i) Tending -2 weedings	На	13.90	16883	234674	
12	(ii) Casualty replacement 10%					
	(iii) Maint. Of inspection path					
	(iv) Maint. of fireline					
	(v) Add paid holiday @ 18.63%					
16	on item 6(i) to 6 (iv)					
	Add 30% escalation value on					
	item 6(i) to 6(v)					
	5TH YEAR OPERATION					
	(i) Tending - 1 weedings	На	13.90	7925	110158	
	(ii) Maint. of inspection path					
	(iii) Maint. Of fire line					
Ì	(iv) Add paid holiday @ 18.63%					
	on item 7(i) to 7 (iii)					
ll.	Add 40% escalation value on					
	item 7(i) to 7(iv)					
	6TH YEAR OPERATION					
15	(i) Tending - 1 weedings	На	13.90	8492	118039	
15	(ii) Maint. of inspection path @					
	(iii) Maint. of fireline @ 1DL/ha.					
	(iv) Add paid holiday @ 18.63%					
10	on item 8(i) to 8 (iii)					
- 11	Add 50% escalation value on					
	item 8(i) to 8(iv)					
1	7TH YEAR OPERATION					
ll ll	(i) Maint. of inspection path /	На	13.90	3197	44438	
18	fireline & climber cutting					
- 11	(ii) Add paid holiday 18.63%					
	item 9(i)					
- 11	Add 60% escalation value on					
10	total item 9(i) to 9(ii) 8TH YEAR OPERATION					
		TT	10.00	2007	47010	
- 11	(i) Maint. of inspection path /	На	13.90	3397	47218	
	fireline & climbing cutting					
- 11	(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				10001	
	(i) Maint. of inspection path /	На	13.90	3596	49984	
	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)					
12	10TH YEAR OPERATION					
	(i) Maint. of inspection path /	На	13.90	3796	52764	
	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)					
13	Approach foot track to	Rmt	5560	5.71	31748	
10	plantation in area where					
	necessary					
14	Monitoring, Supervision (POL,				381184	
	Maint.of vehicles, including TE				-	
	etc.) @ 12% and Contingency @					
	3% to meet up unseen					
	expenditure i.e.15% on item					
	No.1 to 14 plus nursery cost		1		1	
	over Rs.2541221/-					
15	Provision for soil and moisture	На	13.90	6200	86180	
	conservation structures (where	95.788				
	needed) @ Rs. 7000/- per ha.		Grand Total		3008585	
				or say	3008600	
				d six hundred)		

Prepared by:

(D.Paul), Addl.Chief Estimator

O/o the Principal Chief Conservator of Forests

Itanagar.

(R.K.Singh)

PCCF (A & V)

& Nodal Officer (FCA)