: Diversion of 2.4957 Ha. of Forest Land for Construction of Pakhnoj-II Full Title of Project SHEP 5.00 MW, Tehsil Manali, Forest Division Kullu, Distt. Kullu (H.P.) File No. Proposal No. : FP/HP/HYD/145089/2021 Date of Proposal : 20/04/2022

CHECK LIST SERIAL NUMBER 18 "SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed Scheme for Compensatory Afforestation to be carried diversion of forest land 2.4957 x 2 = 4.9914 or say 5.0 ha. for the construction of PAKHNOJ-II (5.00 MW) SEHP with in jurisdiction under Nagar Range, Forest division Kullu.

1. Details of degraded forest land/ non forest land:-

District:-Kullu Manali Tehsil:-Village:- Soyal (Barsai Beat) Nagar Range:-Name of Forest Division: -Kullu Block/ Compartment/ Survey No. UPF BARSAI-III

Area to be afforested:- 5.0 Ha.

2. Description of area:-

1.1

- Whether the site selected for compensatory afforestation is a land bank or not:- Yes i.
- If the CA site is other than the land bank, reasons be given:- No ii.
- In case of non forest area identified in from A, then what is the distance of CA site from the iii. adjoining forest boundary :-
- Soil type:- loamy iv.
- Topography :- a) Hilly v.

b) Medium

vi. Whether the area is bearing any root stock of vegetation:- yes

Plantation Model:- Departmental

Copy of the approved compensatory afforestation scheme/model showing component wise physical and financial break up is enclosed.

3. Schedule of Plantation Programme:-

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Detail of year wise break up of requirement of funds is as under:-

Sr. No.	Year	Rate
	New Plantation	11796
1	1st Year Maintenance	1832
2	2nd Year Maintenance	1487
3	3rd Year Maintenance	1141
4	4th Year Maintenance	1141
5	5th Year Maintenance	1141
6	6th Year Maintenance	1141
7	7th Year Maintenance	1141
8	8th Year Maintenance	11410
9	9th Year Maintenance	11410
10	10th Year Maintenance	11410
	Grand Total	242430
	Area to be taken for compensatory afforestation (in	
	Ha.)	5.00
	Cost of CA (242430 x 5.0)	1212150
	Or Say	1212150
	Total	1212150
	Add 17.50 % Departmental Charged	212126.25
	Add 5% contingency charges	60607.5
	Grand Total	1484883.75
	Or Say	1484890

4. Technical details:-

Technical details of compensatory afforestation scheme are as follows:-

a) General Details: - The land bank indentified in Village Soyal Phati Soyal of Barsai Beat is bank patches where coniferous species will be planted at the pit 30x30X30 cm size respectively. The area will be protected by barbed wire fencing.

b) Spacing :-

Coniferous Deo 3X3 mtr

- (c) **Species** :- Coniferous
- (d) Plantation Method:- Contour Planting.
- (e) Soil Moisture Conservation Works:- M.R.I. included in the C.A
- (f) Protection (Fencing, Watchman, People's Participation etc.)
- (g) Proposed Monitoring Mechanism : Department .
- (h) Any other information :- Nil

Range Forest Officer Forest Range Officer Nagar Forest Range

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Divisional Forest Officer Kullu Forest Officer Kullu, District Kullu, H.P.

BILL OF COMPENSATORY AFFORESTATION SCHEME

In lieu 2.4957 hectares of forest area to be diverted for the Construction of PAKHNOJ-II (5.00 MW) SHEP in Nagar Forest Range, Forest Division Kullu, District Kullu, Himachal Pradesh

	Sr. No	r articulars of Works		Uni	t Q		andays olved	Amount at wage rate of Rs. 350/- for	
	A	Survey, Demarcation & Fencing					er eu	non Tribal areas.	
	1	Survey and demarcation of plantation a							
	2	Preparation/ Purchase CD and	ea	Hec.		1	0.68	238.00	
	\vdash	Preparation/ Purchase of RCC fence pos	st	Nos.		50 Rs.3	58.00		
	3	Carriage of RCC Fence Post upto 165 c	m long	+	_	per	No.	17900.00	
				Nos.		50	22.33		
	4 1	reparation/Digging of holes of 2012016	0xcm for	-			22.55	7815.50	
				inos.		50	3.02	1057.00	
I	5 F	ixing of RCC fence posts in concrete i/c		1	+			1057.00	
ŀ		erriege of D/	struiting	Nos.		50	2.39	826.50	
	6	arriage of B/wire over distance 2Km hil/downhill		per Km per				836.50	
				gntl.	0.7	75	0.74	250.00	
	7 Sti	retching and fixing of Barbed wire in 4 s						259.00	
	8 Int	arlaging Cut	stands	Rmt.	60	0	19.2	6720.00	
	<u> </u>	erlacing of thorny bushes along the fence	e li	Rmt.	15	1		0720.00	
		st of Barbed wire			1 15		4.09	1431.50	
				Qntl.	0.75	Rs.6510		4882.50	
-			Total-A	Survey D	1	per Qnt	1	4002.30	
	B Plar			/Survey, D	emarcati			41140.00	
-		ting				Or S	Say	41140.00	
-	2 Digg	cutting in strip (3mX3m)	H	ec.					
-	2 Digg 3 Fillin	ing of pits of 45x45x45cm size	N		1100		.95	2782.50	
-		g of pits of 45x45x45cm size			1100	69.	_	24486.00	
1	Carri	age of plants in P/bags over distance 2 k	(m			19.	95	6982.50	
;	Jupinn	downnill.	No	os.	1100	27.	87	9754.50	
,	Const	ng of plants raised in P/bags	No	s.	1100	1.5.4			
,	Const	ruction of Inspection Path	Rm		100	15.9	_	5596.50	
-		f Sign Board, Carriage & Fixing	No.		100	7.3	_	2565.50	
-					Total	L B/Plantin	<u>s</u>	450.00	
-	IC				10141,-			52617.50	
_	Cost of	P/bags plants	Nos.		1100	Or Sa		52620.00	
-		1	fotal Co	st of New P	Plantation	2		24200.00	
-	let Vee					Or Say		117960.00	
-	Re-diag	r Maintenance (30% Beating up)				Of Say		117960.00	
-	Filling o	ing of pits 45x45x45 cm	Nos.		330	10.49			
-	Carriago	f pits 45x45x45cm	Nos.		330	5.98		3671.50	
	unbill/do	of plants in P/bags over distance 2 Km wnhill/plant	Nos.			5.98		2093.00	
-	Planting	of plants as in 11 p.			330	4.80		1680.00	
	Repair of	of plants raised in P/bags	Nos.		330	8.36			
1	Cost of D	bags plants	Rmt		60	0.72		2926.00	
1	2000 01 F/	oago plants	Nos.		330	22		252.00	
						G. Total		7700.00	
-						Or Say		18322.50	
						JI Say		18320.00	

	2nd Year Maintenance (20% Beating up)		والمعرق المراسب والمعار (حراج رام والمعامول والروا		
1	Re-digging of pits 45x45x45 cm	Nos	220	20	
2	Filling of pits 45x45x45cm		220	and the second se	2450)
3	Carriage of plants in P/bags over distance 2 Kr	n l	220	3.99	1396
	uphill/downhill	Nos.	220	3.20	1120.
4	Planting of P/bags plants	Nos.	220		and the second
5	Repair of fencing	Rmt.			1949
é	Cost of P/bags plants	No.	60	0.7.0	252.0
		1140.	220	22	7700.0
				G. Total	14868.0
	3rd Year Maintenance (10% Beating up)			Or Say	14870.0
1	Re-digging of pits 45x45x45 cm	Nos.	110	2.4	
2	Filling of pits 45x45x45cm	Nos		3.5	1225.0
3	Carriage of plants in P/bags over distance 2 Km	INOS.	110	1.99	696.5
,	uphill/downhill.	Nos.	110	1.60	560.0
4	Planting of P/bag plants	N			
5	Repair of fencing	Nos.	110	2.79	976.5
6	Cost of P/bags plants	Rmt.	60	0.72	252.0
	i cue puno	Nos.	110	22	7700.0
				Total	11410.0
	4th Veer Meintenen (100/ D			Or Say	11410.00
1	4th Year Maintenance (10% Beating up)				
2	Re-digging of pits 45x45x45 cm Filling of pits 45x45x45cm	Nos.	110	3.5	1225.00
	Corrigon of all a state and a stat	Nos.	110	1.99	696.50
3	Carriage of plants in P/bags over distance 2 Km	Nos.	110	1.60	560.00
	uphill/downhill.	NOS.			200.00
	Planting of P/bag plants	Nos.	100	2.79	976.50
	Repair of fencing	Rmt.	60	0.72	
6	Cost of P/bags plants	Nos.	110	22	252.00
				Total	7700.00
				Or Say	11410.00
	5th Year Maintenance (10% Beating up)			OF Say	11410.00
1	Re-digging of pits 45x45x45 cm	Nos.	110	3.5	
2	Filling of pits 45x45x45cm	Nos.	110		1225.00
3	Carriage of plants in P/bags over distance 2 Km	1103.	110	1.99	696.50
	uphill/downhill.	Nos.	110	1.60	560.00
1 1	Planting of P/bag plants	Nos.	110		
	Repair of fencing	Rmt.	110	2.79	976.50
, (Cost of P/bags plants	Nos.	60	0.72	252.00
		NOS.	110	22	7700.00
				Total	11410.00
6	oth Year Maintenance (10% Beating up)			Or Say	11410.00
H	Re-digging of pits 45x45x45 cm		1		
F	Filling of pits 45x45x45cm	Nos.	110	3.5	1225.00
6	Carriage of plants in P/bags over distance 2 Km	Nos.	110	1.99	696.50
u	phill/downhill.	Nos.	110	1.60	560.00
	Planting of P/bag plants				
	in ff	Nos.	110	2.79	976.50
	out of D/have alaste	Rmt.	60	0.72	252.00
	and of Frongs plants	Nos.	110	22	7700.00
				the space is the balance of the second se	//00.00
				Total	11410.00

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t		ncy charges and Total	60607.50 1484883.75		
ŀ		tal Charged	212126.25		
		Total	1212150 1212150.00		
F		Or Say	1212150.0000		
\vdash	Area to be taken f	ion (in Ha.) 2430 x 5.0)	5.00		
H	Area to be taken f	ion (in II.)	242430.00		
T	Tot otal Cost of New Plantation + Maintenance for 1100	of 10 years	124470.00		
\vdash		Or Say	11410.00		
-				Total	11410.00
	6 Cost of P/bags plants	Nos.	110	22	7700.00
	5 Repair of fencing	Rmt.	60	0.72	252.00
	uphill/downhill. Planting of P/bag plants	Nos. Nos.	110	2.79	976.50
	Carriage of plants in P/bags over distance 2 Km	Nos.	110	1.99	696.50 560.00
1		Nos.	110	3.5	1225.00
<u>⊢</u> ,	10th year Maintenance (10% Beating up)	b .			
<u> </u>		Or Say	11410.00		
				Total	11410.00
6	Cost of P/bags plants	Nos.	110	22	7700.00
5	Repair of fencing	Rmt.	60	0.72	252.00
4	Planting of P/bag plants	Nos.	110	2.79	976.50
3	Carriage of plants in P/bags over distance 2 Km uphill/downhill.	Nos.	110	1.60	560.00
2	Filling of pits 45x45x45cm	Nos.	110	1.99	696.5
1	Re-digging of pits 45x45x45 cm	Nos.	110	3.5	1225.0
1	9th Year Maintenance (10% Beating up)	N	1		
	Oth Vegr Maintanance (100/ D-4			Or Say	11410.0
				Total	11410.0
0	Cost of 170ags plants	Nos.	110	22	7700.0
6	Cost of P/bags plants	Rmt.	60	0.72	252.0
5	Repair of fencing	Nos.	110	2.79	976.
3	uphill/downhill. Planting of P/bag plants	Nos.			
	Carriage of plants in P/bags over distance 2 Km		110	1.59	560.
	Filling of pits 45x45x45cm	Nos.	110	1.99	<u> </u>
	Re-digging of pits 45x45x45 cm	Nos.	110	3.5	1225.
	8th Year Maintenance (10% Beating up)			Or Say	11410.
				Total	11410
	Cost of P/bags plants Nos. 110			22	7700
	Cost of P/bags plants	Rmt.	60	0.72	252
	Repair of fencing	Nos.	110	2.79	976
u	phill/downhill. Planting of P/bag plants	Nos.			
	Carriage of plants in P/bags over distance 2 Km	1103.	110	1.60	560
	illing of pits 45x45x45cm	Nos.	110	1.99	696
K	e-digging of pits 45x45x45 cm	Nos.	110	3.5	1225

Range Forest Officer Forest Range Naggar

Divisional Forest Officer Kullu Forest Division Kullu

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