

No/D-BLP/Balhi to Chuwari(0.486) 6333

HP Forest Department  
Dated, Bilaspur the

11/8/2022

To :-

Executive Engineer,  
HPPWD Division,  
Ghumarwin, Distt. Bilaspur, HP.

Subject:-

Diversion of 0.486 hectare of forest land in favour of HPPWD for the construction of link road from Balhi to Chuwari Km 0/0 to 1/00 within the jurisdiction of Bilaspur Forest Division.

Sir,

Reference your office letter.No. PW/GHD/WA/FOREST CASE/2022-12361 dated 26.07.2022 on the subject cited above.

The revised CA & Penal CA Schemes have been worked out on current wage rates. Resultantly, the following differential amount on a/c of CA & Penal CA is required to be deposited as per detail given below:-

Sr. No.	Particulars of amount required to be deposited into ADHOC-CAMPA Account	Total amount of CA on current rates	Amount already deposited	Differential amount required to be deposited
1	Cost of CA	217335	165051	52284
2	Cost of Penal CA	326002	247576	78426
3	Contingencies on CA @5%	10867	6458	4409
4	Contingencies on PCA @5%	16300	9686	6614
	<b>Total</b>	<b>570504</b>	<b>428771</b>	<b>141733</b>
<b>II AMOUNT REQUIRED TO BE DEPOSITED IN THE STATE GOVT. TREASURY</b>				
1	Departmental charges on CA @17.5% of cost of CA	38034	22601	15433
2	Departmental charges on Penal CA @17.5% of cost of CA	57050	33902	23148
	<b>Total</b>	<b>95084</b>	<b>56503</b>	<b>38581</b>
<b>III Taxes</b>				
1	GST @ 18% on cost of F/Posts & B/Wire for CA Scheme	4101	3129	972
2	GST @ 18% on cost of F/Posts & B/Wire for PCA Scheme	6151	4693	1458
	<b>Total</b>	<b>10252</b>	<b>7822</b>	<b>2430</b>

Divisional Forest Officer,  
Bilaspur Forest Division  
Bilaspur, HP.

**{COMPENSATORY AFFORESTATION- FENCING WITH RCC FENCE POSTS} Norms for new plantation in Non-tribal areas (at wage rate of Rs. 300/- for non tribal areas)**

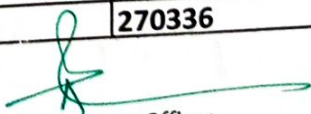
*Modal : 1100 Plants per hectare- Activity-wise calculations)*

**CHECK LIST SERIAL NUMBER:18**

Sr. No.	Particulars Of Works	Unit	Qty	Rate per unit at the wage rate of 150/-	Manday's involved	Amount at wage rate of Rs. 300/- for Non-Tribal areas
A	SURVEY, DEMACATION & FENCING:-					
1	Survey & Demarcation of Plantion Area	Ha.	1	101.00	0.67	202
2	Prepration/ Purchase of RCC Fence Post	No.	50	358.00	0.00	17900
3	Carriage of RCC Fence Post upto 165 cm long over a distance of 2 km uphill/ downhill	KM/No.	50	33.50	22.33	6700
4	Preparation/ Digging og Holes of 20x30x50 cm	No.	50	9.06	3.02	906
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	2.39	716
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qtl.	0.75	73.65	0.74	220.95
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	19.20	5760
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	4.09	1227
9	Cost of Barbed wire	Qtl.	0.75	6510.00	0.00	4882
Total -A / Survey, Demarcation & Fencing:						38513.95
					Or Say	38500
B	PLANTING:-					
1	Bush Cutting in Strips (3mx3m)	Ha.	1	1192.80	7.95	2385.6
2	Digging of Pits of 45x45x45 cm Size	No.	1100	9.54	69.96	20988
3	Filling of Pits of 45x45x45 cm Size	No.	1100	2.72	19.95	5984
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	1100	1.90	27.87	8360
5	Planting of Plants Raised in P/Bags	No.	1100	2.18	15.99	4796
6	Consturction of Inspection Path	Rmt.	100	11.00	7.33	2200
7	Cost of Sign Board, Carriage& Fixing	No.	0	L/S	0.00	450
Total - B/ Planting:						45163.60
					Or Say	45160
Total Fencing and Planting (A+B)						83660
Norms for Maintenance of Old Plantation in Non-Tribal Areas						
C	MAINTENANCE					
1st year maintenance (30% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	330	4.77	10.49	3148.2
2	Filling of pits 45X45X45 cms	No	330	2.72	5.98	1795.2
3	Planting of Plants Raised in P/Bags	No	330	2.18	4.80	1438.8
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	330	1.90	8.36	2508
5	Repair of fencing	Rmt	60	1.80	0.72	216
Total 1st year maintenance					Or Say	9106.20
						9100
2nd year maintenance (20% beating up of failures)						
1	Re - Digging of pits 45X45X45 cms	No	220	4.77	7.00	2098.8
2	Filling of pits 45X45X45 cms	No	220	2.72	3.99	1196.8
3	Planting of Plants Raised in P/Bags	No	220	2.18	3.20	959.2
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	220	1.90	5.57	1672

5	Repair of fencing	RMT	60	1.80	0.72	216
	<b>Total 2nd year maintenance</b>					<b>6142.8</b>
					<b>Or Say</b>	<b>6140</b>
	<b>3rd year to 10th maintenance (10% beating up of failures)</b>					
1	Re - Digging of pits 45X45X45 cms	No	110	4.77	3.50	1049.4
2	Filling of pits 45X45X45 cms	No	110	2.72	1.99	598.4
3	Planting of Plants Raised in P/Bags	No	110	2.18	1.60	479.6
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	110	1.90	2.79	836
5	Repair of fencing	RMT	60	1.80	0.72	216
	<b>Total 3rd year maintenance</b>					<b>3179.4</b>
					<b>Or Say</b>	<b>3180</b>
1	4th year Maintenance					<b>3180</b>
2	5th year Maintenance					<b>3180</b>
3	6th year Maintenance					<b>3180</b>
4	7th year Maintenance					<b>3180</b>
5	8th year Maintenance					<b>3180</b>
6	9th year Maintenance					<b>3180</b>
7	10th year Maintenance					<b>3180</b>
	<b>Total (C) Maintenance cost for 10 years</b>					
						<b>40680</b>
	<b>Activity</b>	<b>Name of component</b>	<b>Non tribal Areas (Amt in Rs.)</b>			
	Cleaning of areas infested with invasive Alien Species upto 75%	(Year-1)- Clearing of new areas	31630.00			
(Year-11) 1st Maint. Of cleared areas		6920.00				
(Year-III) 2nd Maint. Of cleared areas		4250.00				
year-IV)-3rd Maint. Of cleared areas		4250.00				
	<b>Total cost including Maint.</b>		<b>47050.00</b>			
E	<b>TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)=</b>					<b>171390.00</b>
	<b>Full Title of the Project:</b>					
	Diversion of 0.486 hectare of forest land in favour of HPPWD for the construction of link road from Balhi to Chuwari Km 0/0 to 1/00 within the jurisdiction of Bilaspur Forest Division.					
	<b>File No.:</b>	FP/HP/Road/8199/2014				
	<b>Date of Proposal:</b>	21.11.2014				
	<b>"SCHEME FOR COMPENSATORY AFFORESTATION"</b>					
1	<b>Detail of degraded forest land/non-forest land:-</b>					
	<b>District</b>	Bilaspur	<b>Village</b>	Bariyance		
	<b>Tehsil</b>	Sadar				
	<b>Name of Division</b>	Bilaspur	<b>Range</b>	Sadar		
	<b>Block/Compartment</b>	DPF Bariyance				
	<b>Area to be afforested (in hac)</b>				<b>1</b>	
2	<b>Description of area:</b>					<b>YES</b>
(i)	Whether the site selected for Compensatory Afforestation is a land bank or not:					<b>N.A.</b>
(ii)	If the CA site is other than the land blank, reasons be given					<b>N.A.</b>
(iii)	In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary					
(iv)	<b>Soil Type:</b>	Sandy loom mixed with rocky strata				
(v)	<b>Topography:</b>					
	(a): Hilly					
	(b): Slope: Medium				<b>No</b>	
(vi)	Whether the area is bearing any root stock of vegetation:					
3	<b>Schedule of Plantation Programme:</b>					

(A) Detail of yearwise break up of requirement of funds is as under				
Year	Area in Hact	Rate P/hac		
0 <sup>th</sup> Year Fencing & Planting	1.00	83660		
1 <sup>th</sup> Year	1.00	9100		
2 <sup>nd</sup> Year	1.00	6140		
3 <sup>rd</sup> Year	1.00	3180		
4 <sup>th</sup> Year	1.00	3180		
5 <sup>th</sup> Year	1.00	3180		
6 <sup>th</sup> Year	1.00	3180		
7 <sup>th</sup> Year	1.00	3180		
8th year	1.00	3180		
9th year	1.00	3180		
10th year	1.00	3180		
Total (A):-	1.00	124340		
(B) Cleaning of areas infested with invasive Alien Species upto 75%.				
Year	Area in Hact	Rate P/hac		
Year New	1.00	31630.00		
1 <sup>th</sup> Year	1.00	6920.00		
2 <sup>nd</sup> Year	1.00	4250.00		
3rd year	1.00	4250.00		
Total (B)		47050.00		
Gross Total for 1 Hact (A+B):-	1.00	171390.00		
Total C.A. Expenditure for raising of CA		1	171390.00	
4 Technical details:				
Technical details of Compensatory Afforestation Scheme are as follows:				
a)	General Details: The area will be closed to improve the vegetation cover to enhance the moisture and water level			
b)	Spacing: 3.00x3.00			
c)	Species: Khair, Shisham, Chil and medical species i.e. Harar, Behra, Amla, Arjun Ritha, Jamun etc.			
d)	Plantation Method: Triangular Planting/ Pit digging.			
e)	Soil and Moisture Conservation Works: Small scale engineering work will be carried out to enhance the moisture and water level in the area.			
f)	Protection (Fencing, Watch Man, People's Participation etc.):			
g)	Proposed Monitoring Mechanism:- As per guidelines.			
h)	Any other information:- Nil			
Detail of Plants to be Planted:			1	Hact.
a	Area to be afforested:		1100	Nos.
b	Number of plants to be afforested per Hact.:		2530	Nos.
c	Total number of plants including maintenance:		18.16	P/plant
d	Cost per plant		45945	
Total Cost of plants			217335.00	
Total CA+ Cost of plants=			10867	
Contingency Charges @5%			38034	
Departmental Charges @ 17.5%			4101	
GST @ 18% on cost of Fence Posts and B/Wire			270336	
G. Total CA Scheme =				

  
 Divisional Forest Officer,  
 Bilaspur Forest Division,  
 Bilaspur (M.P.)

**{Penal COMPENSATORY AFFORESTATION- FENCING WITH RCC FENCE POSTS} Norms for new plantation**  
**in Non-tribal areas (at wage rate of Rs. 300/- for non tribal areas)**  
*Modal : 1100 Plants per hectare- Activity-wise calculations)*

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Sr. No.	Particulars Of Works	Unit	Qty	Rate per unit at the wage rate of 150/-	Manday's involved	Amount at wage rate of Rs. 300/- for Non-Tribal areas
<b>A</b>	<b>SURVEY, DEMACATION &amp; FENCING:-</b>					
1	Survey & Demarcation of Plantion Area	Ha.	1	101.00	0.67	202
2	Prepration/ Purchase of RCC Fence Post	No.	50	358.00	0.00	17900
3	Carriage of RCC Fence Post upto 165 cm long over a distance of 2 km uphill/ downhill	KM/No.	50	33.50	22.33	6700
4	Preparation/ Digging og Holes of 20x30x50 cm	No.	50	9.06	3.02	906
5	Fixing of RCC Fence Post i/c Strutting	No.	50	7.16	2.39	716
6	Carriage of B/Wire over distance 2 Kms uphill/downhill	KM/Qtl.	0.75	73.65	0.74	220.95
7	Stretching & Fixing of Barbed Wire in 4 Strands	Rmt.	600	4.80	19.20	5760
8	Interlacing of Thorny Bushes along the Fence	Rmt.	150	4.09	4.09	1227
9	Cost of Barbed wire	Qtl.	0.75	6510.00	0.00	4882
	<b>Total -A / Survey, Demarcation &amp; Fencing:</b>					<b>38513.95</b>
<b>B</b>	<b>PLANTING:-</b>				<b>Or Say</b>	<b>38500</b>
1	Bush Cutting in Strips (3mx3m)	Ha.	1	1192.80	7.95	2385.6
2	Digging of Pits of 45x45x45 cm Size	No.	1100	9.54	69.96	20988
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6	Consturction of Inspection Path	Rmt.	100	11.00	7.33	2200
7	Cost of Sign Board, Carriage& Fixing	No.	0	L/S	0.00	450
	<b>Total - B/ Planting:</b>					<b>45163.60</b>
	<b>Total Fencing and Planting (A+B)</b>				<b>Or Say</b>	<b>45160</b>
	<b>Norms for Maintenance of Old Plantation in Non-Tribal Areas</b>					<b>83660</b>
<b>C</b>	<b>MAINTENANCE</b>					
	<b>1st year maintenance (30% beating up of failures)</b>					
1	Re - Digging of pits 45X45X45 cms	No	330	4.77	10.49	3148.2
2	Filling of pits 45X45X45 cms	No	330	2.72	5.98	1795.2
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4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	KM/No.	330	1.90	8.36	2508
5	Repair of fencing	Rmt	60	1.80	0.72	216
	<b>Total 1st year maintenance</b>					<b>9106.20</b>
	<b>2nd year maintenance (20% beating up of failures)</b>				<b>Or Say</b>	<b>9100</b>
1	Re - Digging of pits 45X45X45 cms	No	220	4.77	7.00	2098.8
2	Filling of pits 45X45X45 cms	No	220	2.72	3.99	1196.8
3	Planting of Plants Raised in P/Bags	No	220	2.18	3.20	959.2
4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	220	1.90	5.57	1672

5	Repair of fencing	RMT	60	1.80	0.72	216
	Total 2nd year maintenance					6142.8
					Or Say	6140
	3rd year to 10th maintenance (10% beating up of failures)					
1	Re - Digging of pits 45X45X45 cms	No	110	4.77	3.50	1049.4
2	Filling of pits 45X45X45 cms	No	110	2.72	1.99	598.4
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4	Carriage of Plants in P. Bags over distance 2 Km uphill/downhill	No	110	1.90	2.79	836
5	Repair of fencing	RMT	60	1.80	0.72	216
	Total 3rd year maintenance					3179.4
					Or Say	3180
1	4th year Maintenance					3180
2	5th year Maintenance					3180
3	6th year Maintenance					3180
4	7th year Maintenance					3180
5	8th year Maintenance					3180
6	9th year Maintenance					3180
7	10th year Maintenance					3180
	Total (C) Maintenance cost for 10 years					
						40680
	Activity	Name of component	Non tribal Areas (Amt in Rs.			
	Cleaning of areas infested with invasive Alien Species upto 75%	(Year-1)- Clearing of new areas	31630.00			
		(Year-11) 1st Maint. Of cleared areas	6920.00			
		(Year-III) 2nd Maint. Of cleared areas	4250.00			
		year-IV)-3rd Maint. Of cleared areas	4250.00			
	Total cost including Maint.		47050.00			
E	TOTAL NEW + MAINTENANCE + CLEANING (A+B+C+D)=					171390.00
	Full Title of the Project:					
	Diversion of 0.486 hectare of forest land in favour of HPPWD for the construction of link road from Balhi to Chuwari Km 0/0 to 1/00 within the jurisdiction of Bilaspur Forest Division.					
	File No.:	FP/HP/Road/8199/2014				
	Date of Proposal:	21.11.2014				
	"SCHEME FOR COMPENSATORY AFFORESTATION (PENAL)"					
1	Detail of degraded forest land/non-forest land:-					
	District	Bilaspur	Village	Bariyance		
	Tehsil	Sadar				
	Name of Division	Bilaspur	Range	Sadar		
	Block/Compartment	DPF Bariyance				
	Area to be afforested under Penal CA (5times of broken area i.e 0.30x5(in hac)				1.5	
2	Description of area:					
(i)	Whether the site selected for Compensatory Afforestation is a land bank or not:					YES
(ii)	If the CA site is other than the land blank, reasons be given					N.A.
(iii)	In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary					N.A.
(iv)	Soil Type:	Sandy loom mixed with rocky strata				
(v)	Topography:					
	(a): Hilly					
	(b): Slope: Medium					
(vi)	Whether the area is bearing any root stock of vegetation:					No

### 3 Schedule of Plantation Programme:

(A) Detail of yearwise break up of requirement of funds is as under

Year	Area in Hact	Rate P/hac		
0 <sup>th</sup> Year Fencing & Planting	1.00	83660		
1 <sup>th</sup> Year	1.00	9100		
2 <sup>nd</sup> Year	1.00	6140		
3 <sup>rd</sup> Year	1.00	3180		
4 <sup>th</sup> Year	1.00	3180		
5 <sup>th</sup> Year	1.00	3180		
6 <sup>th</sup> Year	1.00	3180		
7 <sup>th</sup> Year	1.00	3180		
8th year	1.00	3180		
9th year	1.00	3180		
10th year	1.00	3180		
<b>Total (A):-</b>	<b>1.00</b>	<b>124340</b>		

(B) Cleaning of areas infested with invasive Alien Species upto 75%.

Year	Area in Hact	Rate P/hac		
Year New	1.00	31630.00		
1 <sup>th</sup> Year	1.00	6920.00		
2 <sup>nd</sup> Year	1.00	4250.00		
3rd year	1.00	4250.00		
<b>Total (B)</b>		<b>47050.00</b>		
<b>Gross Total for 1 Hact (A+B):-</b>	<b>1.00</b>	<b>171390.00</b>		
<b>Total C.A. Expenditure for raising of PCA</b>		<b>1.5</b>	<b>257085.00</b>	

#### 4 Technical details:

Technical details of Compensatory Afforestation Scheme are as follows:

- General Details: The area will be closed to improve the vegetation cover to enhance the moisture and water level
- Spacing: 3.00x3.00
- Species: Khair, Shisham, Chil and medical species i.e. Harar, Behra, Amla, Arjun Ritha, Jamun etc.
- Plantation Method: Triangular Planting/ Pit digging.
- Soil and Moisture Conservation Works: Small scale engineering work will be carried out to enhance the moisture and water level in the area.
- Protection (Fencing, Watch Man, People's Participation etc.):
- Proposed Monitoring Mechanism:- As per guidelines.
- Any other information:- Nil

#### Detail of Plants to be Planted:

a	Area to be afforested:	1.5	Hact.
b	Number of plants to be afforested per Hact.:	1100	Nos.
c	Total number of plants including maintenance:	3795	Nos.
d	Cost per plant	18.16	P/plant
	<b>Total Cost of plants</b>	<b>68917</b>	
	<b>Total CA+ Cost of plants=</b>	<b>326002.00</b>	
	Contingency Charges @5%	16300	
	Departmental Charges @ 17.5%	57050	
	GST @ 18% on cost of Fence Posts and B/Wire	6151	
	<b>G. Total PCA Scheme =</b>	<b>405504</b>	

Divisional Forest Officer,  
Bilaspur Forest Division,  
Bilaspur, HP.  
Distt. Bilaspur (H.P.)