

## COMPENSATORY AFFORESTATION BILL

In lieu of diversion of 1.6201 hectare of forest land in favour of M/s Dinesh Butail Hydro Power, Bandla Tea Estate Palampur Distt. Kangra HP for the construction of Grahan Kasol SHEP (5.0 MW) within the jurisdiction of Parvati Forest Division

### PER HECTARE COST NORM FOR MODEL PLANTTATION UNDER

1100 plant per Ha with RCC fence post, Area taken for CA = 1.6201 x 2 = 3.2402 or say 3.5Ha. Species to be planted conifer & Oak 50% - 50%)

S.No.	Particulars of work	Unit	Qty	Mandays involved	Wage rate @ 375 for N.T. areas
<b>A</b>	<b>SURVEY, DEMARCATION &amp; FENCING</b>				
1.	Survey & demarcation of plantation area	Ha.	1	0.67	251
2.	Preparation/purchase of RCC fence post @ 358 per post (including GST)	No	50	0	17900
3.	Carriage of RCC fence post upto 165 cm long over a distance of 2 KM uphill/downhill	Km/ no	50	22.33	8374
4.	Preparation /digging of holes of 20x30x50 cm	No.	50	3.02	1133
5.	Fixing of RCC fence post i/c strutting	No.	50	2.39	896
6.	Carriage of B/wire over distance of 2 Kms uphill/downhill	Km/ qtl	0.75	0.74	278
7.	Stretching & fixing of B/wire in 4 strands	Rmt.	600	8	3000
8.	Interlacing of thorny bushes along the fence	Rmt.	150	4.09	1534
9.	Cost of B/wire	Qtl.	0.75	0	5000
	<b>Total-A</b>				<b>38366</b>
<b>B</b>	<b>PLANTING:-</b>				
1.	Bush cutting in strips (3m x 3m)	Ha.	1	7.95	2981
2.	Digging of pits 45x45x45 cm	No.	1100	69.96	26235
3.	Filing of Pits 45x45x45 cm	No.	1100	19.95	7481
4.	Carriage of plants in P. bags (uphill/downhill 2 Km)	Km/ no.	1100	27.87	10451
5.	Planting of plants raised in P/bags	No.	1100	15.99	5996
6.	Construction of inspection path	Rmt.	100	7.33	2749
7.	Cost of sign board, carriage & fixing	No.	0	0	2000
8.	Cost of Nur. Plants @ Rs.24	No.	1100	0	26400
	<b>Total-B</b>				<b>84293</b>
	<b>Total (A+B)</b>				<b>122659</b>
	New Plantation				122659
	10% increase				12266
	<b>Total amount of New Plantation</b>				<b>134925</b>

#### 1. Schedule for Plantation Programme.

S.N.	Particulars	Unit	Qty.	Mandays involved	Wage Rate @ Rs.375
	<b>1<sup>ST</sup> YEAR MAINTENANCE</b>				
1	Re-digging of pits 45x45x45cm	No.	330	10.49	3934
2	Filling of pits 45x45x45cm	No.	330	5.99	2246
3	Planting of plants raised in P/bags	No.	330	4.79	1796
4	Carriage of plants in P/bags	Km/No	330	8.36	3135
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	330	0	7920
	<b>Total</b>				<b>19301</b>

<b>2<sup>ND</sup> YEAR MAINTENANCE</b>					
1	Re-digging of pits 45x45x45cm	No.	220	7	2624
2	Filling of pits 45x45x45cm	No.	220	3.99	1496
3	Planting of plants raised in P/bags	No.	220	3.20	1199
4	Carriage of plants in P/bags	Km/No	220	5.57	2090
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	220	0	5280
<b>Total</b>					<b>12959</b>
<b>3<sup>RD</sup> YEAR MAINTENANCE</b>					
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1312
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	600
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
<b>Total</b>					<b>6615</b>
<b>4<sup>th</sup> YEAR MAINTENANCE</b>					
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1312
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	600
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
<b>Total</b>					<b>6615</b>
<b>5<sup>th</sup> YEAR MAINTENANCE</b>					
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1312
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	600
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
<b>Total</b>					<b>6615</b>
<b>6<sup>th</sup> YEAR MAINTENANCE</b>					
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1312
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	600
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
<b>Total</b>					<b>6615</b>
<b>7<sup>th</sup> YEAR MAINTENANCE</b>					
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1312
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	600
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
<b>Total</b>					<b>6615</b>
<b>8<sup>th</sup> YEAR MAINTENANCE</b>					

1	Re-digging of pits 45x45x45cm	No.	110	3.50	1312
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	600
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
	<b>Total</b>				<b>6615</b>
	<b>9<sup>th</sup> YEAR MAINTENANCE</b>				
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1312
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	600
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
	<b>Total</b>				<b>6615</b>
	<b>10<sup>th</sup> YEAR MAINTENANCE</b>				
1	Re-digging of pits 45x45x45cm	No.	110	3.50	1312
2	Filling of pits 45x45x45cm	No.	110	1.99	748
3	Planting of plants raised in P/bags	No.	110	1.60	600
4	Carriage of plants in P/bags	Km/No	110	2.79	1045
5	Repair of fencing	Rmt	60	0.72	270
6	Cost of Nr/plants	No.	110	0	2640
	<b>Total</b>				<b>6615</b>
	<b>Total (Maintenance)</b>				<b>8518</b>
	@10% increase				<b>93698</b>
	<b>Total Maintenance cost</b>				<b>228623</b>
	<b>Total (Plantation + Maintenance)</b>				<b>800181</b>
	<b>Cost of CA for 3.5 hectare area</b>				<b>140032</b>
	<b>Add 17.5% Departmental charges</b>				<b>40009</b>
	<b>Add 5% contingency charges</b>				<b>980221</b>
	<b>Grand Total</b>				
<b>Rupees Nine Lac eighty Thousand Two Hundred Twenty One only</b>					

*tk:*  
 Divisional Forest Officer,  
 Parvati Forest Division at Shamshi.