

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land					
District					Degraded forest
Tehsil					Mandi.
Name of Division					Sadar
Area to be afforested					Mandi
					10 Ha
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.
1	Kataula	Kataula	Algan DPF	10	H53E1
Description of area					
(i)	Whether the site selected for CA is land bank or not				
(ii)	If the CA site is other than land bank, reason be given				
(iii)	In case of non forest area indentified for CA than what is the				
(iv)	Soil Type				
(v)	Topography a) Hilly/Universal/Plain				
(vi)	b) Slope; steep/Medium/ Gentle				
(vii)	Whether the area is bearing any root stock of vegetation				
3	Plantation Model:- Copy of approved Compensatory				
4	Schedule of Plantation Programme				
Detail of year wise break up of requirement of funds is as under:-					
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing					
S.No.	Particulars including soil & Moisture conservation.		Qty. in ha	Rate in Rs. (per ha)	Amount
1	Survey ,Demarcation and Fencing		10	38500	385000
	PLANTING		10	45160	451600
				Total	836600
Maintenance					
2	1 st year		10	9100	91000
	2 nd year		10	6140	61400
	3 rd year to 10 th year maintenance (8 years)		10	3180	254400
				Total	406800
3	Soil conservation works		10	1,00,000	1000000
4	Removal of invasive species		10	32750	327500
				Total	1327500
				Total	2570900
A	Grand Total (1 to 4)				
	GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=500 (Total fence post=500 x 358 per hac=179000@ 18% =32220/-				
B	Nursery cost	Area	No. of Plants/ha	Total Plants	Rate per plant
		10	1100	11000	23
C	Cost of trees for maintenance @ 70% of original planted plants				23
	Total B&C				430100
	Total (A+B+C)				3001000
D	Contingence 5% over the C.A. Scheme				150050
	Total (A+B+C+D)				3151050
E	Departmental charges @ 17.5%				551434
	Total amount for 10 hac CA Scheme (A+B+C+D+E)				3702484

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

a.	General detail	Remarks
b.	Spa cement	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.
c.	Species	3mx3m
d.	Plantation method	Broad leave.
e.	Soil & moisture conservation works;	Pit digging.
f.	Protection	Work shall be carried out for the same.
g.	Proposed Monitoring Mechanism	Fencing & people participation.
h.	Any other information	As per guidelines.
		Nil.

Note:-(i) Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000
Note:-(ii)	GST on Cost of fence post @ 18%			32220

Deputy Conservator of Forests,
Mandi Forest Division Mandi

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SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 14.85 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		14.85 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Kataul	kataula	Arnehad
Description of area		Area in ha.	
		14.85	
Survey sheet No.		H43F1	
(i) Whether the site selected for CA is land bank or not (ii) If the CA site is other than land bank, reason be given (iii) In case of non forest area identified for CA than what is the (iv) Soil Type (v) Topography a) Hilly/Universal/Plain (vi) b) Slope; steep/Medium/ Gentle (vii) Whether the area is bearing any root stock of vegetation 3 Plantation Model:- Copy of approved Compensatory 4 Schedule of Plantation Programme			
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.		Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing		14.85
	PLANTING		14.85
	Total		29.70
2	Maintenance		14.85
	1 st year		9100
	2 nd year		6140
	3 rd year to 10 th year maintenance (8 years)		3180
	Total		60408
3	Soil conservation works		1,00,000
4	Removal of invasive species		32750
	Total		1747000
	Grand Total (1 to 4)		3593449
A	GST on cost of fence posts = 14.85 Hac. Per hac. 50 Fence post=743(Total fence post=743x 358 per hac=265815@ 18% =47847/-		
B	Nursery cost	No. of Plants/ha	Rate per plant
	Area	1100	23
C	Cost of trees for maintenance @ 70% of original planted plants	11435	23
	Total B&C		638699
	Total (A+B+C)		4232148
D	Contingence 5% over the C.A. Scheme		211607
	Total (A+B+C+D)		4443755
E	Departmental charges @ 17.5%		777657
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		5221412

Technical Detail:-**Technical detail of compensatory afforestation is as under:-**

Technical detail of compensatory afforestation is as under:-		Remarks
a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.
b.	Spa cement	3mx3m
c.	Species	Broad leave.
d.	Plantation method	Pit digging.
e.	Soil & moisture conservation works;	Work shall be carried out for the same.
f.	Protection	Fencing & people participation.
g.	Proposed Monitoring Mechanism	As per guidelines.
h.	Any other information	Nil.

Note:-(i) Rate of fence post has been charged Rs. 358/- rupees per fence post as fixed by Pr. CCF,H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
14.85	50	742.5	358	265815
Note:(ii)	GST on Cost of fence post @ 18%			47847

[Signature]
Deputy Commissioner of Forests
Mandi District, Mandi (H.P.)

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SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 78.64 HECTARE TO BE CARRIED OUT IN LIEU OF 39.32 HECTARE OF AREA TO BE DIVERTED FOR THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

Detail of degraded forest/Non Forest land Non Forest land.

District

Tehsil

Name of Division

Area to be afforested

S.No. Name of Forest Range Block Name of Muhal Area in ha. Survey sheet No.

1. Kataula Kataula & Bagi Badaun. 78.64 H-43F1

2. Description of Area

(i) Whether the site selected for CA in land bank or not

(ii) If the CA site is other than land bank, reason be given

(iii) In case of non forest area identified for CA than what is the adjoining forest boundary

(iv) Soil type

(v) Topography a) Hilly/Universal/Plain

(vi) b) Slope, Steep/Medium/Gentle

(vii) Whether the area is bearing any root stock of vegetation

3. Plantation Model:- Copy of approved compensatory afforestation

4. Schedule of Plantation programme

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

S.N. Particulars including soil & Moisture conservation.

Qty in hectares Rate in Rs. (per hect.) Amount Remarks.

1. Compensatory afforestation (1100 plants/hac.) with RCC Fence Post and 4-strand Barbed wire fencing.

Fencing 78.64 29200 2296288

Planting 78.64 34000 2673760

Total 4970048

2. Maintenance

1st Year 78.64 6650 538684

2nd Year 78.64 4600 361744

3rd Year to 10th year maintenance 78.64 2400 1509888

Total 2410316

3. Soil Conservation works 78.64 50000 3932000

Grand Total 1 to 3 11312364

B Contingencies charges @ 5% 563618

C Departmental charges @ 17.5% 1979664

D GST on cost of fence post (Total fence post=4718x@300= 1415400x18%=254772/- 254772

E Nursery cost @86504x23 plants 1989592

F Cost of trees for maintenance @ 70% of original planted plants@ 1100x78.64=86504x70%=60553x23=1392719/- 1392719

Total amount for 78.64 hect. CA Scheme (A+B+C+D+E+F) 17494729

Technical Detail

Technical detail of compensatory afforestation is as under

a) General detail

The area shall be closed to improve vegetation cover in

				the locality to enhance the moisture and water table.
b)	Spacement			3mx3m
c)	Species			Broad leave.
d)	Plantation method			Pit digging.
e)	Soil & moisture conservation works			Work shall be carried out for the same.
f)	Protection			Fencing & people participation.
g)	Proposed Monitoring Mechanism			As per guidelines.
h)	Any other information			-Nil-
Note: (i)	Rate of fence post has been charged Rs.300/- per fence post as fixed byt Pt.CCF,H.P. vide letter No., Ft.48-66/2016(FCA) dated 24 th June 2017. Thus the amount is calculated accordingly as under.			
Area in ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount
78.64	60	4718	300/-	1415400
Note: (ii)	GST on Cost of fence post @ 18%.	1415400-x18%=254772		254772

Place:-Mandi

Dated: 1.3.2019



(S.S.Kashyap)HPFS,
Divisional Forest Officer,
Mandi Forest Division,Mandi.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		10 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Kataula	Kataula	DPF Badon
Description of area		Area in ha.	
(i) Whether the site selected for C.A is land bank or not		10 ha	
(ii) If the C.A site is other than land bank, reason be given		53E/1	
(iii) In case of non forest area indentified for CA than what is the		Yes.	
(iv) Soil Type		-	
(v) Topography a) Hilly/Universal/Plain		Sandy loam	
(vi) b) Slope: steep/Medium/ Gentle		Hilly	
(vii) Whether the area is bearing any root stock of vegetation		Medium	
3	Plantation Model:- Copy of approved Compensatory		Bushes.
4	Schedule of Plantation Programme		Attached.
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.		Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing		10
	PLANTING		10
			385000
			45160
			836600
2	Maintenance		
	1 st year		10
	2 nd year		10
	3 rd year to 10 th year maintenance (8 years)		10
	Total		3180
3	Soil conservation works		1,00,000
4	Removal of invasive species		5
	Total		32750
	Total		1163750
A	Grand Total (1 to 4)		2407150
GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=500(Total fence post=500 x 358 per hac=179000@ 18% =32220/-			
0			
B	Nursery cost	Area	No. of Plants/ha
		10	1100
			11000
			7700
C	Cost of trees for maintenance @ 70% of original planted plants		23
	Total B&C		23
	Total (A+B+C)		253000
D	Contingence 5% over the C.A. Scheme		177100
	Total (A+B+C+D)		430100
E	Departmental charges @ 17.5%		2837250
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		141863
			2979113
			521345
			3500457

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.

Remarks

a.	General detail					
b.	Spa cement	3mx3m				
c.	Species	Broad leave.				
d.	Plantation method	Pit digging.				
e.	Soil & moisture conservation works;	Work shall be carried out for the same.				
f.	Protection	Fencing & people participation.				
g.	Proposed Monitoring Mechanism	As per guidelines.				
h.	Any other information	Nil.				

Note:-(i) Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000
Note:-(ii)	GST on Cost of fence post @ 18%			32220

Deputy Conservator of Forests
Madia Forest Division Mandi

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 17.72 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THIANA PLAIN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		17.72 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Panarsa	Shivv badar	Banail
Description of area		Area in ha.	
		17.72	
(i) Whether the site selected for CA is land bank or not		Survey sheet No.	
(ii) If the CA site is other than land bank, reason be given		H43F2	
(iii) In case of non forest area indentified for CA than what is the		Yes.	
(iv) Soil Type		-	
(v) Topography a) Hilly/Universal/Plain		Sandy loam	
(vi) b) Slope: steep/Medium/ Gentle		Hilly	
(vii) Whether the area is bearing any root stock of vegetation		Medium	
3	Plantation Model:- Copy of approved Compensatory	Bushes.	
4	Schedule of Plantation Programme	Attached.	
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.	Qty. in ha	Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing	17.72	38500
	PLANTING	17.72	45160
		Total	1482455
	Maintenance		
2	1 st year	17.72	9100
	2 nd year	17.72	6140
	3 rd year to 10 th year maintenance (8 years)	17.72	3180
		Total	720850
3	Soil conservation works	17.72	1,00,000
4	Removal of invasive species	9	32750
		Total	2066750
A	Grand Total (1 to 4)		4270055
GST on cost of fence posts = 17.72 Hac. Per hac. 50 Fence post=886(Total fence post=886x 358 per hac=317188@ 18% =57094/-			
0			
B	Nursery cost	Area	No. of Plants/ha
		17.72	1100
C	Cost of trees for maintenance @ 70% of original planted plants	19492	23
	Total B&C	13644	23
	Total (A+B+C)		762137
D	Contingence 5% over the C.A. Scheme		5032192
	Total (A+B+C+D)		251610
E	Departmental charges @ 17.5%		5283802
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		924665
			6208467

Technical Detail:-**Technical detail of compensatory afforestation is as under:-**

a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.	Remarks
b.	Spa cement	3mx3m	
c.	Species	Broad leave.	
d.	Plantation method	Pit digging.	
e.	Soil & moisture conservation works;	Work shall be carried out for the same.	
f.	Protection	Fencing & people participation.	
g.	Proposed Monitoring Mechanism	As per guidelines.	
h.	Any other information	Nil.	

Note:-(i) Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
17.72	50	886	358	317188
GST on Cost of fence post @ 18%				57094
Note:-(ii)				

Deputy Conservator of Forests
Mandi Forest Division Mandi (H.P.)

CHECK LIST SERIAL NO.17.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS **DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 5.58 HECTARE TO BE CARRIED OUT IN LIEU OF 2.79 HECTARE OF AREA TO BE DIVERTED FOR THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL**

Detail of degraded forest/Non Forest land				Non Forest land.	
District				Mandi.	
Tehsil				Sadar	
Name of Division				Mandi.	
Area to be afforested				5.58	
S.No.	Name of Forest Range	Block	Name of Muhal	Area in ha.	Survey sheet No.
1.	Drang	Drang	Basa	5.58	H43E13
Description of Area					
(i)	Whether the site selected for CA in land bank or not				No.
(ii)	If the CA site is other than land bank, reason be given				-
(iii)	In case of non forest area identified for CA than what is the adjoining forest boundary				-
(iv)	Soil type				Sandy loam.
(v)	Topography a) Hilly/Universal/Plain				Hilly.
(vi)	b) Slope, Steep/Medium/Gentle				Medium.
(vii)	Whether the area is bearing any root stock of vegetation				Bushes.
3.	Plantation Model:- Copy of approved compensatory afforestation				Attached.
4.	Schedule of Plantation programme				-
Detail of year wise break up of requirement of funds as under:-					
S.N.	Particulars including soil & Moisture conservation.	Qty in hectares.	Rate in Rs. (per hect.)	Amount	Remarks.
1.	Compensatory afforestation (1100 plants/hac.) with RCC Fence Post and 4-strand Barbed wire fencing.				
	Fencing	5.58		29200	162936
	Planting	5.58		34000	189720
	Total				352656
2.	Maintenance				
	1 st Year	5.58		6850	38223
	2 nd Year	5.58		4600	25668
	3 rd Year to 10 th year maintenance	5.58		2400	107136
	Total				171027
3.	Soil Conservation works	5.58		50000	279000
A	Grand Total 1 to 3				802683
B	Contingencies charges @ 5%				40134
C	Departmental charges @ 17.5%				140469
D	GST on cost of fence post (Total fence post=335@300=100500x18%=18090/-)				18090
E	Nursery cost @6138x23 plants				141174
F	Cost of trees for maintenance @ 70% of original planted plants@ 1100x5.58=6138x70%=4297x23=98831/-				98831
	Total amount for 3.40 hect. CA Scheme (A+B+C+D+E+F)				1241381
Technical Detail					
Technical detail of compensatory afforestation is as under					
a)	General detail	The area shall be closed to improve vegetation cover in			

					the locality to enhance the moisture and water table.
b)	Spacement				3mx3m
c)	Species				Broad leave.
d)	Plantation method				Pit digging.
e)	Soil & moisture conservation works				Work shall be carried out for the same.
f)	Protection				Fencing & people participation.
g)	Proposed Monitoring Mechanism				As per guidelines.
h)	Any other information				-Nil-
Note: (i)	Rate of fence post has been charged Rs.300/- per fence post as fixed byt Pr.CCF,H.P vide letter No., Ft.48-66/2016(FCA) dated 24 th June 2017. Thus the amount is calculated accordingly as under.				
Area in ha.		Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount
S.58		60	335	300/-	100500/-
Note: (ii)		GST on Cost of fence post @ 18%.	100500x18%=18090		18090/-

Place:-Mandi
Dated: 6.3.2019

S.S.

(S.S.Kashyap)HPFS,
Divisional Forest Officer,
Mandi Forest Division,Mandi.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 103.51 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE FOR DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THIANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		103.51 Ha.	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Kataula	Kataula	Bodandhar
Description of area		Area in ha.	
		103.51	
Survey sheet No.		H43F1	
(i)	Whether the site selected for CA is land bank or not	Yes.	
(ii)	If the CA site is other than land bank, reason be given	-	
(iii)	In case of non forest area indentified for CA than what is the	-	
(iv)	Soil Type	Sandy loam	
(v)	Topography a) Hilly/Universal/Plain	Hilly	
(vi)	b) Slope: steep/Medium/ Gentle	Medium	
(vii)	Whether the area is bearing any root stock of vegetation	Bushes,	
3	Plantation Model:- Copy of approved Compensatory	Attached.	
4	Schedule of Plantation Programme		
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation,	Qty. in ha	Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing	103.51	38500
	PLANTING	103.51	45160
		Total	8659647
2	Maintenance		
	1 st year	103.51	9100
	2 nd year	103.51	6140
	3 rd year to 10 th year maintenance (8 years)	103.51	3180
		Total	4210787
3	Soil conservation works	103.51	1,00,000
4	Removal of invasive species	52	32750
		Total	12054000
Grand Total (1 to 4)			24924433
GST on cost of fence posts = 103.51 Hac. Per hac. 50 Fence post=5176(Total fence post=5176x 358 per hac=1852829@ 18% =333509/-			
0			
B	Nursery cost	No. of Plants/ha	Total Plants
	Area	103.51	1100
			113861
C	Cost of trees for maintenance @ 70% of original planted plants		79703
	Total B&C		
	Total (A+B+C)		
D	Contingence 5% over the C.A. Scheme		
	Total (A+B+C+D)		
E	Departmental charges @ 17.5%		
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		
			2618803
			1833162
			4451965
			29376399
			1468820
			30845218
			5397913
			36243132

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

General detail		Remarks
a.	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.	
b.	3mx3m	
c.	Broad leave	
d.	Pit digging	
e.	Soil & moisture conservation works	Work shall be carried out for the same.
f.	Protection	Fencing & people participation.
g.	Proposed Monitoring Mechanism	As per guidelines.
h.	Any other information	Nil.

Note:-(i) Rate of fence post has been charged Rs. 358/- rupees per fence post as fixed by Pr. CCFJLP. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
103.51	50	5175.5	358	1852829
Note (ii)	GST on Cost of fence post @ 18%			333509

Deputy Commissioner of Forests
Madrasi Forest Division Mandi (P.)

CHECK LIST SERIAL NO.17

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 20 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THIANA PLAUN (191MW) HYDEL ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land					Degraded forest	
District					Mandi.	
Tehsil					Sadar	
Name of Division					Mandi	
Area to be afforested					20 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.	
1	Kataula	Kataula	Bungadhar	20	53A/13	
Description of area						
(i)	Whether the site selected for CA is land bank or not					Yes.
(ii)	If the CA site is other than land bank, reason be given					-
(iii)	In case of non forest area identified for CA than what is the					-
(iv)	Soil Type					Sandy loam
(v)	Topography a) Hilly/Universal/Plain					Hilly
(vi)	b) Slope; steep/Medium/ Gentle					Medium
(vii)	Whether the area is bearing any root stock of vegetation					Bushes.
3	Plantation Model:- Copy of approved Compensatory					Attached.
4	Schedule of Plantation Programme					
Detail of year wise break up of requirement of funds is as under:-						

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

Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing

S.No.	Particulars including soil & Moisture conservation.	Qty. in ha	Rate in Rs. (per ha)	Amount
1	Survey ,Demarcation and Fencing	20	38500	770000
	PLANTING	20	45160	903200
			Total	1673200
	Maintenance			
2	1 st year	20	9100	182000
	2 nd year	20	6140	122800
	3 rd year to 10 th year maintenance (8 years)	20	3180	508800
			Total	813600
3	Soil conservation works	20	1,00,000	2000000
4	Removal of invasive species	10	32750	327500
			Total	2327500
A	Grand Total (1 to 4)			4814300

GST on cost of fence posts = 20 Hac. Per hac. 50 Fence post=1000 (Total fence post=1000 x 358 per hac=358000@ 18% =64440/-

0

B	Nursery cost	Area	No. of Plants/hac	Total Plants	Rate per plant
		20	1100	22000	23
C	Cost of trees for maintenance @ 70% of original planted plants			15400	23
	Total B&C				860200
	Total (A+B+C)				5674500
D	Contingence 5% over the C.A. Scheme				283725
	Total (A+B+C+D)				5958225
E	Departmental charges @ 17.5%				1042689
	Total amount for 10 hac CA Scheme (A+B+C+D+E)				7000914

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

The area shall be closed to improve the vegetation cover in the vicinity to enhance the moisture and water table.

a.	General detail	Remarks
b.	Spa cement	
c.	Species	
d.	Plantation method	
e.	Soil & moisture conservation works,	
f.	Protection	
g.	Proposed Monitoring Mechanism	
h.	Any other information	

Note:-(i)

Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
20	50	1000	358	358000
Note:(ii)	GST on Cost of fence post @ 18%			64440

Deputy Conservator of Forests
Mahanadi Division (H.P.)

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 20 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191NW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land				Degraded forest		
District				Mandi.		
Tehsil				Sadar		
Name of Division				Mandi		
Area to be afforested				20 Ha		
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.	
1	Kataula	Sadar	Ghandharv	20	53A/14	
Description of area						
(i)	Whether the site selected for CA is land bank or not					
(ii)	If the CA site is other than land bank, reason be given					
(iii)	In case of non forest area identified for CA than what is the					
(iv)	Soil Type					
(v)	Topography a) Hilly/Universal/Plain					
(vi)	b) Slope; steep/Medium/ Gentle					
(vii)	Whether the area is bearing any root stock of vegetation					
3	Plantation Model:- Copy of approved Compensatory					
4	Schedule of Plantation Programme					
Detail of year wise break up of requirement of funds is as under:-						
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing						
S.No.	Particulars including soil & Moisture conservation.			Qty. in ha	Rate in Rs. (per ha)	Amount
1	Survey, Demarcation and Fencing			20	38500	770000
	PLANTING			20	45160	903200
					Total	1673200
	Maintenance					
2	1 st year			20	9100	182000
	2 nd year			20	6140	122800
	3 rd year to 10 th year maintenance (8 years)			20	3180	508800
					Total	813600
3	Soil conservation works			20	1,00,000	2000000
4	Removal of invasive species			10	32750	327500
					Total	2327500
A	Grand Total (1 to 4)					4814300
GST on cost of fence posts = 20 Hac. Per hac. 50 Fence post=1000 (Total fence post=1000 x 358 per hac=358000@ 18% =64440/-						
B	Nursery cost		No. of Plants/ha	Total Plants	Rate per plant	
	Area	20	1100	22000	23	506000
C	Cost of trees for maintenance @ 70% of original planted plants		15400	23		354200
	Total B&C					860200
D	Contingence 5% over the C.A. Scheme					5674500
	Total (A+B+C+D)					283725
E	Departmental charges @ 17.5%					5958225
	Total amount for 10 hac CA Scheme (A+B+C+D+E)					1042689
						7000914

Technical Detail:-**Technical detail of compensatory afforestation is as under:-**

The area shall be used to improve the vegetation cover in the vicinity to enhance the moisture and water table.				Remarks
a.	General detail			
b.	Spa cement	3mx3m		
c.	Species	Broad leave.		
d.	Plantation method	Pit digging.		
e.	Soil & moisture conservation works;	Work shall be carried out for the same.		
f.	Protection	Fencing & people participation.		
g.	Proposed Monitoring Mechanism	As per guidelines.		
h.	Any other information	Nil.		

Note-(i)

Rate of fence post has been charged Rs. 358/- rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
20	50	1000	358	358000
Note:(ii)	GST on Cost of fence post @ 18%			64440

Deputy Conservator of Forests
Deputy Forest Officer, Palsagdi (H.P.)
Mandi Forest Division Mandi

CHECK LIST SERIAL NUMBER :- 17

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detail scheme for compensatory Afforestation to be carried out in lieu of forest area to be diverted for the C/O Thana Plaun (191 MW) in Distt. Mandi with in the jurisdiction of Suket Forest Division, Sundernagar in Mandi District.

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

District	Mandi	Village	Hafwana
Tehsil	Sundernagar		

Name of Division	Suket	Range	Jai Devi
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Block/Compartment/Survey No. Khasra No. 228 & 266 of Muhal Hafwana.

Area to be afforested : 18 ha.

2. Description of Area

i. Whether the site selected for compensatory Afforestation is a land bank yes or not Yes

ii. If the CA site is other than land bank, reasons be :- No

iii. In case of non forest area identified for CA, then what is the distance of Out side Forest area be given CA site form the adjoining forest boundary :-

iv. Soil type :-

v. Topography a. Hilly/Undulating/Plain :-

b. Slope:- Steep/Medium/Gentle :-

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

Sandy loam, Shallow

Hilly

Steep

Yes

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial breakup to be enclosed.

Contd.....2.....

4. Schedule of Plantation Programme

Detail of year wise breakup of requirement of funds is as under :-

Year	Area	Rate/h a.	Nursery cost	Total Amount
0 th Year (New Plantation)	18.0000 ha	60150	24200	1518300
1 st Year	18.0000 ha	6350	7260	244980
2 nd Year	18.0000 ha	4300	4840	164520
3 rd Year	18.0000 ha	2250	2420	84060
4 th Year	18.0000 ha	2250	2420	84060
5 th Year	18.0000 ha	2250	2420	84060
6 th Year	18.0000 ha	2250	2420	84060
7 th Year	18.0000 ha	2250	2420	84060
8 th Year	18.0000 ha	2250	2420	84060
9 th Year	18.0000 ha	2250	2420	84060
10 th Year	18.0000 ha	2250	2420	84060
Total C.A. Scheme				2600280

Departmental charges @ 17.5%

Contingency charges @ 5%

455049

130014

Total

3185343

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows :

- General Details : The area shall be closed to improve the vegetation cover in locality
- Spacemnt : 3X3 mtrs. Between pits & pits of size 45X45x45 cm & 30x30x30 cm size
- Species : Broad leave
- Plantation Method : Pit digging
- Soil and Moisture Conservation Works : Small scale engg.
- Protection : (Fencing, Watch man, People's Participation etc.)
- Proposed Monitoring , Mechanism : As per guidelines
- Any other information. : No.

Divisional Forest Officer
Suket Forest Division

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 8 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191NW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		8 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest DPF Halog
1	Kataula		8
Description of area			
(i)	Whether the site selected for CA is land bank or not		
(ii)	If the CA site is other than land bank, reason be given		
(iii)	In case of non forest area indentified for CA than what is the		
(iv)	Soil Type		
(v)	Topography a) Hilly/Universal/Plain		
(vi)	b) Slope: steep/Medium/ Gentle		
(vii)	Whether the area is bearing any root stock of vegetation		
3	Plantation Model:- Copy of approved Compensatory		
4	Schedule of Plantation Programme		
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.		Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing		8
	PLANTING		8
	Total		308000
2	Maintenance		45160
	1 st year		8
	2 nd year		8
	3 rd year to 10 th year maintenance (8 years)		8
	Total		325440
3	Soil conservation works		1,00,000
4	Removal of invasive species		32750
	Total		931000
A	Grand Total (1 to 4)		1925720
GST on cost of fence posts = 8 Hac. Per hac. 50 Fence post=400(Total fence post=400 x 358 per hac=143200@ 18% =25776/-			
B	Nursery cost	No. of Plants/ha	Rate per plant
	Area	8	23
C	Cost of trees for maintenance @ 70% of original planted plants	1100	23
	Total B&C	6160	141680
	Total (A+B+C)		344080
D	Contingence 5% over the C.A. Scheme		2269800
	Total (A+B+C+D)		113490
E	Departmental charges @ 17.5%		2383290
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		417076
			2800366

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

The area under the cover to improve the vegetation cover in the vicinity to enhance the moisture and water table.

a.	General detail		Remarks
	b.	c.	
	Spa cement	3mx3m	
	Species	Broad leave.	
	Plantation method	Pit digging.	
	Soil & moisture conservation works;	Work shall be carried out for the same.	
	Protection	Fencing & people participation.	
	Proposed Monitoring Mechanism	As per guidelines.	
	Any other information	NIL	

Note:-(i)

Rate of fence post has been charged Rs. 358/-rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
8	50	400	358	143200
Note:(ii)	GST on Cost of fence post @ 18%			25776

Deputy Conservator of Forests
Majuli Forest Division, Majuli (A.P.)

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 8 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		8 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Kataula	Kataula	DPF Jammu Tunkar
	Area in ha.		8
	Survey sheet No.		53E/1
Description of area			
(i)	Whether the site selected for CA is land bank or not		
(ii)	If the CA site is other than land bank, reason be given		
(iii)	In case of non forest area indentified for CA than what is the		
(iv)	Soil Type		
(v)	Topography a) Hilly/Universal/Plain		
(vi)	b) Slope: steep/Medium/ Gentle		
(vii)	Whether the area is bearing any root stock of vegetation		
3	Plantation Model:- Copy of approved Compensatory		
4	Schedule of Plantation Programme		
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.		Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing		8
	PLANTING		308000
			8
	Total		361280
	Maintenance		669280
2	1 st year		8
	2 nd year		9100
	3 rd year to 10 th year maintenance (8 years)		8
			6140
			49120
	Total		3180
3	Soil conservation works		203520
4	Removal of invasive species		325440
			8
			1,00,000
			32750
	Total		131000
	Grand Total (1 to 4)		931000
			1925720
GST on cost of fence posts = 8 Hac. Per hac. 50 Fence post=400(Total fence post=400 x 358 per hac=143200@ 18%=25776/-			
0			
B	Nursery cost	No. of Plants/ha	Rate per plant
	Area	8	1100
		8800	23
C	Cost of trees for maintenance @ 70% of original planted plants	6160	23
	Total R&C		141680
	Total (A+B+C)		344080
D	Contingence 5% over the C.A. Scheme		2269800
	Total (A+B+C+D)		113490
E	Departmental charges @ 17.5%		2383290
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		417076
			2800366

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

The area shall be closed to improve the vegetation cover in the vicinity to enhance the moisture and water table

Remarks

a.	General detail					
b.	Spa cement	3mx3m				
c.	Species	Broad leave.				
d.	Plantation method	Pit digging.				
e.	Soil & moisture conservation works;	Work shall be carried out for the same.				
f.	Protection	Fencing & people participation.				
g.	Proposed Monitoring Mechanism	As per guidelines.				
h.	Any other information	Nil.				

Note:-(i) Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
8	50	400	358	143200
Note:-(ii)	GST on Cost of fence post @ 18%			23776

Deputy Conservator of Forests
Mandla Forest Division Mandla

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 5 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land					Degraded forest	
District					Mandi.	
Tehsil					Sadar	
Name of Division					Mandi	
Area to be afforested					5 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.	
1	Kataula	Kataula	DPF Junah	5	53E/1	
Description of area						
(i)	Whether the site selected for CA is land bank or not					
(ii)	If the CA site is other than land bank, reason be given					
(iii)	In case of non forest area indentified for CA than what is the					
(iv)	Soil Type					
(v)	Topography a) Hilly/Universal/Plain					
(vi)	b) Slope: steep/Medium/ Gentle					
(vii)	Whether the area is bearing any root stock of vegetation					
3	Plantation Model:- Copy of approved Compensatory					
4	Schedule of Plantation Programme					
Detail of year wise break up of requirement of funds is as under:-						
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing						
S.No.	Particulars including soil & Moisture conservation,		Qty. in ha	Rate in Rs. (per ha)	Amount	
1	Survey ,Demarcation and Fencing		5	38500	192500	
	PLANTING		5	45160	225800	
				Total	418300	
Maintenance						
2	1 st year		5	9100	45500	
	2 nd year		5	6140	30700	
	3 rd year to 10 th year maintenance (8 years)		5	3180	127200	
				Total	203400	
3	Soil conservation works		5	1,00,000	500000	
4	Removal of invasive species		3	32750	98250	
				Total	598250	
A			Grand Total (1 to 4)		1219950	
GST on cost of fence posts = 5 Hac. Per hac. 50 Fence post=250 (Total fence post=250 x 358 per hac=89500@ 18% =16110/-						
B	Nursery cost		Area	No. of Plants/ha	Total Plants	Rate per plant
				5	1100	23
C	Cost of trees for maintenance @ 70% of original planted plants				5500	23
	Total B&C				3850	
	Total (A+B+C)					215050
D	Contingence 5% over the C.A. Scheme					1435000
	Total (A+B+C+D)					71750
E	Departmental charges @ 17.5%					1506750
	Total amount for 10 hac CA Scheme (A+B+C+D+E)					263681
						1770431

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

Technical detail of compensatory afforestation is as under:-				Remarks
a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and soil fertility.		
b.	Spa cement	3mx3m		
c.	Species	Broad leave.		
d.	Plantation method	Pit digging.		
e.	Soil & moisture conservation works;	Work shall be carried out for the same.		
f.	Protection	Fencing & people participation.		
g.	Proposed Monitoring Mechanism	As per guidelines.		
h.	Any other information	Nil.		

Note:-(i)

Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
5	50	250	358	89500
Note:(ii)	GST on Cost of fence post @ 18%			16110

Deputy Conservator of Forests
Nand Forest Division, Mandla (H.P.)

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 15 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		15 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Drang	Padhar	DPF Kalon
	Description of area		Area in ha.
			15
(i)	Whether the site selected for CA is land bank or not		
(ii)	If the CA site is other than land bank, reason be given		
(iii)	In case of non forest area indentified for CA than what is the		
(iv)	Soil Type		
(v)	Topography a) Hilly/Universal/Plain		
(vi)	b) Slope: steep/Medium/ Gentle		
(vii)	Whether the area is bearing any root stock of vegetation		
3	Plantation Model:- Copy of approved Compensatory		
4	Schedule of Plantation Programme		
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.	Qty. in ha	Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing	15	38500
	PLANTING	15	45160
		Total	1254900
2	Maintenance		
	1 st year	15	9100
	2 nd year	15	6140
	3 rd year to 10 th year maintenance (8 years)	15	3180
		Total	610200
3	Soil conservation works	15	1,00,000
4	Removal of invasive species	8	32750
		Total	1762000
A	Grand Total (1 to 4)		
	GST on cost of fence posts = 15 Hac. Per hac. 50 Fence post=750(Total fence post=750x 358 per hac=268500@ 18% =48330/-		
	0		
B	Nursery cost	No. of Plants/ha	Rate per plant
	Area	15	
C	Cost of trees for maintenance @ 70% of original planted plants	1100	23
	Total B&C	11550	23
	Total (A+B+C)		645150
D	Contingence 5% over the C.A. Scheme		4272250
	Total (A+B+C+D)		213613
E	Departmental charges @ 17.5%		4485863
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		785026
			5270888

Technical Detail:-**Technical detail of compensatory afforestation is as under:-**

Technical detail of compensatory afforestation is as under:-		Remarks
a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.
b.	Spa cement	3mx3m
c.	Species	Broad leave.
d.	Plantation method	Pit digging.
e.	Soil & moisture conservation works.	Work shall be carried out for the same.
f.	Protection	Fencing & people participation.
g.	Proposed Monitoring Mechanism	As per guidelines.
h.	Any other information	Nil.

Note:-(i) Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
15	50	750	358	268500
GST on Cost of fence post @ 18%				48370
Note:(ii)				

Deputy Conservator of Forests.
Mandla Forest Division Mandla (H.P.)

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAIN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land					Degraded forest
District					Mandi.
Tehsil					Sadar
Name of Division					Mandi
Area to be afforested					10 Ha
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.
1	Kataula	Rehrudhar	Kufnu	10 ha	53A/14
Description of area					
(i)	Whether the site selected for CA is land bank or not				
(ii)	If the CA site is other than land bank, reason be given				
(iii)	In case of non forest area indentified for CA than what is the				
(iv)	Soil Type				
(v)	Topography a) Hilly/Universal/Plain				
(vi)	b) Slope; steep/Medium/ Gentle				
(vii)	Whether the area is bearing any root stock of vegetation				
3	Plantation Model:- Copy of approved Compensatory				
4	Schedule of Plantation Programme				
Detail of year wise break up of requirement of funds is as under:-					
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing					
S.No.	Particulars including soil & Moisture conservation.		Qty. in ha	Rate in Rs. (per ha)	Amount
1	Survey ,Demarcation and Fencing		10	38500	385000
	PLANTING		10	45160	451600
				Total	836600
	Maintenance				
2	1 st year		10	9100	91000
	2 nd year		10	6140	61400
	3 rd year to 10 th year maintenance (8 years)		10	3180	254400
				Total	406800
3	Soil conservation works		10	1,00,000	1000000
4	Removal of invasive species		5	32750	163750
				Total	1163750
A	Grand Total (1 to 4)				2407150
GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=5000 Total fence post=500 x 358 per					
0					
B	Nursery cost		No. of Plants/ha	Total Plants	Rate per plant
	Area		10	11000	23
C	Cost of trees for maintenance @ 70% of original planted plants			7700	23
	Total B&C				430100
	Total (A+B+C)				2837250
D	Contingence 5% over the C.A. Scheme				141863
	Total (A+B+C+D)				2979113
E	Departmental charges @ 17.5%				521345
	Total amount for 10 hac CA Scheme (A+B+C+D+E)				3500457

Technical Detail:-**Technical detail of compensatory afforestation is as under:-**

The area shall be closed to improve the vegetation cover in the vicinity to enhance the moisture and soil table

Remarks

a.	General detail	
b.	Spa cement	3mx3m
c.	Species	Broad leave.
d.	Plantation method	Pit digging.
e.	Soil & moisture conservation works;	Work shall be carried out for the same.
f.	Protection	Fencing & people participation.
g.	Proposed Monitoring Mechanism	As per guidelines.
h.	Any other information	Nil.

Note:-(i)

Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000
Note:-(ii)	GST on Cost of fence post @ 18%			32220

[Signature]
Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)

CHECK LIST SERIAL NO.17.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 13.27 HECTARE TO BE CARRIED OUT IN LIEU OF 6.635 HECTARE OF AREA TO BE DIVERTED FOR THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

Detail of degraded forest/Non Forest land				Non Forest land.			
District				Mandi.			
Tehsil				Sadar			
Name of Division				Mandi			
Area to be afforested				13.27			
S.No.	Name of Forest Range	Block	Name of Muhul	Area in ha.	Survey sheet No.		
1.	Panarsa	Shiva Badar	Masad.	13.27	1143P2		
2.	Description of Area						
i)	Whether the site selected for CA in land bank or not						
ii)	If the CA site is other than land bank, reason be given						
iii)	In case of non forest area identified for CA than what is the adjoining forest boundary						
iv)	Soil type						
v)	Topography a) Hilly/Universal/Plain						
vi)	b) Slope, Steep/Medium/Gentle						
vii)	Whether the area is bearing any root stock of vegetation						
3.	Plantation Model:- Copy of approved compensatory afforestation						
4.	Schedule of Plantation programme						
Detail of year wise break up of requirement of funds as under:-							
S.N.	Particulars including soil & Moisture conservation.	Qty in hectares	Rate in Rs. (per hect.)	Amount	Remarks.		
1.	Compensatory afforestation (1100 plants/hac.) with RCC Fence Post and 4 strand Barbed wire fencing.	13.27	29200		387484		
	Fencing	13.27	34000		451180		
	Planting				838664		
	Total						
2.	Maintenance						
	1 st Year	13.27	6850		90899		
	2 nd Year	13.27	4600		61042		
	3 rd Year to 10 th year maintenance	13.27	2400		254784		
	Total				406725		
3.	Soil Conservation works	13.27	50000		663500		
A	Grand Total 1 to 3				1908889		
B	Contingencies charges @ 5%				95444		
C	Departmental charges @ 17.5%				334056		
D	GST on cost of fence post (Total fence post=796x@300=238800x18%=42984/-				42984		
E	Nursery cost @14597x23 plants				335731		
F	Cost of trees for maintenance @ 70% of original planted plants@ 1100x13.27=14597x70%=10218x23=235014/-				235014		
	Total amount for 13.27 hect. CA Scheme (A+B+C+D+E+F)				2952118		
Technical Detail							
Technical detail of compensatory afforestation is as under							
a)	General detail						
							The area shall be closed to improve vegetation cover in

				the locality to enhance the moisture and water table.
b)	Spacement			3mx3m
c)	Species			Broad leave.
d)	Plantation method			Pit digging.
e)	Soil & moisture conservation works			Work shall be carried out for the same.
f)	Protection			Fencing & people participation.
g)	Proposed Monitoring Mechanism			As per guidelines.
h)	Any other information			-Nil-
Note: (i)	Rate of fence post has been charged Rs.300/- per fence post as fixed byt Pr.CCF,H.P. vide letter No., Ft.48-66/2016(FCA) dated 24 th June 2017. Thus the amount is calculated accordingly as under.			
Area in ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount
13.27	60	796	300/-	238800/-
Note: (ii)	GST on Cost of fence post @ 18%.	238800x18%=82836		42984/-

Place:-Mandi

Dated: 6.3.2019


 S.S. Kashyap)HPFS,
 Divisional Forest Officer,
 Mandi Forest Division,Mandi.

CHECK LIST SERIAL NO.17

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAILS SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		10 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Kataula	Kataula	Bairaoi DP
Description of area		Area in ha.	
		10 ha	
Survey sheet No.		53E/1	
(i) Whether the site selected for CA is land bank or not (ii) If the CA site is other than land bank, reason be given (iii) In case of non forest area identified for CA than what is the (iv) Soil Type (v) Topography a) Hilly/Universal/Plain (vi) b) Slope; steep/Medium/ Gentle (vii) Whether the area is bearing any root stock of vegetation 3 Plantation Model:- Copy of approved Compensatory 4 Schedule of Plantation Programme			
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.		Rate in Rs. (per ha)
1	Survey ,Demarcation and Fencing		10
	PLANTING		10
			385000
			451600
	Total		836600
2	Maintenance		
	1 st year		10
	2 nd year		10
	3 rd year to 10 th year maintenance (8 years)		10
	Total		3180
3	Soil conservation works		10
4	Removal of invasive species		5
	Total		163750
	Total		1163750
	Total		2407150
A	Grand Total (1 to 4)		
GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=500(Total fence post=500 x 358 per hac=179000@ 18% =32220/-			
0			
B	Nursery cost	Area	No. of Plants/ha
		10	1100
C	Cost of trees for maintenance @ 70% of original planted plants	11000	23
	Total B&C	7700	23
	Total (A+B+C)		430100
D	Contingence 5% over the C.A. Scheme		2837250
	Total (A+B+C+D)		141863
E	Departmental charges @ 17.5%		2979113
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		521345
			3500457

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

The area shall be used to improve the vegetation cover in the vicinity to enhance the moisture and nutrient table.

	General detail	Remarks
a.	General detail	
b.	Spa cement	3mx3m
c.	Species	Broad leave.
d.	Plantation method	Pit digging.
e.	Soil & moisture conservation works;	Work shall be carried out for the same.
f.	Protection	Fencing & people participation.
g.	Proposed Monitoring Mechanism	As per guidelines.
h.	Any other information	Nil.

Note:-(i)

Rate of fence post has been charged Rs. 358/- rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000.
Note:-(ii)	GST on Cost of fence post @ 18%			32220

Deputy Conservator of Forests
Machil Forest Division Nambdi (H.P.)

ECK LIST SERIAL NO.17

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 5.74 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		5.74 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Panarasa	Shiva badar	Nagdhara
Description of area		Area in ha.	
		5.74	
Survey sheet No.		H43F2	
(i) Whether the site selected for CA is land bank or not		Yes.	
(ii) If the CA site is other than land bank, reason be given		-	
(iii) In case of non forest area indentified for CA than what is the		-	
(iv) Soil Type		Sandy loam	
(v) Topography a) Hilly/Universal/Plain		Hilly	
b) Slope: steep/Medium/ Gentle		Medium	
(vi) Whether the area is bearing any root stock of vegetation		Bushes.	
(vii) Plantation Model:- Copy of approved Compensatory		Attached.	
3	Schedule of Plantation Programme		
4			
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.	Qty. in ha	Rate in Rs. (per ha)
1	Survey ,Demarcation and Fencing	5.74	38500
	PLANTING	5.74	45160
		Total	480208
2	Maintenance		
	1 st year	5.74	9100
	2 nd year	5.74	6140
	3 rd year to 10 th year maintenance (8 years)	5.74	3180
		Total	233503
3	Soil conservation works	5.74	1,00,000
4	Removal of invasive species	3	32750
		Total	672250
			1385962
A	Grand Total (1 to 4)		
	GST on cost of fence posts = 5.74 Hac. Per hac. 50 Fence post=287 (Total fence post=287x 358 per hac=102746@ 18% =18494/-		
B	Nursery cost	Area	No. of Plants/ha
		5.74	1100
			6314
			23
C	Cost of trees for maintenance @ 70% of original planted plants		23
	Total B&C		246877
	Total (A+B+C)		1632839
D	Contingence 5% over the C.A. Scheme		81642
	Total (A+B+C+D)		1714481
E	Departmental charges @ 17.5%		300034
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		2014515

Technical Detail:-**Technical detail of compensatory afforestation is as under:-**

General detail		Remarks
a.		
b.	3mx3m	
c.	Broad leave.	
d.	Pit digging.	
e.	Soil & moisture conservation works;	Work shall be carried out for the same.
f.	Protection	Fencing & people participation.
g.	Proposed Monitoring Mechanism	As per guidelines.
h.	Any other information	Nil.

Note:-(i)

Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21th June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
5.74	50	287	358	102746
GST on Cost of fence post @ 18%				18494

Note:-(ii)

Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)

CHECK LIST SERIAL NO.17.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 5.18 HECTARE TO BE CARRIED OUT IN LIEU OF 2.59 HECTARE OF AREA TO BE DIVERTED FOR THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

Detail of degraded forest/Non Forest land		Non Forest land.	
District	Mandl.		
Tehsil	Sadar		
Name of Division	Mandi		
Area to be afforested	5.18		
S.No.	Name of Forest Range	Block	Survey sheet No.
1.	Kataula	Kataula	H43F1 & H43E13
2.	Description of Area		
(i)	Whether the site selected for CA in land bank or not		
(ii)	If the CA site is other than land bank, reason be given		
(iii)	In case of non forest area identified for CA than what is the adjoining forest boundary		
(iv)	Soil type		
(v)	Topography a) Hilly / Universal / Plain		
(vi)	b) Slope, Steep / Medium / Gentle		
(vii)	Whether the area is bearing any root stock of vegetation		
3.	Plantation Model:- Copy of approved compensatory afforestation		
4.	Schedule of Plantation programme		
Detail of year wise break up of requirement of funds as under:-			
S.N.	Particulars including soil & Moisture conservation.	Qty in hectares	Rate in Rs. (per hect.)
1.	Compensatory afforestation (1100 plants/hac.) with RCC Fence Post and 4 strand Barbed wire fencing.		
	Fencing	5.18	29200
	Planting	5.18	34000
	Total		327376
2.	Maintenance		
	1 st Year	5.18	6850
	2 nd Year	5.18	4600
	3 rd Year to 10 th year maintenance	5.18	2400
	Total		158767
3.	Soil Conservation works	5.18	50000
A	Grand Total 1 to 3		259000
B	Contingencies charges @ 5%		745143
C	Departmental charges @ 17.5%		37257
D	GST on cost of fence post (Total fence post=311x@300=93300x18%=16794/-		130400
E	Nursery cost @5698x23 plants		16794
F	Cost of trees for maintenance @ 70% of original planted plants @ 1100x5.18=5698x70%=3989x23=91747/-		131054
	Total amount for 5.18 hect. CA Scheme (A+B+C+D+E+F)		91747
Technical Detail			
Technical detail of compensatory afforestation is as under			
a)	General detail	The area shall be closed to improve vegetation cover in	

				the locality to enhance the moisture and water table.
b)	Spacement			3mx3m
c)	Species			Broad leave
d)	Plantation method			Plt digging
e)	Soil & moisture conservation works			Work shall be carried out for the same.
f)	Protection			Fencing & people participation.
g)	Proposed Monitoring Mechanism			As per guidelines.
h)	Any other information			-Nil-
Note:				
(i)	Rate of fence post has been charged Rs.300/- per fence post as fixed by Pt CCF, H.P. vide letter No., Ft.48-66/2016(FCA) dated 24th June 2017. Thus the amount is calculated accordingly as under.			
Area in ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount
5.18	60	311	300/-	93300
Note: (ii)	GST on Cost of fence post @ 18%.			16794
	93300x18%=16794			

Place:-Mandi
Dated: 1.3.2019

(S.S. Kashyap) HPFS,
Divisional Forest Officer,
Mandi Forest Division, Mandi.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		10 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Kataula	Kataula	Neri Nishoo DPF
Description of area		Area in ha.	
		10 ha	
Survey sheet No.		53A/13	
(i)	Whether the site selected for CA is land bank or not		
(ii)	If the CA site is other than land bank, reason be given		
(iii)	In case of non forest area indentified for CA than what is the		
(iv)	Soil Type		
(v)	Topography a) Hilly/Universal/Plain		
(vi)	b) Slopes: steep/Medium/ Gentle		
(vii)	Whether the area is bearing any root stock of vegetation		
3	Plantation Model:- Copy of approved Compensatory		
4	Schedule of Plantation Programme		
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.		Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing		38500
	PLANTING		45160
	Total		836600
2	Maintenance		
	1 st year		9100
	2 nd year		6140
	3 rd year to 10 th year maintenance (8 years)		3180
	Total		254400
3	Soil conservation works		406800
4	Removal of invasive species		1000000
	Total		163750
	Total		1163750
A	Grand Total (1 to 4)		2407150
GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=500(Total fence post=500 x 358 per hac=179000/@ 18%=32220/-			
B	Nursery cost		0
	Area	No. of Plants/ha	Rate per plant
	10	1100	23
C	Cost of trees for maintenance @ 70% of original planted plants		253000
	7700	23	177100
	Total B&C		430100
	Total (A+B+C)		2837250
D	Contingence 5% over the C.A. Scheme		141863
	Total (A+B+C+D)		2979113
E	Departmental charges @ 17.5%		521345
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		3500457

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.	Remarks
b.	Spa cement	3mx3m	
c.	Species	Broad leave.	
d.	Plantation method	Pit digging.	
e.	Soil & moisture conservation works;	Work shall be carried out for the same.	
f.	Protection	Fencing & people participation.	
g.	Proposed Monitoring Mechanism	As per guidelines.	
h.	Any other information	Nil.	

Note:-(i)

Rate of fence post has been charged Rs. 358/- rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Camps/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000
Note:(ii)	GST on Cost of fence post @ 18%			32220

Dy. Conservator of Forests
Madhavpur Division (M.P.)

Technical Detail:-				Remarks
Technical detail of compensatory afforestation is as under:- The area shall be closed to improve the vegetation cover in the vicinity to enhance the moisture and water table				
a.	General detail			
b.	Spa cement	3mx3m		
c.	Species	Broad leave.		
d.	Plantation method	Pit digging.		
e.	Soil & moisture conservation works;	Work shall be carried out for the same.		
f.	Protection	Fencing & people participation.		
g.	Proposed Monitoring Mechanism	As per guidelines.		
h.	Any other information	Nil.		

Note:-(i) Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000
GST on Cost of fence post @ 18%				32220
Note:(ii)				

Deputy Conservator of Forests
Mandir Forest Division, Mandir(H.P.)

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land					Degraded forest
District					Mandi.
Tehsil					Sadar
Name of Division					Mandi
Area to be afforested					10 Ha
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.
1	Kataula	Rehradhar	Tung	10 ha	53A/14
Description of area					
(i)	Whether the site selected for CA is land bank or not				
(ii)	If the CA site is other than land bank, reason be given				
(iii)	In case of non forest area indentified for CA than what is the				
(iv)	Soil Type				
(v)	Topography a) Hilly/Universal/Plain				
(vi)	b) Slope; steep/Medium/ Gentle				
(vii)	Whether the area is bearing any root stock of vegetation				
3	Plantation Model:- Copy of approved Compensatory				
4	Schedule of Plantation Programme				
					Sandy loam
					Hilly
					Medium
					Bushes.
					Attached.

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

Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing

S.No.	Particulars including soil & Moisture conservation, Survey ,Demarcation and Fencing	Qty. in ha	Rate in Rs. (per ha)	Amount
1	PLANTING	10	38500	385000
		10	45160	451600
			Total	836600
2	Maintenance			
	1 st year	10	9100	91000
	2 nd year	10	6140	61400
	3 rd year to 10 th year maintenance (8 years)	10	3180	254400
			Total	406800
3	Soil conservation works	10	1,00,000	1000000
4	Removal of invasive species	5	32750	163750
			Total	1163750
				2497150

Grand Total (1 to 4)

A	GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=500(Total fence post=500 x 358 per				0
B	Nursery cost				
	Area	No. of Plants/ha	Total Plants	Rate per plant	
	10	1100	11000	23	253000
C	Cost of trees for maintenance @ 70% of original planted plants				
			7700	23	177100
	Total B&C				430100
	Total (A+B+C)				2837250
D	Contingence 5% over the C.A. Scheme				141863
	Total (A+B+C+D)				2979113
E	Departmental charges @ 17.5%				521345
	Total amount for 10 hac CA Scheme (A+B+C+D+E)				3500457

CHECK LIST SERIAL NO.17

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land					Degraded forest
District					Mandi,
Tehsil					Sadar
Name of Division					Mandi
Area to be afforested					10 Ha
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.
1	Kataula	Rehradhar	Sihnal-I	10 ha	53A/14
Description of area					
(i)	Whether the site selected for CA is land bank or not				
(ii)	If the CA site is other than land bank, reason be given				
(iii)	In case of non forest area indentified for CA than what is the				
(iv)	Soil Type				
(v)	Topography a) Hilly/Universal/Plain				
(vi)	b) Slope; steep/Medium/ Gentle				
(vii)	Whether the area is bearing any root stock of vegetation				
3	Plantation Model:- Copy of approved Compensatory				
4	Schedule of Plantation Programme				
Detail of year wise break up of requirement of funds is as under:-					

Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing

S.No.	Particulars including soil & Moisture conservation, PLANTING	Qty. in ha	Rate in Rs. (per ha)	Amount
1	Survey, Demarcation and Fencing	10	38500	385000
		10	45160	451600
			Total	836600
2	Maintenance			
	1 st year	10	9100	91000
	2 nd year	10	6140	61400
	3 rd year to 10 th year maintenance (8 years)	10	3180	254400
			Total	406800
3	Soil conservation works	10	1,00,000	1000000
4	Removal of invasive species	5	32750	163750
			Total	1163750
			Grand Total (1 to 4)	2407150

A	Grand Total (1 to 4)					2407150
	GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=500(Total fence post=500 x 358 per					0
B	Nursery cost	Area	No. of Plants/ha	Total Plants	Rate per plant	
		10	1100	11000	23	253000
C	Cost of trees for maintenance @ 70% of original planted plants			7700	23	177100
	Total B&C					430100
	Total (A+B+C)					2837250
D	Contingence 5% over the C.A. Scheme					141863
	Total (A+B+C+D)					2979113
E	Departmental charges @ 17.5%					521345
	Total amount for 10 hac CA Scheme (A+B+C+D+E)					3500457

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.

a.	General detail	Remarks
b.	Spa cement	3mx3m
c.	Species	Broad leave.
d.	Plantation method	Pit digging.
e.	Soil & moisture conservation works;	Work shall be carried out for the same.
f.	Protection	Fencing & people participation.
g.	Proposed Monitoring Mechanism	As per guidelines.
h.	Any other information	Nil.

Note:-(i)

Rate of fence post has been charged Rs. 358/-rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000
Note:(ii)	GST on Cost of fence post @ 18%			32220

Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)

CHECK LIST SERIAL NO.17

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		10 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Kataula	Rehradhar	Siram
	Description of area		Area in ha.
			10 ha
(i)	Whether the site selected for CA is land bank or not		Survey sheet No.
(ii)	If the CA site is other than land bank, reason be given		53A/15
(iii)	In case of non forest area indentified for CA than what is the		Yes.
(iv)	Soil Type		.
(v)	Topography a) Hilly/Universal/Plain		Sandy loam
(vi)	b) Slope; steep/Medium/ Gentle		Hilly
(vii)	Whether the area is bearing any root stock of vegetation		Medium
3	Plantation Model:- Copy of approved Compensatory		Bushes.
4	Schedule of Plantation Programme		Attached.
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.	Qty. in ha	Rate in Rs. (per ha)
1	Survey ,Demarcation and Fencing	10	38500
	PLANTING	10	45160
		Total	836600
	Maintenance		
2	1 st year	10	9100
	2 nd year	10	6140
	3 rd year to 10 th year maintenance (8 years)	10	3180
		Total	406800
3	Soil conservation works	10	1,00,000
4	Removal of Invasive species	5	32750
		Total	1163750
A	Grand Total (1 to 4)		2407150
GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=500(Total fence post=500 x 358 per hac=179000@ 18% =32220/-			
0			
B	Nursery cost	Area	No. of Plants/ha
		10	1100
			11000
			7700
C	Cost of trees for maintenance @ 70% of original planted plants		23
	Total B&C		23
	Total (A+B+C)		430100
D	Contingence 5% over the C.A. Scheme		2837250
	Total (A+B+C+D)		141863
E	Departmental charges @ 17.5%		2979113
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		521345
			3500457

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

The area shall be covered to improve the vegetation cover in the vicinity to enhance the moisture and water table				Remarks
a.	General detail			
b.	Spa cement	3mx3m		
c.	Species	Broad leave.		
d.	Plantation method	Pit digging.		
e.	Soil & moisture conservation works;	Work shall be carried out for the same.		
f.	Protection	Fencing & people participation.		
g.	Proposed Monitoring Mechanism	As per guidelines.		
h.	Any other information	Nil.		

Note:-(i) Rate of fence post has been charged Rs. 358/- rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000
Note:-(ii)	GST on Cost of fence post @ 18%			32220

Deputy Commissioner of Forests
Mandla Forest Division Mandla (H.P.)

CHECK LIST SERIAL NO.17

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 8.42 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THIANA PLAUN (19)MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land					Degraded forest
District					Mandi.
Tehsil					Sadar
Name of Division					Mandi
Area to be afforested					8.42 Ha
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.
1	Kataula	Bagi	Subada	8.42	1143F1
Description of area					
(i)	Whether the site selected for CA is land bank or not				
(ii)	If the CA site is other than land bank, reason be given				
(iii)	In case of non forest area indentified for CA than what is the				
(iv)	Soil Type				
(v)	Topography a) Hilly/Universal/Plain				
(vi)	b) Slope; steep/Medium/ Gentle				
(vii)	Whether the area is bearing any root stock of vegetation				
3	Plantation Model:- Copy of approved Compensatory				
4	Schedule of Plantation Programme				
Detail of year wise break up of requirement of funds is as under:-					
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing					
S.No.	Particulars including soil & Moisture conservation.		Qty. in ha	Rate in Rs. (per ha)	Amount
1	Survey ,Demarcation and Fencing		8.42	38500	324170
	PLANTING		8.42	45160	380247
			Total		704417
Maintenance					
2	1 st year		8.42	9100	76622
	2 nd year		8.42	6140	51699
	3 rd year to 10 th year maintenance (8 years)		8.42	3180	214205
			Total		342526
3	Soil conservation works		8.42	1,00,000	842000
4	Removal of invasive species		5	32750	163750
			Total		1005750
A	Grand Total (1 to 4)				2052693
GST on cost of fence posts = 8.42 Hac. Per hac. 50 Fence post=421 (Total fence post=421x 358 per hac=150718@ 18% =27129/-					
0					
B	Nursery cost		No. of Plants/ha	Total Plants	Rate per plant
	Area		8.42	1100	23
C	Cost of trees for maintenance @ 70% of original planted plants			6483	23
	Total B&C				362144
	Total (A+B+C)				2414837
D	Contingence 5% over the C.A. Scheme				120742
	Total (A+B+C+D)				2535579
E	Departmental charges @ 17.5%				443726
	Total amount for 10 hac CA Scheme (A+B+C+D+E)				2979305

Technical Detail:-					
Technical detail of compensatory afforestation is as under:-					
a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.		Remarks	
b.	Spa cement	3mx3m			
c.	Species	Broad leave.			
d.	Plantation method	Pit digging.			
e.	Soil & moisture conservation works;	Work shall be carried out for the same.			
f.	Protection	Fencing & people participation.			
g.	Proposed Monitoring Mechanism	As per guidelines.			
h.	Any other information	Nil.			
Note:-(i) Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21 st June 2021. The amount of CA has been calculated as per norms fixed as above.					
Area in Ha.		Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
8.42		50	421	358	150718
Note:(ii) GST on Cost of fence post @ 18%					27129

Deputy Conservator of Forests
 District Forest Division, Pithoragarh (H.P.)
 Mandi Forest Division Mandi

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 34.31 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadar	
Name of Division		Mandi	
Area to be afforested		34.31 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Panarasa	Shiva sadar	Suma
Description of area		Area in ha.	
		34.31	
Survey sheet No.		H43F2	
(i)	Whether the site selected for CA is land bank or not		
(ii)	If the CA site is other than land bank, reason be given		
(iii)	In case of non forest area indentified for CA than what is the		
(iv)	Soil Type		
(v)	Topography a) Hilly/Universal/Plain		
(vi)	b) Slope; steep/Medium/ Gentle		
(vii)	Whether the area is bearing any root stock of vegetation		
3	Plantation Model:- Copy of approved Compensatory		
4	Schedule of Plantation Programme		
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation.	Qty. in ha	Rate in Rs. (per ha)
1	Survey ,Demarcation and Fencing	34.31	38500
	PLANTING	34.31	45160
		Total	2870375
Maintenance			
2	1 st year	34.31	9100
	2 nd year	34.31	6140
	3 rd year to 10 th year maintenance (8 years)	34.31	3180
		Total	1395731
3	Soil conservation works	34.31	1,00,000
4	Removal of invasive species	17	32750
		Total	3987750
Grand Total (1 to 4)		8253855	
GST on cost of fence posts = 34.31 Hac. Per hac. 50 Fence post=1716 (Total fence post=1716x 358 per hac=614149@ 18% =110547/-			
0			
B	Nursery cost	Area	No. of Plants/ha
		34.31	1100
		Total Plants	Rate per plant
		37741	23
C	Cost of trees for maintenance @ 70% of original planted plants	26419	23
	Total B&C	1475673	
	Total (A+B+C)	9729529	
D	Contingence 5% over the C.A. Scheme	486476	
	Total (A+B+C+D)	10216005	
E	Departmental charges @ 17.5%	1787801	
	Total amount for 10 hac CA Scheme (A+B+C+D+E)	12003806	

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.	Remarks
b.	Spa cement	3mx3m	
c.	Species	Broad leave.	
d.	Plantation method	Pit digging.	
e.	Soil & moisture conservation works;	Work shall be carried out for the same.	
f.	Protection	Fencing & people participation.	
g.	Proposed Monitoring Mechanism	As per guidelines.	
h.	Any other information	Nil.	

Note:-(i)

Rate of fence post has been charged Rs. 358/-rupees per fence post as fixed by Pr. CCF,H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
34.31	50	1715.5	358	614149
Note:(ii)	GST on Cost of fence post @ 18%			110547

Deputy Conservator of Forests,
Mandi Forest Division, Mandi(H.P.)

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 32.04 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THIANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

Detail of degraded forest/Non forest land				Degraded forest	
District				Mandi.	
Tehsil				Sadar	
Name of Division				Mandi	
Area to be afforested				32.04 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest	Area in ha.	Survey sheet No.
1	Kataula	Bagi	Thhri	32.04	H43F1
Description of area					
(i)	Whether the site selected for CA is land bank or not				
(ii)	If the CA site is other than land bank, reason be given				
(iii)	In case of non forest area indentified for CA than what is the				
(iv)	Soil Type				
(v)	Topography a) Hilly/Universal/Plain				
(vi)	b) Slopes; steep/Medium/ Gentle				
(vii)	Whether the area is bearing any root stock of vegetation				
3	Plantation Model:- Copy of approved Compensatory				
4	Schedule of Plantation Programme				
Detail of year wise break up of requirement of funds is as under:-					
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing					
S.No.	Particulars including soil & Moisture conservation,		Qty. in ha	Rate in Rs. (per ha)	Amount
1	Servey ,Demarcation and Fencing		32.04	38500	1233540
	PLANTING		32.04	45160	1446926
				Total	2680466
Maintenance					
2	1 st year		32.04	9100	291564
	2 nd year		32.04	6140	196726
	3 rd year to 10 th year maintenance (8 years)		32.04	3180	815098
			Total		1303387
3	Soil conservation works		32.04	1,00,000	3204000
4	Removal of invasive species		16	32750	524000
			Total		3728000
					7711854
A	Grand Total (1 to 4)				
	GST on cost of fence posts = 32.04 Hac. Per hac. 50 Fence post=1602 (Total fence post=1602x 358 per hac=573516@ 18% =103233/-				
	0				
B	Nursery cost	Area	No. of Plants/ha	Total Plants	Rate per plant
		32.04	1100	35244	23
C	Cost of trees for maintenance @ 70% of original planted plants				
	Total B&C				
	Total (A+B+C)				
D	Contingence 5% over the C.A. Scheme				
	Total (A+B+C+D)				
E	Departmental charges @ 17.5%				
	Total amount for 10 hac CA Scheme (A+B+C+D+E)				
					810612
					567428
					1378040
					9089894
					454495
					9544389
					1670268
					11214657

Technical Detail:-

Technical detail of compensatory afforestation is as under:-

a.	General detail	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.	Remarks
b.	Spa cement	3mx3m	
c.	Species	Broad leave.	
d.	Plantation method	Pit digging.	
e.	Soil & moisture conservation works;	Work shall be carried out for the same.	
f.	Protection	Fencing & people participation.	
g.	Proposed Monitoring Mechanism	As per guidelines.	
h.	Any other information	Nil.	

Note:-(i)

Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF, H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
32.04	50	1602	358	573516
Note:(ii)	GST on Cost of fence post @ 18%			103233


 Deputy Conservator of Forests
 Forest Division, Mandi
 Mandi Forest Division Mandi

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 10 HECTARE TO BE CARRIED OUT IN LIEU OF 406.79 HECTARE OF DIVERSION OF FOREST AREA FOR THE CONSTRUCTION OF THIANA PLAUN (191MW) HYDRO ELECTRIC PROJECT WITHIN JURISDICTION OF MANDI FOREST DIVISION.

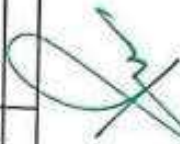
Detail of degraded forest/Non forest land		Degraded forest	
District		Mandi.	
Tehsil		Sadur	
Name of Division		Mandi	
Area to be afforested		10 Ha	
Sr. No.	Name of Forest Range	Block	Name of forest
1	Kataula	Kataula	Bodandhar DPF
Description of area		Area in ha.	
		10 ha	
		Survey sheet No.	
		53E/1	
(i)	Whether the site selected for CA is land bank or not		
(ii)	If the CA site is other than land bank, reason be given		
(iii)	In case of non forest area indentified for CA than what is the		
(iv)	Soil Type		
(v)	Topography a) Hilly/Universal/Plain		
(vi)	b) Slope; steep/Medium/ Gentle		
(vii)	Whether the area is bearing any root stock of vegetation		
3	Plantation Model:- Copy of approved Compensatory		
4	Schedule of Plantation Programme		
Detail of year wise break up of requirement of funds is as under:-			
Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing			
S.No.	Particulars including soil & Moisture conservation,	Qty. in ha	Rate in Rs. (per ha)
1	Survey, Demarcation and Fencing	10	38500
	PLANTING	10	45160
		Total	836600
	Maintenance		
2	1 st year	10	9100
	2 nd year	10	6140
	3 rd year to 10 th year maintenance (8 years)	10	3180
		Total	406800
3	Soil conservation works	10	1,00,000
4	Removal of invasive species	5	32750
		Total	1163750
A	Grand Total (1 to 4)		
	2407150		
GST on cost of fence posts = 10 Hac. Per hac. 50 Fence post=500(Total fence post=500 x 358 per hac=179000@ 18% =32220/-			
0			
B	Nursery cost	No. of Plants/ha	Total Plants
	Area	10	1100
			Rate per plant
C	Cost of trees for maintenance @ 70% of original planted plants	11000	23
	Total B&C	7700	23
	Total (A+B+C)		430100
D	Contingence 5% over the C.A. Scheme		2837250
	Total (A+B+C+D)		141863
E	Departmental charges @ 17.5%		2979113
	Total amount for 10 hac CA Scheme (A+B+C+D+E)		521345
			3590457

Technical Detail:-**Technical detail of compensatory afforestation is as under:-**

The area shall be closed to improve the vegetation cover in the locality to enhance the ecological and wildlife value.			Remarks
a.	General detail		
b.	Spa cement	3mx3m	
c.	Species	Broad leave.	
d.	Plantation method	Pit digging.	
e.	Soil & moisture conservation works;	Work shall be carried out for the same.	
f.	Protection	Fencing & people participation.	
g.	Proposed Monitoring Mechanism	As per guidelines.	
h.	Any other information	Nil.	

Note:-(i) Rate of fence post has been charged Rs. 358/--rupees per fence post as fixed by Pr. CCF.H.P. vide letter No. Ft. State Campa/2010 /Norms/Volume 2 dated 21st June 2021. The amount of CA has been calculated as per norms fixed as above.

Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	Cost of fence post	Total amount
10	50	500	358	179000
GST on Cost of fence post @ 18%				32220
Note: (ii)				


Deputy Conservator of Forests
Mandi Forest Division, Mandi (H.P.)