FULL TITLE OF THE PROJECT: THANA PLAUN (191MW)

HYDROELECTRIC PROJECT

PROPOSAL NO.: FP/HP/HYD/8255 /2014

DATE OF PROPOSAL: NOVEMBER 29TH,2014

CHECK LIST SERIAL NUMBER: -17

(DETAILED SCHEME FOR COMPENSATORY AFFORESTATION)

Full Title of the Project: Diversion of 406.79 ha. of Forest land in favour of Himachal Pradesh

Power Corporation, Ltd., Thana Plaun & Triveni Mahadev HEPs, HPPCL, Tehsil Kotli, Distt. Mandi, HP for the construction of Thana Plaun (191MW) HEP within the jurisdiction of Jogindernagar and Mandi

Forest Divisions, Distt. Mandi. H.P.

Proposal No. : Date of Proposal: FP/HP/HYD/8255 /2014 November 29th, 2014

CHECK LIST SERIAL NUMBER: - 17

TOTAL FINANCIAL OUTLAY OF COMPENSTATORY AFFORESTATION SCHEME

#	Forest Division	Area proposed under CA in Hectares	Amount in Rs. Lakh	Remarks
1.	Mandi (20 Muhal, 51 Khasras)	473.49	1045.25333	Forest land proposed under diversion is 236.24 ha.
2	Jogindernagar (17 Muhal, 30 Khasras)	341.99	775.34788	Forest land proposed under diversion is 170.55 ha.
Total	37 Muhal, 81 Khasras	815.48	1820.60121 (Say Rs. 1820.61 lakh)	Total Forest Land proposed for diversion is 406.79

Divisional Forests Officer

Office Seal.

Vores: Division Manda (H.P.)

Place. J. Nogo

Date. 39/11/9019....

Divisional Forests Officer
Divisional Forest Officer
Loginder Nagar Forest Division
Joginder Nagar (Fi.F.)

Office Seal...

Alp proved

Chief Conserve or of Forests (T) Forest Circle, Mandi (H.P.)

FULL TITLE OF PROJECT:- Diversion of 406.79 hectare of forest land for construction of Thana Plaun HEP (191 MW) under the jurisdiction of Mandi forest Division Distt. Mandi H.P.

File No.

FP/HP/HYD/8255/2014

UNDERTAKING

I do hereby undertake that 473.49 ha of forest land proposed for compensatory Afforestation by this division in diversion of forest and for the construction of Thana Plaun, HEP (191 MW), within the jurisdiction of Mandi Forest Division for which compensatory Afforestation scheme has been prepared as per prevailing rates of wages. As and when the in Principal approval is received to this office from the competent Authority and accordingly the rates of CA scheme has now been revised as per the current new rates fixed by higher Authority and same will be recovered from the User Agency.

> Divisional Forest Officer, Mandi Forest Division, HP

Full Title of the Project:

Diversion of 406.79 hect. of forest land(170.55 ha. Joginder Nagar and 236.24 ha. Mandi Forest Division) in favor of HP Power Cor. Ltd. for the construction of Thana Plaun HEP(191MW), within the jurisdiction of Joginder Nagar & Mandi Forest Divisions, Distt. Mandi, HP.

File No.

FP/HP/HYD/8255/2014.

UNDERTAKING

I, do hereby undertake that 208.00 ha. forest land proposed for compensatory afforestation by this Division in diversion of forest land for the construction of Thana Plaun, HEP (191MW) within the jurisdiction of Joginder Nagar and Mandi Forest Divisions, for which compensatory afforestation scheme will be prepared as per prevailing rates of wages than after in accrodance of "In-Principle" approval by the competent authority and accordingly amount will be realized from user agency thereof.

Place: Karsog

Date: 31/03/2091

Divisional Forest Officer, Karsog Forest Division,HP. Full Title of the Project:

Diversion of 406.79 hect. of forest land(170.55 ha. Joginder Nagar and 236.24 ha. Mandi Forest Division) in favor of HP Power Cor. Ltd. for the construction of Thana Plaun HEP(191MW), within the jurisdiction of Joginder Nagar & Mandi Forest Divisions, Distt. Mandi, HP.

File No.

FP/HP/HYD/8255/2014.

UNDERTAKING

I, do hereby undertake that 67.00 ha. forest land proposed for compensatory afforestation by this Division in diversion of forest land for the construction of Thana Plaun, HEP (191MW) within the jurisdiction of Joginder Nagar and Mandi Forest Divisions, for which compensatory afforestation scheme will be prepared as per prevailing rates of wages than after in accrodance of "In-Principle" approval by the competent authority and accordingly amount will be realized from user agency thereof.

Place: Sunder Nagar Date: 32/03/2011

Divisional Forest Officer, Forest Division Suket

at Sunder Nagar.

Sundemagar (H.P.) - 175018

FULL TITLE OF PROJECT:- Diversion of 406.79 hectare of forest land for construction of Thana Plaun HEP (191 MW) under the jurisdiction of Mandi forest Division Distt. Mandi H.P.

File No.

FP/HP/HYD/8255/2014

UNDERTAKING

I do hereby undertake that 59.96 ha of forest land proposed for compensatory Afforestation by Mandi Forest Division in diversion of forest for the construction of Thana Plaun, HEP (191 MW), within the jurisdiction of Mandi Forest Division, for which compensatory Afforestation scheme has been prepared as per prevailing rates of wages. As and when the 'In Principle" approval is received to this office from the competent Authority the rates of CA scheme will be recovered from the User Agency as per the prevailing wages rates/Cost norms.

> Divisional Forest Officer, Mandi Forest Division, HP

Full title of Project: Diversion of 406.79 hect. of forest land (170.55 ha. Joginder Nagar and 236.24 ha. Mandi Forest Division) in favour of HP Power Cor. Ltd. for the construction of Thana Plaun, HEP (191 MW), within the jurisdiction of Joginder Nagar and Mandi Forest Division, Distt. Mandi, HP.

File No:

FP/HP/HYD/8255/2014.

UNDERTAKING

I, do hereby undertake that 7.03 hect forest land proposed for compensatory afforestation by this division in diversion of forest land for the construction of Thana Plaun, HEP (191 MW), with in the jurisdiction of Joginder Nagar and Mandi Forest Division, for which compensatory afforestation scheme will be prepared as per prevailing rates of wages. As and when the in-principle approval is received to this office from the compentent authority and accordingly the rates of CA scheme has now been revised as per the current new rates fixed by higher authority and same will be recovered from the User Agency.

Date: 93/2/2021
Place: UNogor

Divisional Forest Officer, Forest Division, Joginder Nagar.

Joginder Nagar (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 25 in Muhal Jamnu of Tehsil Karsog, Distt. Mandi, HP. measuring 38.75 hectares to be carried —out in lieu of 409.78 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

Village: Jamnu,

Range: Pangna

District: Mandi, HP.

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

District : Mandi,

Tehsil: Karsog,

Name of Forest Division: Karsog,

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 38.75 hact.

2) Description of Area

 Whether the site selected for Compensatory Afforestion is a land bank or not: No, the selected area is a Non- Forest Land.

II) If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land)

III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:

Alongside Parwain PF

IV) Soil type: Sandy loam.

V) Topography:

VI (a) Hilly/undulation/ Plain: Hilly

VII(b) Slope Steep / Medium/ Gentle: Medium

VI) Whether the area is bearing any root stock of vegetation, Bushes: Yes Bushes Present.

3) Plantation Model:-

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

4) Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 1980 (For one hect. Area)

Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-

Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 74450/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	38.75	74450	2884938
1st Year	38.75	6850	265438
2nd Year	38.75	4600	178250
3rd Year	38.75	2400	93000
4th Year	38.75	2400	93000
5th Year	38.75	2400	93000
6th Year	38.75	2400	93000
7th Year	38.75	2400	93000
8th Year	38.75	2400	93000
9th Year	38.75	2400	93000

10th Year	38.75	2400	93000
Total A (i)	20.24100		4072626
A (ii)- cost of plants 98038 Nos.		13	1274494
Total (A)			5347120
B (i) Soil Conservation works	38.75	30000	1162500
ii) (a) Lantana Eradication 75%	38.75	23700	918375
(c) Maint, 1st year	38.75	5200	201500
(d) Maint. 2 nd year	38.75	3200	124000
(e) Maint, 3 rd year	38.75	3200	124000
Total (B)			2530375
Total A+B			7877495
Contingency @ 5%			393875
Total			8271370
Departmental charges @ 17.5%			1378562
G.Total			9649932

7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:

i) General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)

ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked

root stock and 40% P/Bags stock.

Species:- Based on locality factor and demand of people.

iv) Plantation Method:- Pit planting method.

v) Soil and moisture conservation works:- 25% of afforestation cost.

vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.

vii) Proposed Monitoring Mechanism:- By h

By higher authority.

viii) Any other information :-

Nil

Date: 66-03-2019 Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Approved

Chief Conservator of Forests (T) Forest Circle, Mandi (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 546 in Muhal Jamnu of Tehsil Karsog, Distt. Mandi, HP. measuring 16.83 hectares to be carried -out in lieu of 409.78 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

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

District: Mandi,

Village: Jamnu,

Tehsil: Karsog,

District: Mandi, HP.

Name of Forest Division: Karsog,

Range: Pangna

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 16.83 hact.

Description of Area 2)

No, the Whether the site selected for Compensatory Afforestion is a land bank or not: 1) selected area is a Non- Forest Land.

If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land) Π)

In case of non forest area identified for CA, then what is the distance of CA site from the III) adjoining forest boundary: Alongside Parwain PF

Soil type: Sandy loam. IV)

V) Topography:

VI (a) Hilly/undulation/ Plain: Hilly

VII(b) Slope Steep / Medium/ Gentle: Medium

Bushes Whether the area is bearing any root stock of vegetation, Bushes: Yes VI) Present.

3) Plantation Model:-

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

Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 4)

1980 (For one hect. Area)

Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. 5) CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 74450/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	16.83	74450	1252994
1st Year	16.83	6850	115286
2nd Year	16.83	4600	77418
3rd Year	16.83	2400	40392
4th Year	16.83	2400	40392
5th Year	16.83	2400	40392
6th Year	16.83	2400	40392
7th Year	16.83	2400	40392
8th Year	16.83	2400	40392
9th Year	16.83	2400	40392

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 554 in Muhal Jamnu of Tehsil Karsog, Distt. Mandi, HP. measuring 10.28 hectares to be carried -out in lieu of 409.78 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

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

District: Mandi,

Village: Jamnu, District: Mandi, HP.

Tehsil: Karsog,

Range: Pangna

Name of Forest Division: Karsog,

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 10.28 hact.

Description of Area 2)

- Whether the site selected for Compensatory Afforestion is a land bank or not: No, the I) selected area is a Non- Forest Land.
- If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land) II)
- In case of non forest area identified for CA, then what is the distance of CA site from the III) adjoining forest boundary: Alongside Parwain PF
- Soil type: Sandy loam. IV)
- Topography: V)
- VI (a) Hilly/undulation/ Plain: Hilly
 - (b) Slope Steep / Medium/ Gentle: Medium
- Bushes Yes Whether the area is bearing any root stock of vegetation, Bushes: VII) Present.
- 3) Plantation Model:-

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

- Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 4) 1980 (For one hect. Area)
- Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. 5) CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-

Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 74450/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	10.28	74450	765346
1st Year	10.28	6850	70418
2nd Year	10.28	4600	47288
3rd Year	10.28	2400	24672
4th Year	10.28	2400	24672
5th Year	10.28	2400	24672
6th Year	10,28	2400	24672
7th Year	10.28	2400	24672
8th Year	10.28	2400	24672
9th Year	10.28	2400	24672

10th Year	10.28	2400	24672
Total A (i)			1080428
A (ii)- cost of plants 26008 Nos.		13	338104
Total (A)			1418532
B (i) Soil Conservation works	10.28	30000	308400
ii) (a) Lantana Eradication 75%	10.28	23700	243636
(b) Maint. 1st year	10.28	5200	53456
(c) Maint. 2 nd year	10.28	3200	32896
(d) Maint. 3 rd year	10.28	3200	32896
Total (B)			671284
Total A+B			2089816
Contingency @ 5%			104491
Total			2194307
Departmental charges @ 17.5%			365718
G.Total			2560025

Technical Details:- Technical details of Compensatory Afforestation Scheme are as 7)

General Detail:- The plantation will be done through pit method as per plantation norms The i) area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)

Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked ii)

root stock and 40% P/Bags stock.

Species:- Based on locality factor and demand of people. iii)

Plantation Method:- Pit planting method. iv)

Soil and moisture conservation works:- 25% of afforestation cost. v)

Approved

Area will be protected from Protection (fencing, watch men, People's participation etc):vi) grazing by erecting barbed wire fencing at all vulnerable places around the plantation.

Proposed Monitoring Mechanism:vii)

By higher authority.

Any other information :viii)

Nil

Date: 06-03-2019

Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Chief Conservator of Forests (T) Forest Circle, Wandi (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 552 in Muhal Jamnu of Tehsil Karsog, Distt. Mandi, HP. measuring 23.87 hectares to be carried –out in lieu of 409.78 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

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

District : Mandi,

Village: Jamnu,

Tehsil: Karsog,

District: Mandi, HP.

Name of Forest Division: Karsog,

Range: Pangna

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 23.87 hact.

2) Description of Area

- Whether the site selected for Compensatory Afforestion is a land bank or not: No, the selected area is a Non- Forest Land.
- II) If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land)
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:

 Alongside Parwain PF
- IV) Soil type: Sandy loam.

V) Topography:

VI (a) Hilly/undulation/ Plain: Hilly

(b) Slope Steep / Medium/ Gentle: Medium

VII) Whether the area is bearing any root stock of vegetation, Bushes:

Present.

Yes

Bushes

3) Plantation Model:-

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

4) Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 1980 (For one hect. Area)

Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 74450/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	23.87	74450	1777122
1st Year	23.87	6850	163510
2nd Year	23.87	4600	109802
3rd Year	23.87	2400	57288
4th Year	23.87	2400	57288
5th Year	23.87	2400	57288
6th Year	23.87	2400	57288
7th Year	23.87	2400	57288
8th Year	23.87	2400	57288
9th Year	23.87	2400	57288

10th Year	23.87	2400	57288
Total A (i)	222-200-200-200-200-200-200-200-200-200		2508738
A (ii)- cost of plants 60391 Nos.		13	785083
Total (A)			3293821
B (i) Soil Conservation works	23.87	30000	716100
ii) (a) Lantana Eradication 75%	23.87	23700	565719
(b) Maint. 1st year	23.87	5200	124124
(c) Maint. 2 nd year	23.87	3200	76384
(d) Maint. 3 rd year	23.87	3200	76384
Total (B)			1558711
Total A+B			4852532
Contingency @ 5%			242627
Total			5095159
Departmental charges @ 17.5%			849193
G.Total	-		5944352

- 7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:
- i) General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)
- ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked root stock and 40% P/Bags stock.
- iii) Species:- Based on locality factor and demand of people.
- iv) Plantation Method:- Pit planting method.
- v) Soil and moisture conservation works:- 25% of afforestation cost.
- vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.
- vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date: 06-03-2019

Place: Karsog

Approved

Divisional Forest Officer, Karsog Forest Division, HP.

Chief Conservator of Forests (T) Forest Circle Mandi (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 548 in Muhal Jamnu of Tehsil Karsog, Distt. Mandi, HP. measuring 28.07 hectares to be carried —out in lieu of 409.78 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

Village: Jamnu,

Range: Pangna

District: Mandi, HP.

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

District : Mandi,

Tehsil: Karsog,

Name of Forest Division: Karsog,

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 28.07 hact.

2) Description of Area

- Whether the site selected for Compensatory Afforestion is a land bank or not: No, the selected area is a Non- Forest Land.
- II) If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land)
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:

 Alongside Parwain PF
- IV) Soil type: Sandy loam.
- V) Topography:
- VI (a) Hilly/undulation/ Plain: Hilly
 - (b) Slope Steep / Medium/ Gentle: Medium
- VII) Whether the area is bearing any root stock of vegetation, Bushes: Yes Bushes Present.
- 3) Plantation Model:-

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

- Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 1980 (For one hect. Area)
- Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 74450/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	28.07	74450	2089812
1st Year	28.07	6850	192280
2nd Year	28.07	4600	129122
3rd Year	28.07	2400	67368
4th Year	28.07	2400	67368
5th Year	28.07	2400	67368
6th Year	28.07	2400	67368
7th Year	28.07	2400	67368
8th Year	28.07	2400	67368
9th Year	28.07	2400	67368

10th Year	28.07	2400	67368
Total A (i)			2950158
A (ii)- cost of plants 71017 Nos.		13	923221
Total (A)			3873379
B (i) Soil Conservation works	28.07	30000	842100
ii) (a) Lantana Eradication 75%	28.07	23700	665259
(b) Maint. 1st year	28.07	5200	145964
(c) Maint. 2 nd year	28.07	3200	89824
(d) Maint. 3 rd year	28.07	3200	89824
Total (B)			1832971
Total A+B			5706350
Contingency @ 5%			285318
Total			5991668
Departmental charges @ 17.5%			998611
G.Total			6990279

7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:

i) General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)

ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked

root stock and 40% P/Bags stock.

iii) Species:- Based on locality factor and demand of people.

iv) Plantation Method:- Pit planting method.

v) Soil and moisture conservation works:- 25% of afforestation cost.

vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.

vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date: 06-03-2019 Place: Karsog

Approved

Divisional Forest Officer, Karsog Forest Division, HP.

Chief Conservator of Forests (T) Forest Circle, Mandi (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 2 in Muhal Sawindhar of Tehsil Karsog, Distt. Mandi, HP. measuring 16.10 hectares to be carried –out in lieu of 406.79 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

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

District: Mandi,

Village: Sawindhar,

Tehsil: Karsog,

District: Mandi, HP.

Name of Forest Division: Karsog,

Range: Pangna

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 16.10 hact.

2) Description of Area

- Whether the site selected for Compensatory Afforestion is a land bank or not: No, the selected area is a Non- Forest Land.
- II) If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land)
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:

 Alongside Kidiya PF
- IV) Soil type: Sandy loam.

V) Topography:

VI (a) Hilly/undulation/ Plain: Hilly

(b) Slope Steep / Medium/ Gentle: Medium

VII) Whether the area is bearing any root stock of vegetation, Bushes: Yes Bushes Present.

3) Plantation Model:-

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

 Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 1980 (For one hect. Area)

Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-

Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 77500/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	16.10	77500	1247750
1st Year	16.10	6850	102235
2nd Year	16.10	4600	69230
3rd Year	16.10	2400	36225
4th Year	16.10	2400	36225
5th Year	16.10	2400	36225
6th Year	16.10	2400	36225
7th Year	16.10	2400	36225
8th Year	16.10	2400	36225
9th Year	16.10	2400	36225

10th Year	16.10	2400	36225
Total A (i)			1709015
A (ii)- cost of plants 23023 Nos.		13	299299
Total (A)			2008314
B (i) Soil Conservation works	16.10	30000	483000
ii) (a) Lantana Eradication 25%	16.10	11750	189175
(b) Maint. 1st year	16.10	3150	50715
(c) Maint. 2 nd year	16.10	1250	20125
(d) Maint. 3 rd year	16.10	1250	20125
Total (B)			763140
Total A+B			2771454
Contingency @ 5%			138573
Total			2910027
Departmental charges @ 17.5%			509255
G.Total			3419282

7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:

- General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)
- ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked root stock and 40% P/Bags stock.
- iii) Species:- Based on locality factor and demand of people.
- iv) Plantation Method:- Pit planting method.
- v) Soil and moisture conservation works:- 25% of afforestation cost.
- vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.
- vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date:

Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Approved

Chief Conservator of Forests (T) Forest Circle, May di (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 88 in Muhal Sawindhar of Tehsil Karsog, Distt. Mandi, HP. measuring 3.32 hectares to be carried -out in lieu of 406.79 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

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

District: Mandi,

Village: Sawindhar,

Tehsil: Karsog,

District: Mandi, HP.

Name of Forest Division: Karsog,

Range: Pangna

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 3.32 hact.

Description of Area

- Whether the site selected for Compensatory Afforestion is a land bank or not: No. the 1) selected area is a Non- Forest Land.
- If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land) II)
- In case of non forest area identified for CA, then what is the distance of CA site from the III) adjoining forest boundary: Alongside Kidiya PF
- Soil type: Sandy loam. IV)
- V) Topography:
- VI (a) Hilly/undulation/ Plain: Hilly
 - (b) Slope Steep / Medium/ Gentle: Medium
- Whether the area is bearing any root stock of vegetation, Bushes: Yes Bushes Present. VII)
- 3) Plantation Model:-

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

- Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 4) 1980 (For one hect. Area)
- Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. 5) CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-

Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-Total Cost = 77500/-

6) Schedule of Plantation Programme:-A (i) Details of year wise break up of requirements of funds is as under:

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	3.32	77500	257300
1st Year	3.32	6850	21082
2nd Year	3.32	4600	14276
3rd Year	3.32	2400	7470
4th Year	3.32	2400	7470
5th Year	3.32	2400	7470
6th Year	3.32	2400	7470
7th Year	3.32	2400	7470
8th Year	3.32	2400	7470
9th Year	3.32	2400	7470

10th Year	3.32	2400	7470
Total A (i)			352418
A (ii)- cost of plants 4748 Nos.		13	61724
Total (A)			414142
B (i) Soil Conservation works	3.32	30000	99600
ii) (a) Lantana Eradication 25%	3.32	11750	39010
(b) Maint. 1st year	3.32	3150	10458
(c) Maint. 2 nd year	3.32	1250	4150
(d) Maint. 3 rd year	3.32	1250	4150
Total (B)			157368
Total A+B			571510
Contingency @ 5%			28576
Total			600086
Departmental charges @ 17.5%			105015
G.Total			705101

7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:

i) General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)

ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked

root stock and 40% P/Bags stock.

iii) Species:- Based on locality factor and demand of people.

iv) Plantation Method:- Pit planting method.

v) Soil and moisture conservation works:- 25% of afforestation cost.

vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.

vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date:

Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Approved

Chief Conservacy of Forests (T. Forest Circle, Maridi (H.P.)

10th Year	32.44	2400	72990
Total A (i)			3443506
A (ii)- cost of plants 46389 Nos.		13	603057
Total (A)			4046563
B (i) Soil Conservation works	32.44	30000	973200
ii) (a) Lantana Eradication 25%	32.44	11750	381170
(b) Maint. 1st year	32.44	3150	102186
(c) Maint. 2 nd year	32.44	1250	40550
(d) Maint. 3 rd year	32.44	1250	40550
Total (B)			1537656
Total A+B			5584219
Contingency @ 5%			279211
Total			5863430
Departmental charges @ 17.5%			1026100
G.Total			6889530

- 7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:
- i) General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)
- ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked root stock and 40% P/Bags stock.
- iii) Species:- Based on locality factor and demand of people.
- iv) Plantation Method:- Pit planting method.
- v) Soil and moisture conservation works:- 25% of afforestation cost.
- vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.
- vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date:

Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Approved

Chief Conservation Forests (T) Forest Circle, Maryli (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 964 in Muhal Sawindhar of Tehsil Karsog, Distt. Mandi, HP. measuring 3.80 hectares to be carried –out in lieu of 406.79 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

Village: Sawindhar,

District: Mandi, HP.

Range: Pangna

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

District : Mandi,

Tehsil: Karsog,

Name of Forest Division:Karsog,

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 3.80 hact.

2) Description of Area

- Whether the site selected for Compensatory Afforestion is a land bank or not: No, the selected area is a Non-Forest Land.
- II) If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land)
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:

 Alongside Kidiya PF
- IV) Soil type: Sandy loam.
- V) Topography:
- VI (a) Hilly/undulation/ Plain: Hilly
 - (b) Slope Steep / Medium/ Gentle: Medium
- VII) Whether the area is bearing any root stock of vegetation, Bushes: Yes Bushes Present.
- 3) Plantation Model:-
 - Copy of the approved Compensatory Afforestation Scheme/ Model showing component-wise physical and financial break up to be enclosed.
- 4) Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 1980 (For one hect. Area)
- Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-

Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 77500/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	3.80	77500	294500
1st Year	3.80	6850	24130
2nd Year	3.80	4600	16340
3rd Year	3.80	2400	8550
4th Year	3.80	2400	8550
5th Year	3.80	2400	8550
6th Year	3.80	2400	8550
7th Year	3.80	2400	8550
8th Year	3.80	2400	8550
9th Year	3.80	2400	8550

10th Year	3.80	2400	8550
Total A (i)			403370
A (ii)- cost of plants 5434 Nos.		13	70642
Total (A)			474012
B (i) Soil Conservation works	3.80	30000	114000
ii) (a) Lantana Eradication 25%	3.80	11750	44650
(b) Maint. 1st year	3.80	3150	11970
(c) Maint. 2 nd year	3.80	1250	4750
(d) Maint. 3 rd year	3.80	1250	4750
Total (B)			180120
Total A+B			654132
Contingency @ 5%			32707
Total			686839
Departmental charges @ 17.5%			120197
G.Total			807036

7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:

- i) General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)
- ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked root stock and 40% P/Bags stock.
- iii) Species:- Based on locality factor and demand of people.

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- iv) Plantation Method:- Pit planting method.
- v) Soil and moisture conservation works:- 25% of afforestation cost.
- vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.
- vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date:

Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Chief Conservator of Forests (T. Forest Circle Wandi (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 2205/611 in Muhal Sawindhar of Tehsil Karsog, Distt. Mandi, HP. measuring 14.48 hectares to be carried –out in lieu of 406.79 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

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

District : Mandi,

Village: Sawindhar,

Tehsil: Karsog,

District: Mandi, HP.

Name of Forest Division: Karsog,

Range: Pangna

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 14.48 hact.

2) Description of Area

- Whether the site selected for Compensatory Afforestion is a land bank or not: No, the selected area is a Non-Forest Land.
- II) If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land)
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:

 Alongside Kidiya PF
- IV) Soil type: Sandy loam.
- V) Topography:
- VI (a) Hilly/undulation/ Plain: Hilly
 - (b) Slope Steep / Medium/ Gentle: Medium
- VII) Whether the area is bearing any root stock of vegetation, Bushes: Yes Bushes Present.
- 3) Plantation Model:-

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

- 4) Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 1980 (For one hect. Area)
- Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-

Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 77500/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	14.48	77500	1122200
1st Year	14.48	6850	91948
2nd Year	14.48	4600	62264
3rd Year	14.48	2400	32580
4th Year	14.48	2400	32580
5th Year	14.48	2400	32580
6th Year	14,48	2400	32580
7th Year	14.48	2400	32580
8th Year	14.48	2400	32580
9th Year	14.48	2400	32580

10th Year	14.48	2400	32580
Total A (i)			1537052
A (ii)- cost of plants 20706 Nos.		13	269178
Total (A)			1806230
B (i) Soil Conservation works	14.48	30000	434400
ii) (a) Lantana Eradication 25%	14.48	11750	174140
(b) Maint. 1st year	14.48	3150	45612
(c) Maint. 2 nd year	14.48	1250	18100
(d) Maint. 3 rd year	14.48	1250	18100
Total (B)			686352
Total A+B			2492582
Contingency @ 5%			124629
Total			2617211
Departmental charges @ 17.5%			458012
G.Total			3075223

- 7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:
- i) General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)
- Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked root stock and 40% P/Bags stock.
- iii) Species:- Based on locality factor and demand of people.
- iv) Plantation Method:- Pit planting method.
- v) Soil and moisture conservation works:- 25% of afforestation cost.

Approved

- vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.
- vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date:

Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Chief Conservator of Forests (T) Forest Circle (Mandi (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 2229/2209/610 in Muhal Sawindhar of Tehsil Karsog, Distt. Mandi, HP. measuring 8.33 hectares to be carried –out in lieu of 406.79 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

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

District: Mandi,

Village: Sawindhar,

Tehsil: Karsog,

District: Mandi, HP.

Name of Forest Division: Karsog,

Range: Pangna

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 8.33 hact.

2) Description of Area

- Whether the site selected for Compensatory Afforestion is a land bank or not: No, the selected area is a Non-Forest Land.
- II) If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land)
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:

 Alongside Kidiya PF
- IV) Soil type: Sandy loam.
- V) Topography:
- VI (a) Hilly/undulation/ Plain: Hilly
 - (b) Slope Steep / Medium/ Gentle: Medium
- VII) Whether the area is bearing any root stock of vegetation, Bushes: Yes Bushes Present.
- 3) Plantation Model:-

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

- Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 1980 (For one hect. Area)
- Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-

Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 77500/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	8.33	77500	645575
1st Year	8.33	6850	52896
2nd Year	8.33	4600	35819
3rd Year	8.33	2400	18743
4th Year	8.33	2400	18743
5th Year	8.33	2400	18743
6th Year	8.33	2400	18743
7th Year	8.33	2400	18743
8th Year	8.33	2400	18743
9th Year	8.33	2400	18743

10th Year	8.33	2400	18743
Total A (i)			884234
A (ii)- cost of plants 11912 Nos.		13	154856
Total (A)			1039090
B (i) Soil Conservation works	8.33	30000	249900
ii) (a) Lantana Eradication 25%	8.33	11750	97878
(b) Maint. 1st year	8.33	3150	26240
(c) Maint. 2 nd year	8.33	1250	10413
(d) Maint. 3 rd year	8.33	1250	10413
Total (B)			394844
Total A+B			1433934
Contingency @ 5%			71697
Total			1505631
Departmental charges @ 17.5%	5		263485
G.Total			1769116

- 7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:
- i) General Detail:- The plantation will be done through pit method as per plantation norms The area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant shrubs and grasses)
- ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked root stock and 40% P/Bags stock.
- iii) Species:- Based on locality factor and demand of people.
- iv) Plantation Method:- Pit planting method.
- v) Soil and moisture conservation works:- 25% of afforestation cost.

Approved

- vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.
- vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date:

Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Chief Conservator of Forests (T) Forest Circle, Mandi (H.P.)

"SCHEME FOR COMPENSATORY AFFORESTATION"

Detailed scheme for Compensatory Afforestation for Khasra No. 373 in Muhal Kot of Tehsil Karsog, Distt. Mandi, HP. measuring 11.73 hectares to be carried –out in lieu of 406.79 hact. of forest area to be diverted for construction of Thana Plaun HEP (191 MW) in favour of HPPCL

Village: Kot,

Range: Pangna

District: Mandi, HP.

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

District: Mandi,

Tehsil: Karsog,

Name of Forest Division: Karsog,

Block/ Compartment/Survey No.: H43F3

Area to be afforested: 11.73 hact.

2) Description of Area

- Whether the site selected for Compensatory Afforestion is a land bank or not: No, the selected area is a Non- Forest Land.
- II) If the CA site is other than the land bank, reasons be given: Yes (Non-Forest Land)
- III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary:

 Alongside Nando PF
- IV) Soil type: Sandy loam.
- V) Topography:
- VI (a) Hilly/undulation/ Plain: Hilly
 - (b) Slope Steep / Medium/ Gentle: Medium
- VII) Whether the area is bearing any root stock of vegetation, Bushes: Yes Bushes Present.
- 3) Plantation Model:-

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

- 4) Estimate for compensatory afforestation to be carried-out in lieu of area diverted under FCA, 1980 (For one hect. Area)
- Fencing as per letter No. Ft. State CAMPA/2010/Norms/Vol.II dated 30.05.2018 of Pr. CCF(HoFF)HP.

Cost per ha. (exclusive of cost of plants) = 63200/-

Cost of plants (1100 Nos. i.e. 1100x13) = 14300/-

Total Cost = 77500/-

6) Schedule of Plantation Programme:-

Year	Area in hac.	Rate/ha.	Total amount
New Plantation	11.73	77500	909075
1st Year	11.73	6850	74486
2nd Year	11.73	4600	50439
3rd Year	11.73	2400	26393
4th Year	11.73	2400	26393
5th Year	11.73	2400	26393
6th Year	11.73	2400	26393
7th Year	11.73	2400	26393
8th Year	11.73	2400	26393
9th Year	11.73	2400	26393

10th Year	11.73	2400	26393
Total A (i)			1245144
A (ii)- cost of plants 16774 Nos.		13	218062
Total (A)			1463206
B (i) Soil Conservation works	11.73	30000	351900
ii) (a) Lantana Eradication 25%	11.73	11750	137828
(b) Maint. 1st year	11.73	3150	36950
(c) Maint. 2 nd year	11.73	1250	14663
(d) Maint. 3 rd year	11.73	1250	14663
Total (B)			556004
Total A+B			2019210
Contingency @ 5%			100961
Total			2120171
Departmental charges @ 17.5%			371030
G.Total			2491201

- 7) Technical Details:- Technical details of Compensatory Afforestation Scheme are as follows:
- General Detail:- The plantation will be done through pit method as per plantation norms The
 area will be protected by Barbad wire fencing and mixture of Conifer and B/L species will be
 planted. 1100 plants will be planted in all in 1.00 hac@1100 plants per hac. (Mixture of plant
 shrubs and grasses)
- ii) Spacement:- Pits of size 45x45x45 cm and 30x30x30 cm will be used for planting 60% naked root stock and 40% P/Bags stock.
- iii) Species:- Based on locality factor and demand of people.
- iv) Plantation Method:- Pit planting method.
- v) Soil and moisture conservation works:- 25% of afforestation cost.
- vi) Protection (fencing, watch men, People's participation etc):- Area will be protected from grazing by erecting barbed wire fencing at all vulnerable places around the plantation.
- vii) Proposed Monitoring Mechanism:-

By higher authority.

viii) Any other information :-

Nil

Date:

Place: Karsog

Divisional Forest Officer, Karsog Forest Division, HP.

Approved

Chief Corset ator of Forests (T) Forest Chief, Mandi (H.P.) Full title of the Project:Diversion of 406.79 hect of forest land in favour HP Power Corporation
Ltd. for the Construction of Thana Plaun HEP (191 MW) within the
jurisdiction of Joginder Nagar Forest Division, Distt. Mandi, HP.

SCHEME FOR COMPENSATORY AFFORESTATION

Detailed scheme for 7.03 hect Compensatory Afforestation and its maintenance for 10 year to be carried out in lieu of forest area to be diverted for the Construction of Thana Plaun HEP (191 MW) within the jurisdiction of Joginder Nagar Forest Division, Distt. Mandi, HP.

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

District: Mandi

Village: Ropapadhar

Tehsil: Joginder Nagar.

Distt. Mandi

Name of Forest Division: Joginder Nagar.

Range: Joginder Nagar.

Block/ Compartment/ Survey No. H43F1

Area to be afforested: 7.03 hac.

2. Description of the Area:-

- ix) Whether the site selected for Compensatory Afforestation is a land bank or not _Yes.
- x) If the CA site is other than the land bank, reasons be given- No
- xi) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: Outside Forest Area
- xii) Soil type- Sandy Loam
- xiii) Topography:
 - (a) Hilly/ Undulating/ Plain -

Hy

(b) Slope Steep/ Medium/Gentle

Ma Jium.

- vi) Whether the area is bearing any root stock of vegetation. Buses
- 3. Plantation Model Copy of the approved Compensatory Afforestation Scheme /Model showing component wise physical and financial break up to be enclosed.
- 4. Estimate for Compensatory afforestation to be carried out in lieu of area diverted under FCA, 1980 (For one hact, area)
- A. Compensatory Afforestation (1100) Plants/Ha) with RCC Fence Posts and 4 stand Barbed wire Fencing as per norms 2019-20

9. Schedule of Plantation Programme:-



A (i) Details of year-wise break up of requirements of funds is as under:

Year	Area	Rate/ha.	Total amount
0 th Year	7.03 ha.	84617/-	5,94,858/-
Ist Year	-do-	6850/-	48,156/-
2 nd Year	-do-	4600/-	32,338/-
3 rd Year	-do-	2400/-	16,872/-
4 th Year	-do-	2400/-	16,872/-
5 th Year	-d o-	2400/-	16,872/-
6 th Year	-do-	2400/-	16,872/-
7 th Year	-do-	2400/-	16,872/-
8 th Year	-do-	2400/-	16,872/-
9 th Year	-do-	2400/-	16,872/-
10 th Year	-do-	2400/-	16,872/-
Total A (i)			8,10,328/-
A(ii)- Cost of Plants 4640 Nos.		19.47/-	90,341/-
Total (A)			9,00,669/-
Soil conservation works	7.03 ha.	30000/-	2,10,900/-
Lantana eradication	7.03 ha.	22000/-	1,54,660/-
Total (B)			3,65,560/-
Total A+B			12,66,229/-
Contingency @ 5%			63,311/-
Total			13,29,540/-
Department charges @ 17.5%			2,32,670/-
	Total		15,62,210/-

10. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- vi) General details:- Plantation will be done through Pit method as per plantation norms
- vii) Spacement:- Pits of size 45 x 45 x 45 cm and 30x30x30 cm will used for planting of 60% naked root stock and 40% P/Bag stock
- viii) Species:- Based on locality factor and demand of people.
- ix) Plantation Method:- Pit planting method.
- x) Soil and Moisture Conservation Works: 25% of afforestation cost.
- xiv) Protection (Fencing Watchman, People's participation etc);- B/wire fencing using concrete same posts.
- xv) Proposed monitoring Mechanism:- By higher authority.
- xvi) Any other information:- nil

Approved

Chief Conservator of Forests (T) Forest Circle, Mandi (H.P.) Divisional Forest Officer Joginder Nagar Forest Division Joginder Nagar (H.P.)

CHECK LIST SERIAL NO.17

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS

DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 29.29 HECTARE TO BE

CARRIED OUT IN LIEU OF 14.645 HECTARE OF AREA TO BE DIVERTED FOR THE

	Detail of degrad	ed forest/Non	Non Fores				
	District		Mandi.				
	Tehsil		Sadar		S C		
	Name of Division	Mandi					
	Area to be affore	Area to be afforestated					
Sr. No.	Name of Forest Range		Name of Muhal & Khasra no.	Area in ha	No.	ey sheet	
1.	Kataula	Bagi	Bambola, KhasraNo.207, 210,244	29.29 ha	H43F	1	
		iv	Total	29.29 ha.			
2.	Description of a	rea					
(i)	Whether the site	selected for CA	is land bank or no	t	No		
(ii)			oank, reason be gi				
(iii)		est area indenti	fied for CA than w	hat is the			
(iv)	Soil Type					y loam	
(v)	Topography a)				Hilly		
(vi)			/Medium/ Gentle		Mediu		
(vii)	and the second s	And in case of the last of the	root stock of veget		Bush		
3.			ved Compensatory	у	Attacl	hed.	
4.	Schedule of Plant	ation Programn	ne				
Deta	il of year wise	break up of a	requirement of	f funds is	as under:-		
S.No	Particulars incl Moisture conser		Qty. in hectares.	Rate in Rs. (per hect.)	Amount	Remar ks if any.	
1.	Compensatory afforestation (1100 plants/Hac.) with RCC Fence Post and 4-strand Barbed wire fencing						
	FENCING		29.29	29200	855268	1	
	PLANTING		29.29	34000	995860		
			The Control of Control	Total	1851128	1	
2.	Maintenance			1			
	1st year		29.29	6850	200637	1	
	2 nd year		29.29	4600	134734	1	
	3 rd year to maintenance	10 th year	29.29	2400	562368		
			*	Total	897739		
	Soil conservatio	n works	29.29	50,000	1464500	1	
	Grand Total (1 to 3)			l to 3)	4213367		
		Contingencies charges @ 5%.			210668		
A B	Contingencies ch	arges @ 5%.		Departmental charges @17.5%			
A B C	Departmental cha	arges @17.5%			737339		
A B C	Departmental cha	arges @17.5% fence posts (T	otal fence post=	1757x@300	737339 94878		
A B C D	Departmental cha GST on cost of	arges @17.5% fence posts (T 94878		1757x@300	Of the second second		

Total ar	nount for 10.2	hect. CA Scheme (A+F	B+C+D+E+F)	6516008		
		Technical Det	ail:-			
Technical de	etail of comp	ensatory afforesta	tion is as und	er:-		
a.	General det		The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.			
b.	Spacement	Spacement				
c.	Species			Broad leave.		
d.	Plantation r	nethod	::	Pit digging.		
e.	Soil & mois	Soil & moisture conservation works;				
f.	Protection	Protection				
g.	Proposed M	onitoring Mechanism		As per guidelines.		
h.	Any other in			Nil.		
Note:-(i)	Rate offend	Pr. CCF.H.P. vide let 2017. Thus the am	ter No. Ft. 48-6 ount is calcula	6/2016(FCA) dated ted accordingly as		
Area in Ha.	Fence Post per ha.	Total fence post is to be used at the time of planting	post			
29.29	60	1757	300	527100		
Note:(ii)	GST on Cost of fence post @ 18%	527100x18%=94878		94878		

Place:-Mandi Date:-14.10.2019

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

Approved

Chief Conservator of Forests (T) Forest Circle Wandi (H.P.)

	CHEME FOR C	TI SECRETARIO PROFESSIONAL DE LA CONTRACTORIO DE LA	ST SERIAL I	Berginor-massiman III	TO 1	O VE	A DC	
	CHEME FOR CO							
	IL SCHEME FOR							
	TRUCTION OF TH						JK III	
CONS	Detail of degrade			Non Fores				
	District							
	Tehsil	Use-off communications.				Mandi. Sadar		
	Name of Division Mandi				-	10		
	Area to be affore			10.2 ha.				
Sr.	Name of Forest		Name of	Area in ha		Surve	y sheet	
No.	Range	Dioca	Muhal & Khasra no.		No.		4 5 50 50 50 5	
1.	Kataula	Bagi	Solang, Khasra no.414&419	10.2 ha		H43F	1	
			Total	10.2 ha.				
2.	Description of a							
(i)	Whether the site	selected for CA i	s land bank or no			No		
(ii)			ank, reason be gi					
(iii)			fied for CA than w			3#3 _ []		
(iv)	Soil Type						loam	
(v)		Hilly/Universal/	Plain			Hilly		
(vi)			/Medium/ Gentle			Medium		
(vii)			root stock of veget			Bush		
3.	Plantation Model:	- Copy of appro-	ved Compensatory	9		Attacl	ned.	
4.	Schedule of Plant							
Deta	il of year wise	break up of r	equirement of	f funds is	as un	ıder:-		
S.No	Particulars incl	1 of year wise break up of requirement of funds is as Particulars including soil & Qty. in Rate in An			Amo	Amount		
				hect.)			any.	
1.	Compensatory afforestation (1100 plants/Hac.) with RCC and 4-strand Barbed wire fencing					73	1	
				with RCC	Fence	Post		
				with RCC	2978			
	and 4-strand B		ing		2978 3668	40 00		
	and 4-strand B FENCING		10.2 10.2	29200	2978	40 00		
2.	and 4-strand B FENCING		10.2 10.2	29200 34000	2978 3668	40 00		
2.	and 4-strand B FENCING PLANTING Maintenance		10.2 10.2	29200 34000	2978 3668	40 00 40		
2.	and 4-strand B FENCING PLANTING		ing 10.2 10.2	29200 34000 Total	2978 3668 644 6	40 00 6 40		
2.	and 4-strand B FENCING PLANTING Maintenance 1st year		10.2 10.2	29200 34000 Total 6850	2978 3668 6446 6987	40 00 6 40 0		
2.	and 4-strand B FENCING PLANTING Maintenance 1st year 2nd year 3rd year to maintenance	arbed wire fence	10.2 10.2 10.2 10.2 10.2 10.2	29200 34000 Total 6850 4600 2400	2978 3668 6446 6987 4692 1958	40 00 6 40 0 0 40		
	and 4-strand B FENCING PLANTING Maintenance 1st year 2nd year 3rd year to	arbed wire fence	10.2 10.2 10.2 10.2 10.2 10.2	29200 34000 Total 6850 4600 2400 Total 50,000	2978 3668 6446 6987 4692 1958 3126 5,10	40 00 6 40 0 0 40		
3.	and 4-strand B FENCING PLANTING Maintenance 1st year 2nd year 3rd year to maintenance	arbed wire fence	10.2 10.2 10.2 10.2 10.2 10.2	29200 34000 Total 6850 4600 2400 Total 50,000	2978 3668 6446 6987 4692 1958 3126 5,10 14,6	40 00 640 0 0 0 40 630 600 7,270		
3. A	and 4-strand B FENCING PLANTING Maintenance 1st year 2nd year 3rd year to maintenance	10 th year	10.2 10.2 10.2 10.2 10.2 10.2	29200 34000 Total 6850 4600 2400 Total 50,000	2978 3668 6446 6987 4692 1958 3126 5,10 14,6 73,36	40 00 640 0 0 0 40 630 600 7,270		
3. A B	and 4-strand B FENCING PLANTING Maintenance 1st year 2nd year 3rd year to maintenance Soil conservatio Contingencies ch Departmental cha	10th year n works arges @ 5%. arges @17.5%	10.2 10.2 10.2 10.2 10.2 10.2 Grand Total (1	29200 34000 Total 6850 4600 2400 Total 50,000 i to 3)	2978 3668 6446 6987 4692 1958 3126 5,10 14,6 73,36 2567	40 00 6 40 0 0 40 6 30 0,000 7,270		
3. A B C	and 4-strand B FENCING PLANTING Maintenance 1st year 2nd year 3rd year to maintenance Soil conservatio Contingencies ch Departmental cha	10th year n works arges @ 5%. arges @17.5% fence posts (*	10.2 10.2 10.2 10.2 10.2 10.2	29200 34000 Total 6850 4600 2400 Total 50,000 i to 3)	2978 3668 6446 6987 4692 1958 3126 5,10 14,6 73,36 2567 3304	40 00 640 0 0 40 630 6,000 7,270 54 72		
2. 3. A B C D	and 4-strand B FENCING PLANTING Maintenance 1st year 2nd year 3rd year to maintenance Soil conservatio Contingencies ch Departmental cha	10th year n works arges @ 5%. arges @17.5% fence posts (*33048	10.2 10.2 10.2 10.2 10.2 10.2 Total fence post-	29200 34000 Total 6850 4600 2400 Total 50,000 i to 3)	2978 3668 6446 6987 4692 1958 3126 5,10 14,6 73,36 2567	40 00 640 0 0 40 630 6,000 7,270 54 72		
3. A B C	and 4-strand B FENCING PLANTING Maintenance 1st year 2nd year 3rd year to maintenance Soil conservatio Contingencies ch Departmental cha GST on cost of =183600X18% = 3 Nursery cost @ 1	10th year 10th year n works arges @ 5%. arges @17.5% fence posts (*33048 1220 x 23 per pr maintenance =180642	10.2 10.2 10.2 10.2 10.2 10.2 Total fence post- plant @ 70% of origin	29200 34000 Total 6850 4600 2400 Total 50,000 1 to 3)	2978 3668 6446 6987 4692 1958 3126 5,10 14,6 73,36 2567 3304	40 00 640 0 0 40 630 60 60		

		Technical Det	ail:-			
Technical d	etail of com	pensatory afforesta	tion is as un	der:-		
a.	General de	tail		The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.		
b.		Spacement				
C.	Species			Broad leave.		
d.	Plantation 1	method		Pit digging.		
e.	Soil & mois	3;	Work shall be carried out for the same.			
f.	Protection	Protection				
g.	Proposed M	onitoring Mechanism		As per guidelines.		
h.	Any other is			Nil.		
Note:-(i)	as fixed by	ce post has been charg Pr. CCF.H.P. vide let 2017. Thus the am	ter No. Ft. 48-6	6/2016(FCA) dated		
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		
10.2	60	612	300	183600		
Note:(ii)	GST on Cost of fence post @ 18%	183600x18%=33048		33048		

Place:-Mandi

Date:-12.10.2019

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

Approved

Chief Coosan alor of Forests (T) Forest Circle Mandi (H.P.)

CHECK LIST SERIAL NO.17

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 20.47 HECTARE TO BE
CARRIED OUT IN LIEU OF 10.235 HECTARE OF AREA TO BE DIVERTED FOR THE

	Detail of degraded for	Non Fores	Non Forest land					
	District	Mandi.						
	Tehsil	Sadar						
	Name of Division							
-	Area to be afforestate	20.47 ha.						
Sr. No.	Name of Forest Bloc Range	k	Name of Muhal & Khasra no.	Area in h		Surve No.	ey sheet	
1.	Kataula Bagi	, 0	Suran, Khasra no.139,215	20.47 ha		H43F	1	
			Total	20.47 ha.				
2.	Description of area							
(i)	Whether the site select					No		
(ii)	If the CA site is other t					-		
(iii)	In case of non forest ar	ea indenti	fied for CA than w	hat is the		-		
(iv)	Soil Type					-	y loam	
(v)		Universal/				Hilly	The State of the S	
(vi)			/Medium/ Gentle				Medium	
(vii)							Bushes.	
3.	Plantation Model:- Cop	The second secon	The state of the s	У		Attacl	hed.	
4.	Schedule of Plantation					1		
	ail of year wise breal				_		100000000000000000000000000000000000000	
S.No ·	Particulars including Moisture conservation		Qty. in hectares.	Rate in Rs. (per hect.)	Am	ount	ks is	
1.	Compensatory affores and 4-strand Barbed			with RCC	Fenc	e Post		
	FENCING		20.47	29200		724		
	PLANTING	50	20.47	34000	695	Name and Address of the Owner, when the Owner,		
				Total	129	3704	1	
2.	Maintenance	Maintenance						
	1st year		20.47	6850		220		
	2nd year							
			20.47	4600	941			
	3 rd year to 10 rd maintenance	h year	20.47	4600 2400	1	62 024		
	3rd year to 10	h year		3.647.053630	393		-4	
3.	3rd year to 10	-		2400	393 627	024	:4	
	3 rd year to 10 rd maintenance	-	20.47	2400 Total 50,000	393 627 102	024 406	-4	
4	3 rd year to 10 rd maintenance	ks	20.47	2400 Total 50,000	393 627 102	024 406 3500 4610	:45	
A B	3rd year to 100 maintenance Soil conservation wor	ks	20.47	2400 Total 50,000	393 627 102 294	024 406 3500 4610	4	
A B C	3rd year to 100 maintenance Soil conservation wor Contingencies charges	ks @ 5%. @17.5%	20.47 20.47 Grand Total (1	2400 Total 50,000 I to 3)	393 627 102 294 147	024 406 3500 4610 231 307	:4	
3. A B C D	3rd year to 100 maintenance Soil conservation wor Contingencies charges Departmental charges (GST on cost of fence	ks @ 5%. @17.5% posts (T	20.47 20.47 Grand Total (1 otal fence post=1	2400 Total 50,000 I to 3)	393 627 102 294 147 515	024 406 3500 4610 231 307 12	:4	
A B C D	3rd year to 100 maintenance Soil conservation wor Contingencies charges of Departmental charges of GST on cost of fence = 368400X18% = 66312	ks @ 5%. @ 17.5% posts (T x 23 per p ntenance 526	20.47 20.47 Grand Total (1 otal fence post=1 olant @ 70% of origin	2400 Total 50,000 to 3)	393 627 102 294 147 515 663	406 3500 4610 231 307 12	:45	

		Technical Det	ail:-			
Technical d	etail of com	pensatory afforesta	tion is as un	der:-		
a.	General de	The area shall be closed to improve the vegetation cover in the locality to enhance the moisture and water table.				
b.	Spacement			3mx3m		
c.	Species			Broad leave.		
d.	Plantation 1			Pit digging. Work shall be		
e.	Soil & mois	Soil & moisture conservation works;				
f.	Protection	Protection				
g.	Proposed M	onitoring Mechanism		As per guidelines.		
h.	Any other in			Nil.		
Note:-(i)	as fixed by 24 th June under-	ce post has been charger. Pr. CCF.H.P. vide let 2017. Thus the am	ter No. Ft. 48-6 ount is calcula	6/2016(FCA) dated ted accordingly as		
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		
20.47	60	1228	300	368400		
Note:(ii)	GST on Cost of fence post @ 18%	368400x18%=66312		66312		

Place:-Mandi Date:-13.10.2019

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

Approved

Chief Conservator of Forests (T) Forest Circle, Wandi (H.P.)

"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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

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

District Mandi Village Batwara
Tehsil Sundernagar

Name of Division Suket Range Kangoo

Block/Compartment/Survey No. Khasra No. 292 of Muhal Batwara.

Area to be afforested: 8 ha.

2. Description of Area

I. Whether the site selected for compensatory Afforestation is a land
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 iv. Soil type:- Sandy loam, Shallow

v. Topography a. Hilly/Undulating/Plain :- Hilly
b. Slope:- Steep/Medium/Gentle :- Steep

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

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

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

352

4. Schedule of Plantation Programme

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

Year	Area		Rate/h N	Nursery cost	Total Amount
0 th Year (New Plantation)	8.0000	ha	60150	24200	674800
1 st . Year	8.0000	ha	6350	7260	108880
2 nd Year	8.0000	ha	4300	4840	73120
3 rd . Year	8.0000	ha	2250	2420	37360
4 th Year	8.0000	ha	2250	2420	37360
5 th Year	8.0000	ha	2250	2420	37360
6 th Year	8.0000	ha	2250	2420	37360
7 th Year	8.0000	ha	2250	2420	37360
8 th Year	8.0000	ha	2250	2420	37360
9 th Year	8.0000	ha	2250	2420	37360
10 th Year	8.0000	ha	2250	2420	37360
	Total	C.A. Sche	me		1155680

Departmental charges @ 17.5% Contegency charges @ 5%

202244 57784

Total

1415708

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer
Suket Forest Division

"SCHEME FOR COMPENSATORY AFFORESTATION"

Village

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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

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

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

Mandi

Tehsil	Sundernagar		
Name of Division	Suket	Range	Kangoo
Block/Compartm	nent/Survey No. Khasi	a No. 1040/992 of Muhal Game	ohu
Area to be affo	rested: 7 ha.		
2. Descript	ion of Area		
I. Whether the si	te selected for compen	satory Afforestation is a land	Yes
ii. If the CA site i	s other than land bank	, reasons be :-	No
iii. In case of non	forest area identified f	or CA, then what is the distance	e of Out side Forest area
iv. Soil type :-			Sandy loam, Shallow
v. Topography a	. Hilly/Undulating/Pl	ain :-	Hilly
	b. Slope:- Steep/N	Medium/Gentle :-	Steep

Plantation Model 3.

District

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

Comment	-
Conta	2

Yes

Gamohu

"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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

1. Detail	of degraded forest	land/non forest land:-	
District	Mandi	Village	Saishdhar
Tehsil	Sundernagar		
Name of Division	Suket	Range	Jai Devi
Block/Compart	ment/Survey No. Khas	sra No. 376 of Muhal Saishdhar	
Area to be aff	orested: 5 ha.		
2. Descrip	tion of Area		
. Whether the s	site selected for compe	nsatory Afforestation is a land	Yes
i. If the CA site	is other than land ban	k, reasons be :-	No
		for CA, then what is the distance of	Out side Forest area
iv. Soil type :-			Sandy loam, Shallow
Services of the services of th	a. Hilly/Undulating/P	lain :-	Hilly
1 0 1 7		Medium/Gentle :-	Steep
vi. Whether the	1000	ot stock of vegetation:-	Yes

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

	100	-	
COL	ntd	2.	

4. Schedule of Plantation Programme

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

Year	Area	•		Nursery cost	Total Amount
0 th Year (New Plantation)	5.0000	ha	60150	24200	421750
1 st . Year	5.0000	ha	6350	7260	68050
2 nd Year	5.0000	ha	4300	4840	45700
3 rd . Year	5.0000	ha	2250	2420	23350
4 th Year	5.0000	ha	2250	2420	23350
5 th Year	5.0000	ha	2250	2420	23350
6 th Year	5.0000	ha	2250	2420	23350
7 th Year	5.0000	ha	2250	2420	23350
8 th Year	5.0000	ha	2250	2420	23350
9 th Year	5.0000	ha	2250	2420	23350
10 th Year	5.0000	ha	2250	2420	23350
and the state of t	Tota	I C.A. Sch	eme		722300
	Departmen	ital charge:	s @ 17.5%		126403

Departmental charges @ 17.5% Contegency charges @ 5%

36115

Total

884818

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer

Suket Forest Division

"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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

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

District Mandi Village Fatehpur
Tehsil Sundernagar
Name of Division Suket Range Jai Devi
Block/Compartment/Survey No. Khasra No. 50 & 94 of Muhal Fatehpur
Area to be afforested: 10 ha.

2. Description of Area

I. Whether the site selected for compensatory Afforestation is a land 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 iv. Soil type:- Sandy loam, Shallow

iv. Soil type :v. Topography a. Hilly/Undulating/Plain :
Sand
Hilly

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

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

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

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

4. Schedule of Plantation Programme

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

Year	Area		Rate/h Nu	irsery cost	Total Amount
0 th Year (New Plantation)	10.0000	ha	60150	24200	843500
1 st . Year	10.0000	ha	6350	7260	136100
2 nd Year	10.0000	ha	4300	4840	91400
3 rd . Year	10.0000	ha	2250	2420	46700
4 th Year	10.0000	ha	2250	2420	46700
5 th Year	10.0000	ha	2250	2420	46700
6 th Year	10.0000	ha	2250	2420	46700
7 th Year	10.0000	ha	2250	2420	46700
8 th Year	10.0000	ha	2250	2420	46700
9 th Year	10.0000	ha	2250	2420	46700
10 th Year	10.0000	ha	2250	2420	46700
	Total	C.A. Sch	eme		1444600
	Departmen	tal charge:	s @ 17.5%		252805

Departmental charges @ 17.5% Contegency charges @ 5%

72230

Total

1769635

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer
Suket Forest Division

"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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

1. Detail of	f degraded forest	t land/non forest land:-	
District	Mandi	Village	Naval
Tehsil	Sundernaga	r	
Name of Division	Suket	Range	Jai Devi
Block/Compartm	ent/Survey No. Kha	sra No. 167 of Muhal Naval	
Area to be affo	rested: 6 ha.		
2. Descript	ion of Area		
. Whether the si	te selected for compe	ensatory Afforestation is a land	Yes
i. If the CA site i	s other than land ban	nk, reasons be :-	No
ii. In case of non	forest area identified	for CA, then what is the distance of	Out side Forest area
iv. Soil type :-			Sandy loam, Shallow
v. Topography a	. Hilly/Undulating/F	Plain :-	Hilly
	b. Slope:- Steep	/Medium/Gentle :-	Steep
vi. Whether the a		oot stock of vegetation:-	Yes

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

Canta	2
Conta	2

360

4. Schedule of Plantation Programme

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

Year	Area		Rate/h	Nursery cost	Total Amount
0 th Year (New Plantation)	6.0000	ha	60150	24200	506100
1 st . Year	6.0000	ha	6350	7260	81660
2 nd Year	6.0000	ha	4300	4840	54840
3 rd . Year	6.0000	ha	2250	2420	28020
4 th Year	6.0000	ha	2250	2420	28020
5 th Year	6.0000	ha	2250	2420	28020
6 th Year	6.0000	ha	2250	2420	28020
7 th Year	6.0000	ha	2250	2420	28020
8 th Year	6.0000	ha	2250	2420	28020
9 th Year	6.0000	ha	2250	2420	28020
10 th Year	6.0000	ha	2250	2420	28020
	Total	C.A. Sch	eme		866760

Departmental charges @ 17.5% Contegency charges @ 5% 151683 43338

Total

1061781

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer
Suket Forest Division

"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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

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

District Mandi Village Bhalana
Tehsil Sundernagar

Name of Division Suket Range Jai Devi

Block/Compartment/Survey No. Khasra No. 174 & 291 of Muhal Bhalana
Area to be afforested: 5 ha.

2. Description of Area

Ι.	Whether the site selected for compensatory Afforestation is a land	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

iv. Soil type :- Sandy loam, Shallow

v. Topography a. Hilly/Undulating/Plain :- Hilly
b. Slope:- Steep/Medium/Gentle :- Steep

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

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

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)	5.0000	ha	60150	24200	421750
1 st . Year	5.0000	ha	6350	7260	68050
2 nd Year	5.0000	ha	4300	4840	45700
3 rd . Year	5.0000	ha	2250	2420	23350
4 th Year	5.0000	ha	2250	2420	23350
5 th Year	5.0000	ha	2250	2420	23350
6 th Year	5.0000	ha	2250	2420	23350
7 th Year	5.0000	ha	2250	2420	23350
8 th Year	5.0000	ha	2250	2420	23350
9 th Year	5.0000	ha	2250	2420	23350
10 th Year	5.0000	ha	2250	2420	23350
	Total	C.A. Sch	eme		722300
	Departmen	tal charges	@ 17.5%		126403

Departmental charges @ 17.5% Contegency charges @ 5%

Total

884818

36115

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer
Suket Forest Division
Sundernagar (H.P.) - 175018

"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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

1	Dotoil	of	degraded	forest	land	mon	foract	land
1.	Detail	OI	degraded	lorest	minu	non	Torest	lanu

District

Mandi

Village

Kanokher

Tehsil

Sundernagar

Name of Division

iv. Soil type :-

Suket

Range

Kangoo

Block/Compartment/Survey No. Khasra No. 882 of Muhal Kanokher

Area to be afforested: 6 ha.

2. Description of Area

I. Whether the site selected for compensatory Afforestation is a land

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

Sandy loam, Shallow

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

Hilly

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

Steep

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

Yes

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

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

4. Schedule of Plantation Programme

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

Year	Area		Rate/h	Nursery cost	Total Amount
0 th Year (New Plantation)	6.0000	ha	60150	24200	506100
1 st . Year	6.0000	ha	6350	7260	81660
2 nd Year	6.0000	ha	4300	4840	54840
3 rd . Year	6.0000	ha	2250	2420	28020
4 th Year	6.0000	ha	2250	2420	28020
5 th Year	6.0000	ha	2250	2420	28020
6 th Year	6.0000	ha	2250	2420	28020
7 th Year	6.0000	ha	2250	2420	28020
8 th Year	6.0000	ha	2250	2420	28020
9 th Year	6.0000	ha	2250	2420	28020
10 th Year	6.0000	ha	2250	2420	28020
	Total	C.A. Scho	eme		866760
	Departmen	tal charges	@ 17.5%		151683

Departmental charges @ 17.5% Contegency charges @ 5%

151683 43338

Total

1061781

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional

Suket Forest Division

365

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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

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

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

District Mandi Village Kunaila Tehsil Sundernagar Suket Name of Division Range Kangoo Block/Compartment/Survey No. Khasra No. 434 of Muhal Kunaila Area to be afforested: 6 ha. 2. Description of Area I. Whether the site selected for compensatory Afforestation is a land 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 iv. Soil type:-Sandy loam, Shallow v. Topography a. Hilly/Undulating/Plain :-Hilly b. Slope:- Steep/Medium/Gentle :-Steep

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

Contd	- 5)		
COLLEG	******		***	***

Yes

366

4. Schedule of Plantation Programme

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

Year	Area	-	Rate/h	Nursery cost	Total Amount
0 th Year (New Plantation)	6.0000	ha	60150	24200	506100
1 st . Year	6.0000	ha	6350	7260	81660
2 nd Year	6.0000	ha	4300	4840	54840
3 rd . Year	6.0000	ha	2250	2420	28020
4 th Year	6.0000	ha	2250	2420	28020
5 th Year	6.0000	ha	2250	2420	28020
6 th Year	6.0000	ha	2250	2420	28020
7 th Year	6.0000	ha	2250	2420	28020
8 th Year	6.0000	ha	2250	2420	28020
9 th Year	6.0000	ha	2250	2420	28020
10 th Year	6.0000	ha	2250	2420	28020
	Total	C.A. Scho	eme		866760
	Departmen	tal charges	a 17.5%		151683

Departmental charges @ 17.5% Contegency charges @ 5%

43338

Total

1061781

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer
Suket Forest Division

"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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

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

District	Mandi	Village	Koon
Tehsil	Sundernagar		
Name of Division	Suket	Range	Kangoo
Block/Compartm	ent/Survey No. Khasra No	o. 318 of Muhal Koon	
Area to be affor	rested: 5 ha.		
2. Descripti	on of Area		
I. Whether the sit	e selected for compensato	ry Afforestation is a land	Yes
ii. If the CA site is	s other than land bank, rea	isons be :-	No
iii. In case of non f	orest area identified for C	A, then what is the distance of	Out side Forest area
iv. Soil type :-		786	Sandy Ioam, Shallow
v. Topography a	Hilly/Undulating/Plain	r-	Hilly
d. 355 de 550	b. Slope:- Steep/Medi		Steep
vi. Whether the a	rea is bearing any root sto	ck of vegetation:-	Yes

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

Conta	2

4. Schedule of Plantation Programme

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

Year	Area		Rate/h	Nursery cost	Total Amount
0 th Year (New Plantation)	5.0000	ha	60150	24200	421750
1 st . Year	5.0000	ha	6350	7260	68050
2 nd Year	5.0000	ha	4300	4840	45700
3 rd . Year	5.0000	ha	2250	2420	23350
4 th Year	5.0000	ha	2250	2420	23350
5 th Year	5.0000	ha	2250	2420	23350
6 th Year	5.0000	ha	2250	2420	23350
7 th Year	5.0000	ha	2250	2420	23350
8 th Year	5.0000	ha	2250	2420	23350
9 th Year	5.0000	ha	2250	2420	23350
10 th Year	5.0000	ha	2250	2420	23350
	Total	C.A. Sche	eme		722300

Departmental charges @ 17.5% Contegency charges @ 5%

126403 36115

Total

884818

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer
Suket Forest Bivision

"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 juridiction of Suket Forest Division, Sundernagar in Mandi District.

1. Detail o	f degraded fo	orest land/non forest land:-	
District	Mandi	Village	Gamohu
Tehsil	Sunder	nagar	See State of the Control of the Cont
Name of Division	Suket	Range	Kangoo
Area to be affo	rested: 9 ha.	Khasra No. 550 of Muhal Gamohu	
2. Descript	ion of Area		
1. Whether the si	te selected for co	ompensatory Afforestation is a land	Yes
ii. If the CA site i	s other than land	d bank, reasons be :-	No
iii. In case of non	forest area ident	tified for CA, then what is the distance o	f Out side Forest area
iv. Soil type:-			Sandy loam, Shallow
v. Topography a	. Hilly/Undulat	ing/Plain :-	Hilly
	b. Slope:- S	Steep/Medium/Gentle :-	Steep
vi. Whether the a	irea is bearing ar	ny root stock of vegetation:-	Yes

3. Plantation Model

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise

Cantal	2	
Contd	,	

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)	9.0000	ha	60150	24200	759150
1 st . Year	9.0000	ha	6350	7260	122490
2 nd Year	9.0000	ha	4300	4840	82260
3 rd . Year	9.0000	ha	2250	2420	42030
4 th Year	9.0000	ha	2250	2420	42030
5 th Year	9.0000	ha	2250	2420	42030
6 th Year	9.0000	ha	2250	2420	42030
7 th Year	9.0000	ha	2250	2420	42030
8 th Year	9.0000	ha	2250	2420	42030
9 th Year	9.0000	ha	2250	2420	42030
10 th Year	9.0000	ha	2250	2420	42030
	Total	C.A. Sche	me		1300140

Departmental charges @ 17.5% Contegency charges @ 5%

227525 65007

Total

1592672

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer
Suket Forest Division A
Sundernagar (H.P.) - 175018



CHECK LIST SERIAL NO.17.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 47.08 HECTARE TO BE CARRIED OUT IN LIEU OF 23.54 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. Mandi. District Sadar Tehsil Mandi Name of Division 47.08 Area to be afforestated Name of Muhal Area in Survey sheet S.No. Name of Forest Block ha. No. Range 47.08 H43F1 Tihri. Kataula Bagi Description of Area 2. Whether the site selected for CA in land bank or not No. (i) If the CA site is other than land bank, reason be given 11) In case of non forest area identified for CA than what is the adjoining forest boundary Sandy loam. Soil type iv) Topography a) Hilly/Universal/Plain Hilly. V) b) Slope, Steep/Medium/Gentle Medium. vi) Whether the area is bearing any root stock of vegetation Bushes. vii) Attacfhed. Plantation Model:- Copy of approved compensatory afforestation 3. Schedule of Plantation programme Detail of year wise break up of requirement of funds as under:-Remarks. Amount Particulars including soil & Oty in Rate in S.N. Moisture conservation. hectares Rs. (per hect.) Compensatory afforestation (1100 plants/hac.) with RCC Fence Post and 4-strand 1. Barbed wire fencing. 1374736 47.08 29200 Fencing 47.08 34000 1600720 Planting 2975456 Total Maintenance 2. 6850 322498 47.08 1st Year 216568 47.08 4600 2nd Year 47.08 2400 903936 3rd Year to 10th year maintenance 1443002 Total 2354000 Soil Conservation works 47.08 50000 3. 6772458 A Grand Total 1to 3 Contingencies charges @ 5% 338623 B 1185180 Departmental charges @ 17.5% C 152550 GST on cost of fence post (Total fence post=2825x@300= D 847500x18%=152550/-Nursery cost @51788x23 plants 1191124 Cost of trees for maintenance @ 70% of original planted plants@ 833796 1100n47.08=51788n70%=36252n23=833796/-10473731 Total amount for 47.08 hect. CA Scheme (A+B+C+D+E+F) Technical Detail Technical detail of compensatory afforestation is as under The area shall be closed to General detail al improve vegetation cover in

				the locality moisture and	to enhance the water table.
b)	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation i	nethod		Pit digging.	
e)	Soil & mois	ture conservation w	orks	Work shall b	e carried out for
f)	Protection			Fencing participation.	& people
g)	Proposed M	onitoring Mechanisr	n	As per guideli	nes.
h)	Any other in			-Nil-	
Note:	vide letter	ce post has been ch No., Ft.48-66/2010 accordingly as under	arged Rs.300/- per f 5(FCA) dated 24 th c	fence post as fixed June 2017. Thus	d byt Pr.CCF,H.P. s the amount is
Area ii	n ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount
47.08		60	2825	300/-	847500/-
Note:	(ii)	GST on Cost of fence post @ 18%.	847500x18%=1525	50	152550/-

Place:-Mandi Dated: 6.3.2019

Approved

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

Chief Conservator of Forests (T) Forest Circle Mandi (H.P.)

CHECK	LIST	SERIAL	NO 1'	7
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SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 2.67 HECTARE TO BE CARRIED OUT IN LIEU OF 1.335 HECTARE OF AREA TO BE DIVERTED FOR THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

THE C	CONSTRUCTION	OF THANA PLO	UN HEP (1	.91 MW)	IN FAVOUR	OF HPPCL
Detail	of degraded fores	t/Non Forest land	Non Fo	rest land.		
Distric	et		Mandi.			
Tehsil			Sadar			
Name	of Division		Mandi			
Area t	o be afforestated		2.67	Ha		
S.No.	Name of Forest Range	Block	Name o	f Muhal	Area in	Survey sheet No.
1.	Panarsa	Shiva Badar	Thatta.		2.67	H43F2
2.	Description of An	rea				
(i)	Whether the site s	selected for CA in la	and bank o	r not		No.
ii)	If the CA site is of	her than land ban	k, reason be	e given		
iii)		est area identified f			he adjoining	=
iv)	Soil type					Sandy loam.
v)		illy/Universal/Plai	n			Hilly.
vi)		lope, Steep/Mediu				Medium.
vii)		is bearing any root		egetation		Bushes.
3.		- Copy of approved			estation	Attached.
4.	Schedule of Plants		- amponde		5.00.000.000.0000	
	of year wise break		nt of funds	as under		
S.N.	Particulars includ Moisture conserva	ing soil &	Qty in hectares	Rate in Rs. (per hect.)	Amount	Remarks.
I.	Compensatory af Barbed wire fencion	forestation (1100 ng.	a <i>8</i>	.) with R		
	Fencing		2.67	2	9200	77964
	Planting		2.67	3	4000	90780
		Total				168744
2.	Maintenance					
	1st Year		2.67	6	850	18289
	2nd Year		2.67	4	600	12282
	3rd Year to 10th ye	ar maintenance	2.67	2	400	51264
		Total				81835
3.	Soil Conservation	works	2.67	5	0000	133500
A	Grand Total 1to	3			ц	384079
В	Contingencies cha	irges @ 5%				19204
C	Departmental cha	rges @ 17.5%		- T 1		67214
D	GST on cost 48000x18%=8640	A CONTRACTOR OF THE PROPERTY O	(Total fe	ence pos	t=160x@300=	8640
E	Nursery cost @29	37x23 plants				67551
E	1100x2.67=2937	maintenance @ x70%=2056x23=4	7288/-	1856 E	nted plants@	47288
Total a	mount for 2.67 h	ect. CA Scheme (A	A+B+C+D+B	E+F)		593976
			ical Det			
Techni	ical detail of comp		mileter in the miletan in the same of the			
a)	General detail	- I will be			The area sho	all be closed to
:: C						tation cover i

				the locality to	o enhance the vater table.
lu l	Spacement			3mx3m	
(d	Species			Broad leave.	
c)		anthod		Pit digging.	
d) e)	Soil & moist	Plantation method		Work shall be the same.	carried out for
Ŋ	Protection			Fencing participation.	& people
· ·	D and M	onitoring Mechanisn	1	As per guidelin	ies.
g)	W THE COLUMN	1 Pro- 12 Pro-		-Nil-	
h)	Any other in	normation	1 Do 200/ per fe	ence post as fixed	byt Pr.CCF,H.P.
Note: (i)	vide letter	No., Ft.48-66/2016	arged Rs.300/- per fo (FCA) dated 24th J	une 2017. Trido	10.00 HATSE
Area ii		Fence Post per hect.	Total fence post	post	Total amount
2.67		60	160	300/-	48000/-
Note:	(ii)	GST on Cost of fence post @ 18%.	48000x18%=8640		8640/-

Place:-Mandi Dated: 6.3.2019

Approved

Chief Gons K idi (H.P.)

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

	SCHEME FOR C		IST SERIA	Carrier Contract Contract	- T	7 700	IO VEADO
DETA	ALL SCHEME FOR	COMPENSATO	ODV AFFO	RESIAI	TON	7 10 .	LUYEARS
BEC	ARRIED OUT IN	LIEU OF 18 81	S HECTAR	RESIAI	TON	TO DE T	3 HECTARE 1
THE	CONSTRUCTION	OF THAMA DI	OHECIAN	LE OF AL	CEA .	TO BE I	OF MEETED FO
Detail	of degraded fores	t/Non Forest las	OUN HEP	rest land) IN F	AVOUR	OF HPPCL
Distri	ct	t/Non Forest lai	Mandi.				1
Tehsi			Sadar	S.			
	of Division		Mandi				
	o be afforestated		37.63				4
S.No.		Block	The state of the s	of Muhal		Day a United	
D.11101	Range	DIOCK	Name	oi munai		rea in a.	Survey sheet No.
1.	Panarsa	Shiva Badar	Suma.			7.63	
2.	Description of Ar		j buma.			7.03	H43F2
(i)	Whether the site s		land bank o	r not			NI.
ii)	If the CA site is ot	her than land ha	nk reason b	o givon	_	-	No.
iii)	In case of non fore	est area identified	I for CA then	e given	ho od	lateda a	# <u></u>
1	forest boundary	or area mentine	ioi en man	what is t	ne ad	Joining	-
iv)	Soil type				-		Condu la
v)	Topography a) H	illy/Universal/Di	ain		_		Sandy loam.
vi)		lope, Steep/Medi					Hilly. Medium.
vii)	Whether the area			ventation			
3.	Plantation Model:-	Copy of approve	d component	getation	oototi		Bushes.
4.	Schedule of Planta	tion programme	u compensai	tory affor	estan	on	Attached.
	of year wise break						
S.N.	Particulars includ	ing soil &	Qty in	Rate in		A	To the second second
J	Particulars including soil & Moisture conservation.					Amount	Remarks.
10			nectares	Rs. (per hect.)			
1.	Compensatory aff	orestation /1100	plants/bac		CC F	Jamas Da	
522	Barbed wire fencin	io	plants/ nac	.) WILLI IN	.cc r	ence ro	st and 4-strai
	Fencing	.р.	37.63	0	9200		1098796
1	Planting		37.63		4000		1279420
	3	Total	101.00		1000		2387216
2.	Maintenance	10111			_		2367216
1	1st Year		37.63	6	850		257765
İ	2nd Year		37.63		600		173098
1	3rd Year to 10th year	r maintenance	37.63				
	- 10M to 10 yea	Total	07.00		400		722496
3.	Soil Conservation		37.63	5	0000		1153359
1	Grand Total 1to 3		57.05	3	0000		1881500
3	Contingencies char						5422075
	Departmental char					-	271104
		of fence post	(Total fen	ce post	-9956	v@200-	948863
	677400x18%=1219		trotar ten	ce post	-2208	300=	121932
	Nursery cost @413						952039
	Cost of trees for 1100x37.63=4139	maintenance @	70% of orig	ginal plan	nted	plants@	666425
otal a	mount for 37.63 h	ect. CA Scheme	(A+B+C+D+	E+F)	-		8382438
			nical Deta		-		0002408
echni	cal detail of comp						-
)	General detail	androis anores	tation is as		11	#45.00° 00.000	H 100000 - 100000
	Como de de tell			1 1	ne a	rea sha	ll be closed t

					to enhance the l water table.
b)	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation	method		Pit digging.	
e)	Soil & mois	ture conservation w	orks	Work shall I the same.	be carried out for
f)	Protection	Protection			& people
g)	Proposed M	onitoring Mechanist	n	As per guidel	
h)	Any other is	nformation		-Nil-	
Note: (i)	vide letter	ce post has been ch No., Ft.48-66/2010 accordingly as under	5(FCA) dated 24th		
Area ii	n ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.		Total amount
37.63		60	2258	300/-	677400/-
Note:	(ii)	GST on Cost of fence post @ 18%.	677400x18%=1219	32	121932/-

Place:-Mandi Dated: 6.3.2019

Approved

Forest Circle/Minds (H.P.)

Chief Cons

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

The area shall be closed to

improve vegetation cover in

5	SCHEME FOR C	OMPENSATO	RY AFFOR	ESTATIO	ON 7 TO 1	O YEARS
DETA	IL SCHEME FOR	COMPENSAT	ORY AFFOR	ESTATIO	N IN 47.24	HECTARE T
	ARRIED OUT IN					
THE	CONSTRUCTION	OF THANA PL	OUN HEP (1	91 MW) I	N FAVOUR	OF HPPCL
Detail	of degraded forest	t/Non Forest la	nd Non For	est land.		
Distri			Mandi.			
Tehsil			Sadar			
Name	of Division		Mandi			
	o be afforestated		47.24			
S.No.	Name of Forest Range	Block	Name o	f Muhal	Area in ha.	Survey sheet No.
1.	Kataula	Bagi	Suhada.	2	47.24	H43F1
2.	Description of Ar	ea				
(i)	Whether the site s	selected for CA in				No.
ii)	If the CA site is ot	her than land ba	ank, reason be	given		
iii)	In case of non fore forest boundary	est area identifie	d for CA than	what is th	e adjoining	
iv)	Soil type					Sandy loam.
v)	Topography a) H	illy/Universal/P	lain			Hilly.
vi)	b) S	lope, Steep/Med	ium/Gentle			Medium.
vii)	Whether the area	is bearing any ro	oot stock of ve	getation		Bushes.
3.	Plantation Model:	- Copy of approv	ed compensat	ory affores	station	Attacfhed.
4.	Schedule of Planta					
Detail	of year wise break	c up of requirem	nent of funds	as under:		
S.N.	Particulars includ		Qty in	Rate in	Amount	Remarks.
	Moisture conserva	ation.	hectares	Rs. (per hect.)		
1.	Compensatory aff	orestation (1100	plants/hac.)		Tence Post ar	nd 4-strand
2.0	Barbed wire fencin		p. 55, 15-7, 11-17			
	Fencing		47.24	29	200	1379408
	Planting		47.24	34	000	1606160
	and the self-matter of	Total	A CASE OF STREET			2985568
2.	Maintenance					
	1st Year		47.24	68	50	323594
	2 nd Year		47.24		00	217304
	3rd Year to 10th ye		47.24	24	00	907008
		Total	and the particular to the same of the same			1447906
3.	Soil Conservation		47.24	50	000	2362000
A	Grand Total 1to					6795474
В	Contingencies cha					339774
С	Departmental cha		10			1189208
D	GST on cost 850200x18%=153	3036/-	t (Total fer	ice post=	2834x@300=	
E	Nursery cost @51					1195172
F	Cost of trees for	maintenance (964x70%=36375			ted plants@	836625
	amount for 47.24			TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE		10509289

Technical detail of compensatory afforestation is as under

General detail

a)

T.				the locality moisture and	to enhance the water table.
[b]	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation 1	nethod		Pit digging.	
e)	Soil & mois	ture conservation wo	orks	Work shall b the same.	e carried out for
f)	Protection	Protection		Fending participation.	& people
g)	Proposed M	lonit <mark>oring Mechanis</mark> n	a .	As per guideli	nes.
h)	Any other in	nformation		-Nil-	
Note: (i)	vide letter	ce post has been cha No., Ft.48-66/2016 accordingly as under	5(FCA) dated 24 th	June 2017. Thus	s the amount is
Area ii	n ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount
47.24		60	2834	300/-	850200/-
- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1			850200x18%=1530	36	153036/-

Place:-Mandi Dated: 1.3.2019

Approved

Chief Constructor of Forests (T) Forest Circle, (Mandi (H.P.) (S.S.Kashyap)HPFS, Divisional Forest Officer, Mandi Forest Division,Mandi.

CHECK LIST SERIAL NO.17. SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 4.29 HECTARE TO BE CARRIED OUT IN LIEU OF 2.145 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 afforestated 4.29 S.No. | Name of Forest Block Name of Muhal Area in Survey sheet Range ha. No. 1. Kataula Bagi Segli 4.29 H43F1 2. 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 In case of non forest area identified for CA than what is the adjoining iii) forest boundary iv) Soil type Sandy loam. Topography a) Hilly/Universal/Plain V) Hilly. vi) b) Slope, Steep/Medium/Gentle Medium. Whether the area is bearing any root stock of vegetation vii) Bushes. 3. Plantation Model:- Copy of approved compensatory afforestation Attached. Schedule of Plantation programme Detail of year wise break up of requirement of funds as under:-S.N. Particulars including soil & Oty in Rate in Amount Remarks. Moisture conservation. hectares Rs. (per hect.) 1. Compensatory afforestation (1100 plants/hac.) with RCC Fence Post and 4-strand Barbed wire fencing. Fencing 4.29 29200 125268 Planting 4.29 34000 145860 Total 271128 2. Maintenance 1st Year 4.29 6850 29386 2nd Year 4.29 4600 19734 3rd Year to 10th year maintenance 4.29 2400 82368 Total 131488 Soil Conservation works 3. 4.29 50000 214500 A Grand Total 1to 3 617116 B Contingencies charges @ 5% 30856 C Departmental charges @ 17.5% 107995 D

Technical Detail Technical detail of compensatory afforestation is as under General detail The area shall be closed to improve vegetation cover in

Cost of trees for maintenance @ 70% of original planted plants@

(Total

fence

post=257@300=

13878

108537

75969

954351

on

E

77100x18%=13878/-

Nursery cost @4719x23 plants

cost of fence post

1100x4.29=4719x70%=3303x23=75969/-Total amount for 4.29 hect. CA Scheme (A+B+C+D+E+F)

				the locality moisture and	
b)	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation r	nethod		Pit digging.	
e)	Soil & mois	ture conservation wo	orks	Work shall b the same.	e carried out for
Ŋ	Protection			Fencing participation.	& people
g)	Proposed M	onitoring Mechanisr	n	As per guideli	nes.
h)	Any other in	nformation		-Nil-	
Note: (i)	vide letter	ce post has been ch No., Ft.48-66/2010 accordingly as under	June 2017. Thus	the amount is	
Area ii	n ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.		Total amount
4.29		60	257	300/-	77100/-
Note: (ii) GST on Cost of fence post @ 18%.		77100x18%=13878		13878/-	

Place:-Mandi Dated: 6.3.2019

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

Approved

Chief Conserve or of Forests (T) Forest Circle, Man (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 fores	t/Non Forest land	l Non For	rest land.		
Distri	ct		Mandi.			
Tehsil			Sadar			
	of Division		Mandi			
SPERCE PROPERTY.	o be afforestated		5.18		1 2 2	The same
S.No.	Name of Forest Range	Block		f Muhal	Area in ha.	Survey sheet No
1	Kataula	Kataula	Nandal.		5.18	H43F1 & H43E13
2.	Description of A					
(i)		selected for CA in l				No.
ii)	If the CA site is of	her than land ban	k, reason be	e given		
iii)	In case of non fore forest boundary	est area identified	for CA than	what is th	ie adjoinin	
iv)	Soil type					Sandy loam.
v)		illy/Universal/Pla				Hilly.
vi)	b) S	lope, Steep/Mediu	m/Gentle			Medium.
vii)	Whether the area	is bearing any roo	t stock of ve	getation		Bushes.
3.	Plantation Model:	 Copy of approved 	l compensat	ory affore	station	Attacfhed.
4.	Schedule of Planta					
Detail	of year wise break					
S.N.	Particulars including soil & Qty in Rate in Moisture conservation. Rs. (per hect.)				nt Remarks.	
1.	Compensatory aff Barbed wire fencion	orestation (1100 p	lants/hac.)		Fence Pos	and 4-strand
	Fencing		5.18	29	9200	151256
	Planting		5.18	34	4000	176120
		Total				327376
2.	Maintenance					
	1st Year		5.18		350	35483
	2 nd Year		5.18	46	500	23828
	3rd Year to 10th ye	ar maintenance	5.18	24	400	99456
		Total				158767
3.	Soil Conservation	works	5.18	50	0000	259000
A	Grand Total 1to	3				745143
В	Contingencies cha	arges @ 5%				37257
C	Departmental cha					130400
D	GST on cost 93300x18%=1679	*	(Total fe	nce pos	t=311x@30	
E	Nursery cost @56	98x23 plants				131054
Ŀ		maintenance @ x70%=3989x23=		ginal plai	nted plant	s(a) 91747
Total	amount for 5.18 h			E+F)		1152395
			nical Det			
Techn	ical detail of com			Carrier .		
a)	General detail			1		shall be closed t

				the locality moisture and	to enhance the water table.
b)	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation i	nethod		Pit digging.	
e)	Soil & mois	ture conservation wo	orks	Work shall the same.	be carried out for
f)	Protection	Protection		Fencing participation.	& people
g)	Proposed M	onitoring Mechanism	n	As per guidel	ines.
h)	Any other in	nformation		-Nil-	
Note: (i)	vide letter	ce post has been ch No., Ft.48-66/2010 accordingly as under	June 2017. Thu	d byt Pr.CCF,H.P. s the amount is	
Area ir	ı 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%.	93300x18%=16794		16794

Place:-Mandi Dated: 1.3.2019

Approved

Chief Conservator of Forests (T) Forest Circle, Mindi (H.P.) (S.S.Kashyap)HPFS, Divisional Forest Officer, Mandi Forest Division, Mandi.

CHECK	LIST	SERIAL	NO.17	
L. FIFTHER	LILLI	MALLE LA LA		

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 22.09 HECTARE TO BE CARRIED OUT IN LIEU OF 11.045 HECTARE OF AREA TO BE DIVERTED FOR THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

HE C		OF THAMA I DOO		The state of the s	The state of the s		
ntail	of degraded fores	OF THANA PLOU	Non Fore	st land.			
Detail of degraded forest/Non Forest land			Mandi.				
ehsil		Sadar					
	of Division	Mandi	Mandi				
roo t	rea to be afforestated					4-2-20	
.No.	Name of Forest	Block	Name of Muhal		Area in	Survey sheet No.	
	Range				ha.		
	Panarsa	Shiva Badar	Nagdhar	V = 5 = 5	22.09	H43F2	
·	Description of A	Description of Area					
)	Whether the site selected for CA in land bank or not					No.	
1	True CIA situation	ther than land hank	reason De	given			
i)	In case of non forest area identified for CA than what is the adjoining					-	
-1	forest boundary					Sandy loam.	
v)	Soil type	3				Hilly.	
)	Tonography a) F	lilly/Universal/Plair	n'i			Medium.	
i)	his	Slope Steep/Mediur	n/Gentle			Bushes.	
ii)	Whather the area	ie bearing any root	stock of ve	getation	++	Attached.	
3,	Plantation Model: Copy of approved compensatory afforestation						
1	Schedule of Plantation programme						
Detai	of year wise brea	k up of requiremen	nt of funds	as under:		1 D	
S.N.	Particulars including soil &		Oly in Rate in		Amount	Remarks.	
	Moisture conservation.		hectares Rs. (per hect.)				
	Barbed wire fencing. Fencing						
	Fencing	ing.	22.09	29	200	645028 751060	
		<i>y</i> .		29	200	645028	
	Fencing Planting	ing. Total	22.09	29	200	645028 751060 1396088	
2.	Fencing Planting Maintenance	<i>y</i> .	22.09 22.09	34	200	645028 751060 1396088	
2.	Planting Maintenance 1st Year	<i>y</i> .	22.09 22.09	34	9200 1000	645028 751060 1396088 151316 101614	
2.	Planting Maintenance 1st Year 2nd Year	Total	22.09 22.09 22.09 22.09	29 32 68 40	0200 1000 350	751060 1396088 151316 101614 424128	
2.	Planting Maintenance 1st Year 2nd Year	Total vear maintenance	22.09 22.09	29 32 68 40	0200 1000 850	751060 1396088 151316 101614 424128 677058	
	Planting Maintenance 1st Year 2nd Year 3rd Year to 10th y	Total vear maintenance Total	22.09 22.09 22.09 22.09	29 34 68 40 24	0200 1000 850	751060 1396088 151316 101614 424128 677058 1104500	
3,	Planting Maintenance 1st Year 2nd Year 3rd Year to 10th y Soil Conservatio	Total vear maintenance Total n works	22.09 22.09 22.09 22.09 22.09	29 34 68 40 24	0200 1000 850 500 400	751060 1396088 151316 101614 424128 677058 1104500 3177646	
3. A	Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th y Soil Conservatio Grand Total 1to	Total vear maintenance Total n works	22.09 22.09 22.09 22.09 22.09	29 34 68 40 24	0200 1000 850 500 400	751060 1396088 151316 101614 424128 677058 1104500 3177646 158882	
3. A B	Fencing Planting Maintenance 1st Year 2nd Year 3nd Year to 10th y Soil Conservatio Grand Total 1to Contingencies of	Total vear maintenance Total n works 3 harges @ 5%	22.09 22.09 22.09 22.09 22.09 22.09	68 40 24	0200 1000 850 500 400	751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088	
3. A B	Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th y Soil Conservatio Grand Total 1to Contingencies of Departmental of	Total rear maintenance Total n works o 3 harges @ 5% harges @ 17.5%	22.09 22.09 22.09 22.09 22.09 22.09	68 40 24	0200 1000 850 500 400	751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088	
3. A B	Fencing Planting Maintenance 1st Year 2nd Year 3nd Year to 10th y Soil Conservatio Grand Total 1te Contingencies of Departmental of GST on cost	Total rear maintenance Total n works o 3 harges @ 5% harges @ 17.5% of fence post	22.09 22.09 22.09 22.09 22.09 22.09	68 40 24	0200 1000 850 500 400	645028 751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088 4 71550	
3. A B C D	Fencing Planting Maintenance 1st Year 2nd Year 3nd Year to 10th y Soil Conservatio Grand Total 1tc Contingencies el Departmental el GST on cost 397500x18%=7	Total rear maintenance Total n works o 3 harges @ 5% harges @ 17.5% of fence post 1550/-	22.09 22.09 22.09 22.09 22.09 22.09 (Total fee	29 34 40 24 50 50	0200 1000 350 500 400 -1325×4300	645028 751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088 + 71550	
D E	Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th y Soil Conservatio Grand Total 1tc Contingencies of Departmental of GST on cost 397500x18%=7 Nursery cost (a)	Total rear maintenance Total n works o 3 harges @ 5% harges @ 17.5% of fence post 1550/- 24299x23 plants or maintenance @	22.09 22.09 22.09 22.09 22.09 (Total fee	29 32 68 40 24 50 50 100 0200 1000 350 500 400 -1325×4300	645028 751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088 + 71550		
3. A B C D	Fencing Planting Maintenance 1st Year 2nd Year 3nd Year to 10th y Soil Conservatio Grand Total 1tc Contingencies of Departmental of GST on cost 397500x18%=7 Nursery cost @ Cost of trees f	Total Tear maintenance Total n works o 3 harges @ 5% harges @ 17.5% of fence post 1550/- 24299x23 plants or maintenance @ 1299x70%=17009x	22.09 22.09 22.09 22.09 22.09 22.09 (Total fe) 70% of or 23=39120	29 32 68 40 22 50 50 10 10 10 10 10 10 10 1	0200 1000 350 500 400 -1325×4300	645028 751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088 71550 558877 @ 391207	
3. A B C D	Fencing Planting Maintenance 1st Year 2nd Year 3nd Year to 10th y Soil Conservatio Grand Total 1tc Contingencies of Departmental of GST on cost 397500x18%=7 Nursery cost @ Cost of trees f	Total rear maintenance Total n works o 3 harges @ 5% harges @ 17.5% of fence post 1550/- 24299x23 plants or maintenance @ 1299x70%=17009x 9 hect. CA Scheme	22.09 22.09 22.09 22.09 22.09 22.09 (Total feroman fer	29 34 40 24 50 50 10 10 10 10 10 10 10 1	0200 1000 350 500 400 -1325×4300	751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088 + 71550	
3. A B C D E Tota	Fencing Planting Maintenance 1st Year 2nd Year 3nd Year to 10th y Soil Conservatio Grand Total 1tc Contingencies of Departmental of GST on cost 397500x18%=7 Nursery cost @ Cost of trees f 1100x22.09=24 I amount for 22.0	Total rear maintenance Total n works o 3 harges @ 5% harges @ 17.5% of fence post 1550/- 24299x23 plants or maintenance @ 4299x70%=17009x 9 hect. CA Scheme	22.09 22.09 22.09 22.09 22.09 22.09 (Total fe) 70% of or 23=39120 (A+B+C+D	29 34 40 24 50 50 150 150	0200 1000 350 500 400 -1325×4300	645028 751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088 71550 558877 @ 391207	
3. A B C D E Tota	Fencing Planting Maintenance 1st Year 2nd Year 3nd Year to 10th y Soil Conservatio Grand Total 1tc Contingencies of Departmental of GST on cost 397500x18%=7 Nursery cost @ Cost of trees f 1100x22.09=24 I amount for 22.0	Total rear maintenance Total n works o 3 harges @ 5% harges @ 17.5% of fence post 1550/- 24299x23 plants or maintenance @ 4299x70%=17009x 9 hect. CA Scheme	22.09 22.09 22.09 22.09 22.09 22.09 (Total fe) 70% of or 23=39120 (A+B+C+D	29 34 40 24 50 150	0200 1000 350 500 400 0000 =1325×0300 nted plants	645028 751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088 71550 558877 (a) 391207	
3. A B C D E Tota	Fencing Planting Maintenance 1st Year 2nd Year 3nd Year to 10th y Soil Conservatio Grand Total 1tc Contingencies of Departmental of GST on cost 397500x18%=7 Nursery cost @ Cost of trees f 1100x22.09=24 I amount for 22.0	Total rear maintenance Total n works o 3 harges @ 5% harges @ 17.5% of fence post 1550/- 24299x23 plants or maintenance @ 1299x70%=17009x 9 hect. CA Scheme	22.09 22.09 22.09 22.09 22.09 22.09 (Total fe) 70% of or 23=39120 (A+B+C+D	29 34 40 24 50 15 15 15 15 15 15 15	0200 1000 350 500 400 0000 =1325x@300 nted plants	645028 751060 1396088 151316 101614 424128 677058 1104500 3177646 158882 556088 71550 558877 @ 391207	

-				the locality	o enhance the	
				moisture and s	water table.	
b)	Spacement	ement			1	
c)	Species			Broad leave.	-	
d)	Plantation method			Pit digging.	and out for	
e)	Soil & moisture conservation works			the same.	e carried out for	
f)	Protection			Fencing participation.	& people	
g)	Proposed Monitoring Mechanism			As per guidelii	nes.	
h)	and the formation			-Nil-		
Note: (i)	Rate of fence post has been charged Rs.300/- per fence post as fixed by Pr.CCF, R.1 vide letter No., Ft.48-66/2016(FCA) dated 24th June 2017. Thus the amount calculated accordingly as under.					
Area ii		Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount	
20.00		60	1325	300/-	397500/-	
22.09 Note: (ii)		GST on Cost of fence post @ 18%.	The state of the s	0	71550/-	

Place:-Mandi Dated: 6.3.2019

Approved

Chief Conservator

Forests (T)

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

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 fores	t/Non Forest la		rest land.		
Distri	ct		Mandi.			
Tehsil		Sadar				
Name	of Division	00.00	Mandi			
Area t	o be afforestated		13.27			
S.No.	Name of Forest Range	Block	Name o	f Muhal	Area in ha.	Survey sheet No.
1.	Panarsa	Shiva Badar				
2.	Description of Area					
(i)	Whether the site selected for CA in land bank or not					
ii)	If the CA site is of					=
iii)	In case of non fore forest boundary	*				
iv)	Soil type		#A			Sandy loam.
v)	Topography a) H	illy/Universal/P	lain			Hilly.
vi)						Medium.
vii)					Bushes.	
3.	Plantation Model:				tation	Attached.
4.	Schedule of Plantation programme					
Detail	of year wise breal	up of requiren	nent of funds	as under:-		
S.N.	Particulars includ Moisture conserva		Qty in hectares			Remarks.
1.	Compensatory af Barbed wire fencing					
	Fencing		13.27			387484
	Planting		13.27	13.27 34		451180
		Tota	1			838664
2.	Maintenance					
	1st Year		13.27	685		90899
	2 nd Year		13.27	460		61042
	3rd Year to 10th year maintenance		13.27	13.27 240		254784
	9-00-	Tota				406725
3.	Soil Conservation works 13.27 50000				663500	
A	Grand Total 1to 3					1908889
В	Contingencies charges @ 5%					95444
С	Departmental charges @ 17.5%					334056
D	GST on cost of fence post (Total fence post=796x@300= 238800x18%=42984/-					
E	Nursery cost @14597x23 plants					335731
F	Cost of trees for maintenance @ 70% of original planted plants@ 1100x13.27=14597x70%=10218x23=235014/-					235014
	al amount for 13.27 hect. CA Scheme (A+B+C+D+E+F)					
Total	amount for rolls		STATE OF THE OWNER O			2952118
Total	amount for 10,27	Tec	hnical Det	111		
	ical detail of com		hnical Det			

				the locality moisture and	to enhance the water table.		
b)	Spacement			3mx3m	The large statistical control		
c)	Species			Broad leave.	Broad leave.		
d)	Plantation r	nethod		Pit digging.	Pit digging.		
e)	Soil & moisture conservation works			Work shall b	Work shall be carried out for		
Ŋ	Protection			Fencing participation.	& people		
g)	Proposed Monitoring Mechanism As per guide				nes.		
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. vide letter No., Ft.48-66/2016(FCA) dated 24th June 2017. Thus the amount calculated accordingly as under.						
Area ir		Fence Post per hect.	Total fence post	Cost of fence post	Total amount		
13.27 60		60		300/-	238800/-		
Note: (ii) GST on Cos fence post 18%.			238800x18%=82836		42984/-		

Place:-Mandi Dated: 6.3.2019

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

Approved

Chief Conservator (T)
Forest Circle (H.P.)



improve vegetation cover in

CHECK	T	TOT	CEDI	AT	MO	17	
CHMCH	- 10		START	AL	IVC		8

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 14.48 HECTARE TO BE CARRIED OUT IN LIEU OF 7.24 HECTARE OF AREA TO BE DIVERTED FOR THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

Detail	of degraded fores	t/Non Forest la	nd Non For	est land.			
Distri			Mandi.				
Tehsil			Sadar				
Name	of Division		Mandi				
Area t	o be afforestated		14.48				
	Name of Forest Range	Block	Name o	f Muhal	Area in ha.	Survey sheet	
1:	Kataula	Bagi	Kundak	h.	14.48	H43F1	
2.	Description of A	rea					
(i)	Whether the site s	selected for CA in	ı land bank or	not		No.	
ii)	If the CA site is of	her than land ba	ank, reason be	t, reason be given			
iii)	In case of non for forest boundary	est area identifie	d for CA than	what is the	e adjoining	#	
iv)						Sandy loam.	
v)		Topography a) Hilly/Universal/Plain					
vi)	b) Slope, Steep/Medium/Gentle						
vii)	Whether the area is bearing any root stock of vegetation						
3.		ntation Model:- Copy of approved compensatory afforestation /					
4.	Schedule of Plantation programme						
	of year wise break			as under:			
S.N.	Particulars includ Moisture conserva	ing soil &	Qty in hectares	Qty in Rate in Amount		Remarks.	
1.	Compensatory aff Barbed wire fenci		plants/hac.)			nd 4-strand	
	Fencing		14.48	29	200	422816	
	Planting		14.48	34	000	492320	
		Tota	i			915136	
2.	Maintenance					4	
	1st Year		14.48	68	50	99188	
	2nd Year		14.48	46	00	66608	
	3rd Year to 10th ye	ar maintenance	14.48	24	00	278016	
		Tota	1			443812	
3.	Soil Conservation	works	14.48	50	000	724000	
A	Grand Total 1to	3	**************************************			2082948	
В	Contingencies cha	arges @ 5%				104147	
C	Departmental cha	rges @ 17.5%				364516	
D	GST on cost 260700x18%=469	of fence pos 926/-	st (Total fe	nce post	=869x@300=	46926	
E	Nursery cost @15	928x23 plants				366344	
F	Cost of trees for 1100x14.48=159				ted plants@	256450	
Total	amount for 14.481	nect. CA Schem	e (A+B+C+D+	E+F)		3221331	
		Tec	hnical Deta	ail			
Techn	ical detail of com		AND DESCRIPTION OF THE PARTY OF				

				the locality moisture and	to enhance the water table.
b)	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation 1	Plantation method			
e)	Soil & mois	Soil & moisture conservation works			e carried out for
f)	Protection	Protection			& people
g)	Proposed M	onitoring Mechanisr	As per guideli	nes.	
h)	Any other in			-Nil-	
Note: (i)	vide letter	e post has been changle. No., Ft.48-66/2010 Eccordingly as under	arged Rs.300/'- per fe 5(FCA) dated 24 th Ju '.	nce post as fixed ine 2017. Thus	I byt Pr.CCF,H.P. the amount is
Area ir	ha.	Fence Post per hect.		Cost of fence post	Total amount
14.48		60		300/-	260700/-
Note:	(ii)	GST on Cost of fence post @ 18%.	260700x18%=46926		46926/-

Approved

Chief Conserv (of Forests (T) Forest Circle (H.P.)

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

The area shall be closed to

-	SOUTHING BOD C	CHECK LIS			N 7 TO 1	OVEADE
	SCHEME FOR C					
	IL SCHEME FOR					
	ARRIED OUT IN					
	CONSTRUCTION				N FAVOUR	OF HPPCL
Detail	of degraded fores	t/Non Forest land		est land.		
Distri	et		Mandi.			
Tehsil			Sadar			
Name	of Division		Mandi			
Area t	o be afforestated		3.88			
S.No.	Name of Forest Range	Block	Name of	Muhal	Area in ha.	Survey sheet No.
1.	Mandi	Rehardhar	Katindhi		3.88	H43E13
2.	Description of A	rea				
(i)		selected for CA in I	and bank or	not		No.
ii)	If the CA site is of	her than land ban	k, reason be	given		-
iii)	In case of non for forest boundary	est area identified	for CA than	what is the	e adjoining	* + 1.5+1
iv)	Soil type	Sandy loam.				
v)		illy/Universal/Pla	in			Hilly.
vi)	b) S	Medium.				
vii)	Whether the area	Bushes.				
3.	Plantation Model:	Attached.				
3. 4.	Schedule of Plant	TITLE OF THE STATE				
4. D-4-11	of year wise break	ation programme	nt of funds	ne under		
	Particulars includ		Qty in	Rate in	Amount	Remarks.
S.N.	Moisture conserva		hectares	Rs. (per	Zimouni	Remarks.
	Worsture Conserva	ttion.	ricciares	hect.)		
1.	Compensatory of	forestation (1100	plants/hac	with RC	C Fence Po	st and 4-strar
1,	Barbed wire fenci		pittitis/ rice.	, ,,,,,,,	0 . 000	
	Fencing Fencing	116.	3.88	29	200	113296
	Planting		3.88		000	131920
	Tanting	Total	10.00	10.	Ī	245216
2.	Maintenance	Total				
e4 •	1st Year		3.88	68	50	26578
	2 nd Year		3.88	46		17848
	3rd Year to 10th ye	ar maintenance	3.88		00	74496
	1 5 Tear to 10 ye	Total	0.00	4-1		118922
3.	Soil Conservation		3.88	50	000	194000
A	Grand Total 1to		1 0.00	100		558138
В	Contingencies ch					27907
C	Departmental cha					97674
	GST on cost		(Total fe	nce post	=233x@300=	
D	69900x18%=1258	32/-	(10tal le	nce post	2001((0000-	9
E	Nursery cost @42					98164
F	1100x3.88=4268	maintenance @ 8x70%=2988x23=	68724/-	S 8	ted plants@	
			CONTRACTOR OF THE STREET, STRE	CONTRACTOR OF THE PARTY OF THE		863189
Total	amount for 2.67 h	ect. CA Scheme	A+B+C+D+E	(+F)		803169

General detail

					the		to enha	cover in ance the ble.
b)	Spacement	nent			3mx3			
c)	Species				Broad	d leave.		
d)	Plantation 1	Plantation method			Pit di	gging.		
e)	Soil & mois	ture conservation w	orks			shall b	e carrie	d out for
f)	Protection				Fenci partic	ng cipation.	86	people
g)	Proposed M	onitoring Mechanisr	n			r guideli	nes.	
h)	Any other in	nformation			-Nil-			
Note: (i)	vide letter	ce post has been ch No., Ft.48-66/2010 accordingly as under	arged Rs.300/- per 6(FCA) dated 24 th	fence June	201	as fixed 7. Thus	byt Pr.	CCF,H.P. nount is
Area ir	ı ha,	Fence Post per hect.	Total fence post is to be used at the time of planting.			fence	Total ar	nount
3.88		60	233	300	1-		69900/	
Note: (ii)	GST on Cost of fence post @ 18%.	69900x18%=8640				12582/	

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

Approved

or of Forests (T) Forest Ciryle

CHECK LIST SERIAL NO.17.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 3.56 HECTARE TO
BE CARRIED OUT IN LIEU OF 1.78 HECTARE OF AREA TO BE DIVERTED FOR

		t/Non Forest lan	And the second s	rest land.		
Distri			Mandi.			
Tehsil			Sadar			
	of Division		Mandi			
Area t	o be afforestated			3.56		
S.No.	Name of Forest Range	Block	Name o	f Muhal	Area in ha.	Survey sheet No.
1.	Mandi	Sadar	Jhal		3.56	H43E14
2.	Description of A					
(i)					No.	
ii)	If the CA site is of	her than land bar	ık, reason be	e given		•
iii)	In case of non fore forest boundary	est area identified	for CA than	what is the	e adjoining	× 100
iv)	Soil type					Sandy loam.
v)	Topography a) H	illy/Universal/Pla	in			Hilly.
vi)	b) S	lope, Steep/Mediv	ım/Gentle			Medium.
vii)	Whether the area	is bearing any roo	t stock of ve	egetation		Bushes.
3.	Plantation Model:- Copy of approved compensatory afforestation				Attached.	
4.	Schedule of Plant					
	of year wise breal					1 - 1
S.N.	Particulars includ Moisture conserva	ation.	hectares	Qty in Rate in Amount hectares Rs. (per hect.)		
1.	Compensatory afforestation (1100 plants/hac.) with RCC Fence Post and 4-str Barbed wire fencing.					
						1 1 15
			3.56	29	200	103952
	Barbed wire fenci	ng.		29		103952 121040
	Barbed wire fencing Fencing Planting		3.56	29	200	103952
2.	Barbed wire fencing Fencing Planting Maintenance	ng.	3.56 3.56	29 34	200 000	103952 121040 224992
2.	Barbed wire fencing Fencing Planting Maintenance 1st Year	ng.	3.56 3.56	29 34	200 000 50	103952 121040 224992 24386
2.	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year	ng. Total	3.56 3.56 3.56 3.56	29 34 68 46	200 000 50 00	103952 121040 224992 24386 16376
2.	Barbed wire fencing Fencing Planting Maintenance 1st Year	Total ar maintenance	3.56 3.56	29 34 68 46	200 000 50	103952 121040 224992 24386 16376 68352
	Barbed wire fencion Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th year	Total ar maintenance Total	3.56 3.56 3.56 3.56 3.56	29 34 68 46 24	200 000 50 00 00	103952 121040 224992 24386 16376 68352 109114
3.	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation	Total ar maintenance Total works	3.56 3.56 3.56 3.56	29 34 68 46 24	200 000 50 00	103952 121040 224992 24386 16376 68352 109114 178000
3. A	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to	ar maintenance Total works	3.56 3.56 3.56 3.56 3.56	29 34 68 46 24	200 000 50 00 00	103952 121040 224992 24386 16376 68352 109114 178000 512106
3. A B	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to Contingencies cha	Total ar maintenance Total works 3 arges @ 5%	3.56 3.56 3.56 3.56 3.56	29 34 68 46 24	200 000 50 00 00	103952 121040 224992 24386 16376 68352 109114 178000 512106 25605
3. A B	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to Contingencies characteristics	Total ar maintenance Total works 3 arges @ 5% arges @ 17.5%	3.56 3.56 3.56 3.56 3.56	29 34 68 46 24	200 000 50 00 00 00	103952 121040 224992 24386 16376 68352 109114 178000 512106 25605 89619
3. A B C D	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to Contingencies characteristics Departmental characteristics GST on cost 64200x18%=1155	ar maintenance Total works arges @ 5% arges @ 17.5% of fence position	3.56 3.56 3.56 3.56 3.56	29 34 68 46 24	200 000 50 00 00	103952 121040 224992 24386 16376 68352 109114 178000 512106 25605 89619 = 11556
3. A B C D	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to Contingencies cha Departmental cha GST on cost 64200x18%=1155 Nursery cost @39	ar maintenance Total works 3 arges @ 5% arges @ 17.5% of fence posi 56/-	3.56 3.56 3.56 3.56 3.56	29 34 68 46 24 50 Sence pos	200 000 50 00 00 00 000 st=214@300=	103952 121040 224992 24386 16376 68352 109114 178000 512106 25605 89619 = 11556
3. A B C D E F	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to Contingencies cha Departmental cha GST on cost 64200x18%=1155 Nursery cost @39 Cost of trees for 1100x3.56=3916	Total ar maintenance Total works arges @ 5% arges @ 17.5% of fence post 66/- 016x23 plants maintenance @ 6x70%=2741x23=	3.56 3.56 3.56 3.56 3.56 3.56 70% of ori	29 34 68 46 24 50 Sence pos	200 000 50 00 00 00 000 st=214@300=	103952 121040 224992 24386 16376 68352 109114 178000 512106 25605 89619 = 11556 90068 0 63043
3. A B C D E F	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to Contingencies chat Departmental chat GST on cost 64200x18%=1155 Nursery cost @39 Cost of trees for	rotal ar maintenance Total works arges @ 5% arges @ 17.5% of fence posi 66/- 016x23 plants maintenance @ 6x70%=2741x23= ect. CA Scheme (3.56 3.56 3.56 3.56 3.56 3.56 4 (Total 1	29 34 68 46 24 50 Sence pos	200 000 50 00 00 00 000 st=214@300=	103952 121040 224992 24386 16376 68352 109114 178000 512106 25605 89619 = 11556
3. A B C D E F	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to Contingencies cha Departmental cha GST on cost 64200x18%=1155 Nursery cost @39 Cost of trees for 1100x3.56=3916	rotal ar maintenance Total works arges @ 5% arges @ 17.5% of fence posi 66/- 016x23 plants maintenance @ 6x70%=2741x23= ect. CA Scheme (3.56 3.56 3.56 3.56 3.56 3.56 70% of ori	29 34 68 46 24 50 Sence pos	200 000 50 00 00 00 000 st=214@300=	103952 121040 224992 24386 16376 68352 109114 178000 512106 25605 89619 = 11556 90068 0 63043
3. A B C D Total	Barbed wire fencing Fencing Planting Maintenance 1st Year 2nd Year 3rd Year to 10th ye Soil Conservation Grand Total 1to Contingencies cha Departmental cha GST on cost 64200x18%=1155 Nursery cost @39 Cost of trees for 1100x3.56=3916	ar maintenance Total works arges @ 5% arges @ 17.5% of fence posi 66/- 016x23 plants maintenance @ 6x70%=2741x23= ect. CA Scheme (3.56 3.56 3.56 3.56 3.56 3.56 70% of ori 63043/- (A+B+C+D+B	29 34 68 46 24 50 Sence pos Siginal plan E+F)	200 000 50 00 00 00 000 st=214@300=	103952 121040 224992 24386 16376 68352 109114 178000 512106 25605 89619 = 11556 90068 0 63043

					TI .		
					to enhance the		
b)	Spacement			3mx3m	4:		
c)	Species			Broad leave.			
d)	Plantation r	nethod	Pit digging.				
e)	Soil & mois	ture conservation w	orks		be carried out for		
Ŋ	Protection	tection			& people		
g)	Proposed M	onitoring Mechanist	n	As per guide			
h)	Any other in	nformation		-Nil-			
Note: (i)	vide letter	e post has been ch No., Ft.48-66/2010 ccordingly as under	arged Rs.300/- per 6(FCA) dated 24th	fence post as fixe June 2017. Thu	d byt Pr.CCF,H.P. s the amount is		
Area ir			Total fence post is to be used at the time of planting.		Total amount		
3.56		60	214	300/-	64200/-		
Note: (ii)	GST on Cost of fence post @ 18%.	64200x18%=11556		11556/-		

(S.S.Kashyap)HPFS,

Divisional Forest Officer, Mandi Forest Division, Mandi.

Approved

apomend;

Chilef Conserve of Forests (T)
Forest Circle, Undi (H.P.)

CHECK LIST SERIAL NO.17.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 7.93 HECTARE TO
BE CARRIED OUT IN LIEU OF 3.965 HECTARE OF AREA TO BE DIVERTED FOR
THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

Data	CONSTRUCTION of degraded fores	OF THANA PLO	UN HEP (191 MW) I	N FAVOUR	OF HPPCL	
Distri		t/Hon Forest land	Mandi.	rest land.			
Tehsil			TO A CONTROL OF THE PARTY OF TH				
	of Division		Sadar Mandi				
	o be afforestated		7.93				
S.No.	Name of Forest	Block		f Muhal			
	Range		SATURATION AND	2=115022 4521110 4-03.	Area in ha.	Survey sheet No.	
1.	Kataula	Bagi	Halgarh		7.93	H43F1	
2.	Description of A						
(i)		selected for CA in la				No.	
ii)	If the CA site is ot	her than land banl	k, reason b	e given		ren .	
iii)	In case of non fore forest boundary	= 2					
iv)	Soil type					Sandy loam.	
v)		illy/Universal/Plai	lly/Universal/Plain				
vi)	b) Si	Hilly. Medium.					
vii)	Whether the area	Bushes.					
3.	Plantation Model:-	Copy of approved	compensat	ory affores	tation	Attacfhed.	
4.	Schedule of Planta	ation programme					
Detail	of year wise break	up of requiremen	it of funds	as under:-			
S.N.	Particulars includ Moisture conserva	ing soil & tion.	Qty in hectares	ty in Rate in Amount			
1.	Barbed wire fencir	orestation (1100) ng.				1000000	
(Fencing		7.93 29200		231556		
	Planting		7.93	340	000	269620	
•		Total				501176	
2.	Maintenance		distributions				
	1st Year		7.93	685		54320	
:	2nd Year		7.93	460	11000	36478	
	3rd Year to 10th year		7.93	240	0	152256	
2	D 3.0	Total				243054	
3.	Soil Conservation		7.93	500	00	396500	
A	Grand Total 1to 3					1140730	
3	Contingencies cha					57036	
0	Departmental char					199628	
)	142800x18%=2570		(Total fe	nce post=	476x@300=	25704	
3	Nursery cost @872	23x23 plants				200629	
7	Cost of trees for 1100x7.93=8723x	170%=6106x23=1	40438/-		ed plants@	140438	
otal a	mount for 7.93 he	ct. CA Scheme (A	+B+C+D+E	+F)		1764165	
			ical Deta				
echni	cal detail of comp						
1)	General detail			The		ll be closed to ation cover in	

				the locality moisture and	to enhance the water table.		
lo)	Spacement			3mx3m	3mx3m		
c)	Species			Broad leave.			
d)	Plantation r	Plantation method					
e)	Soil & mois	Soil & moisture conservation works			e carried out for		
1)	Protection				& people		
g)	Proposed M	onitoring Mechanisr	n	As per guidel	ines.		
la)	Any other in	nformation		-Nil+			
Note: (i)	vide letter		arged Rs.300/- per 5(FCA) dated 24th				
Area ir	i ha,	Fence Post per hect.	Total fence post is to be used at the time of planting.		Total amount		
7.93		60	476	300/-	142800/-		
Note: (ii)	GST on Cost of fence post @ 18%.	142800x18%=2570	14	25704/-		

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

Appeared

Chief Conserve of Forests (T) Forest Circle and (H.P.)

CHECK	LIST	SERIAL	NO.17.
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SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 3.40 HECTARE TO
BE CARRIED OUT IN LIEU OF 1.70 HECTARE OF AREA TO BE DIVERTED FOR
THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

Detai	CONSTRUCTION il of degraded fores	t/Non Forest la	nd Non Fo	rest land.			
Distr.			Mandi.	E			
Tehsi			Sadar	Sadar			
	of Division		Mandi				
Area	to be afforestated		3.40		T		
S.No.	Name of Forest Range	Block	Name o	of Muhal	Area in	Survey sheet	
1.	Drang	Drang	Brogla		3.40	H43E13	
2.	Description of A		1			TITOLITO	
(i)	Whether the site selected for CA in land bank or not				No.		
ii)	TEAL OA II I II					-	
iii)	In case of non fore forest boundary	-					
iv)	Soil type					Sandy loam.	
v)	Topography a) H	Hilly,					
vi)					-	Medium.	
vii)	b) Slope, Steep/Medium/Gentle Whether the area is bearing any root stock of vegetation					Bushes.	
3.	Plantation Model:- Copy of approved compens			sgetation	station	With the Control of t	
4.	Schedule of Planta	ation programme	ca compensa	tory anores	station	Attached.	
	of year wise break			and the second second	100		
S.N.	Particulars includ Moisture conserva	ing soil & ition.	Qty in hectares	ty in Rate in Amount			
1.	Compensatory afforestation (1100 plants/hac.) with RCC Fence Po- Barbed wire fencing.						
	Fencing		3.40		200	99280	
	Planting		3.40	34	000	115600	
		Total				214880	
2.	Maintenance						
	1st Year		3.40	68	50	23290	
	2 nd Year		3.40	460	00	15640	
	3rd Year to 10th year	ar maintenance	3.40	240	00	65280	
		Total				104210	
3.	Soil Conservation		3.40	500	000	170000	
A	Grand Total 1to 3					489090	
3	Contingencies cha	rges @ 5%				24454	
2	Departmental chai	rges @ 17.5%				85591	
)	GST on cost 61200x18%=11010	of fence pos 5/-	st (Total f	ence pos	t=204@300=		
	Nursery cost @374	40x23 plants				86020 -	
	Cost of trees for	70% of ori =60214/-	ginal plant	ted plants@	60214		
ē .	1100x3.40=3740z			+F1		756385	
ē .			(A+B+C+D+E				
	amount for 3.40 he	ct. CA Scheme					
otal :	amount for 3.40 he	ect. CA Scheme Tecl	nnical Deta	ail			
		ect. CA Scheme Tecl	nnical Deta	under	e area sha		

			П			ty to enhance the and water table.
b)	Spacement	.1		3	mx3m	
c)	Species			E	Broad leav	re.
d) -	Plantation i	Plantation method			it digging	
e)	Soil & mois	Soil & moisture conservation works			Vork shal he same.	ll be carried out for
f)	Protection	rotection			encing articipati	& people on.
g)	Proposed M	onitoring Mechanisr	n	Λ	s per gui	delines.
h)	Any other in	nformation] -	Nil-	
Note: (i)	vide letter		5(FCA) dated 24th			ixed byt Pr.CCF,H.P. hus the amount is
Area ii	n ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.	100 YOUR THE RESERVE	of fen	ce Total amount .
3.40		60	204	300/		61200/-
Note:	(ii)	GST on Cost of fence post @ 18%.	61200x18%=11016	5		11016/-

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

Appeaved

Chief Conserved or Forests (T)
Forest Circle, Italia (H.P.)

		CHECK LIS				OVEADO	H
S	CHEME FOR C	OMPENSATOR	RY AFFOR	ESTATI	ON 7 TO 1	UYEARS	10
BE CA	IL SCHEME FOR ARRIED OUT IN	LIEU OF 2.79	HECTARE	OF ARE	A TO BE D	IVERTED FO)R
THE C	CONSTRUCTION	OF THANA PLO	UN HEP (I	est land.	NEAVOOR	OF HFFCL	13
	of degraded forest	t/Non Forest land	Mandi.	est lanu.			11
Distric			Sadar				#
Tehsil							10
Despirement to November 1	of Division		Mandi 5.58			<u> </u>	11
	o be afforestated	nt t	Name o	r Muchal	Area in	Survey sheet	11
S.No.	Name of Forest Range	Block		ımınaı	ha.	No.	
1	Drang	Drang	Basa		5.58	H43E13	-
2.	Description of A	rea				1164	+
(i)		selected for CA in 1				No.	4
ii)	If the CA site is of	her than land ban	k, reason be	e given		-	-11
iii)	In case of non fore forest boundary	est area identified	for CA than	what is th	e adjoining		
iv)	Soil type					Sandy loam.	
v)		illy/Universal/Pla	in			Hilly.	
vi)	bl S	lope, Steep/Mediu	m/Gentle			Medium.	14
vii)	Whether the area	is bearing any roo	t stock of ve	getation		Bushes.	11
3.	Plantation Model:	- Copy of approved	l compensat	ory affore	station	Attached.	1
4.	Schedule of Plant						1
Dotail	of year wise breal	c un of requireme	nt of funds	as under	4		1
S.N.	Particulars includ Moisture conserva	ing soil &	Qty in hectares	Rate in Rs. (per	Amount	Remarks.	
1.	Barbed wire fenci Fencing	forestation (1100 ng.	5.58	29	Pence Po 9200 1000	162936 189720	nd
	Planting	m 1	5.58	35	1000	352656	+
~		Total				332030	
2.	Maintenance		5.58	160	350	38223	12
	1st Year		5.58		500	25668	-
	2nd Year		-		100	107136	
	3rd Year to 10th ye	Total	5.58		100	171027	
2	Cail Camanati		5.58	50	0000	279000	Ť
3.	Soil Conservation Grand Total 1to		1 9,30	30	,,,,,,	802683	Т
A						40134	Ť
В	Contingencies ch					140469	
C	Departmental cha		t (Total	fence po	st=335@300		g
D	100500x18%=180)90/-	Liotai	rence po	31-333@300		
E	Nursery cost @6	138x23 plants		2 12 12 72		141174	
F		r maintenance @ 8x70%=4297x23=		iginal plai	nted plants		
Total	amount for 3.40 h			E+F)	Til Landson	1241381	
		Tech	nical Det	ail			Ñ
Techn	ical detail of com	pensatory affores	tation is as	under			11
a)	General detail	7.00		1		all be closed etation cover	to

				the locality moisture and	
b)	Spacement			3mx3m	Tvers
c)	Species			Broad leave.	
d)	Plantation n	nethod		Pit digging.	La L
e)	Soil & moist	ure conservation wo	orks	Work shall b	e carried out for
f)	Protection			Fencing participation.	& people
g)	Proposed M	onitoring Mechanism	n	As per guideli	nes.
h)	Any other in	formation		-Nil-	100
Note: (i)	vide letter	ce post has been ch No., Ft.48-66/2016 accordingly as under	arged Rs.300/- per fo 5(FCA) dated 24 th J	ence post as fixed June 2017. Thus	byt Pr.CCF,H.P., the amount is
Area in		Fence Post per hect.	Total fence post	Cost of fence post	Total amount
5.58		60	335	300/-	100500/-
Note:	(ii)	GST on Cost of fence post @ 18%.	100500x18%=18090	0	18090/-

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

Approved

Chief Constructor of Forests (T) Forest Circle, 1) and (H.P.)



CHECK	TICT	CEPIAL	NO 17
CHECK	1115	SURIAL	MO.II.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 25.56 HECTARE TO
BE CARRIED OUT IN LIEU OF 12.78 HECTARE OF AREA TO BE DIVERTED FOR
THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF HPPCL

Distri Tehsil	of degraded fores					
Tehsil			Mandi.			
7.7			Sadar			
Name	of Division		Mandi			
	o be afforestated		25.56			
S.No.			Name o	f Muhal	Area in	Survey sheet
	Range		1		ha.	No.
1.	Panarsa	Shiva Badar	Banaul.		25.56	H43F2
2.	Description of A	rea				
(i)	Whether the site s	selected for CA in l	and bank or	not		No.
ii)	If the CA site is of	her than land ban	k, reason be	e given		
iii)	In case of non fore forest boundary	est area identified	for CA than	what is the	e adjoining	题
iv)	Soil type		200			Sandy loam.
v)		illy/Universal/Plai	n			Hilly.
vi)		lope, Steep/Mediu				Medium.
vii)		is bearing any roo		getation		Bushes.
3.	Plantation Model:- Copy of approved compensatory afforestation					Attached.
4.	Schedule of Planta					
	of year wise breal		nt of funds	as under:		
S.N.	Particulars includ Moisture conserva	ing soil &	Qty in hectares	Rate in Rs. (per hect.)	Amount	Remarks.
1.	Compensatory af Barbed wire fencing Fencing Planting		25.56 25.56	29	200 200	746352 869040
		Total				1615392
2.	Maintenance					
	1st Year		25.56	68		175086
	2 nd Year		25.56	46	100000	117576
	3rd Year to 10th ye		25.56	24	00	490752
	· · · · · · · · · · · · · · · · · · ·	Total				783414
3,	Soil Conservation		25.56	50	000	1278000
A	Grand Total 1to					3676806
B	Contingencies cha					183840
С	Departmental cha		Date:			643441
D	460200x18%=828		(Total fer	ice post=	1534x@300=	
E	Nursery cost @28					646668
F	1100x25.56=281	maintenance (a 16x70%=19681x	23=452663	<i>]</i> -	ted plants@	452663
	2 4 1	ect. CA Scheme (A+B+C+D+F	C+F)		5686254
Total	amount for 7.93 n	cct. CA Scheme				
Total	amount for 7.93 n		nical Det			and the second of the second o
	nical detail of com	Tech	nical Det	ail		

			*	the locality moisture and	to enhance the water table.
b)	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation i	nethod		Pit digging.	
e)	Soil & mois	ture conservation wo	orks	Work shall be the same.	e carried out for
f)	Protection		9	Fencing participation.	& people
g)	Proposed M	Proposed Monitoring Mechanism			ines.
h)	Any other in			-Nil-	
Note: (i)	vide letter	ce post has been ch No., Ft.48-66/2016 accordingly as under	arged Rs.300/- per 5(FCA) dated 24 th .	fence post as fixed June 2017. Thus	d byt Pr.CCF,H.P. s the amount is
Area ii	n ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount
25.56		60	1534	300/-	460200/-
Note:	(ii)	GST on Cost of fence post @ 18%.	460200x18%=8283	6	82836/-

Approved

di (H.P.)

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

CHECK	LIST	SERIAL	NO.17.

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 fores	t/Non Forest land		est land.		
Distri	ct		Mandi.			
Tehsil			Sadar			
	of Division		Mandi			
Area t	o be afforestated		78.64			The continue of the state of th
S.No.	Name of Forest Range	Block	Name o	f Muhal	Area in ha.	Survey sheet No.
1.	Kataula	Kataula & Bagi	Badaun	8 20	78.64	H43F1
2.	Description of A	Description of Area				
(i)	Whether the site	selected for CA in la	ınd bank or	not		No.
ii)	If the CA site is of	her than land bank	k, reason be	given		(#
iii)	In case of non for forest boundary	est area identified f	or CA than	what is the	adjoining	-
iv)	Soil type					Sandy loam.
v)		lilly/Universal/Plair	n			Hilly.
vi)	b) S	lope, Steep/Mediur	n/Gentle			Medium.
vii)	Whether the area	is bearing any root	stock of ve	getation		Bushes.
3.	Plantation Model:- Copy of approved compensatory afforestation					Attacfhed.
4.	Schedule of Plantation programme					
Detail	of year wise brea	k up of requiremen	nt of funds	as under:		
S.N.	Particulars include Moisture conserv	ars including soil & Qty in Rate in Amount			Remarks.	
1,	Compensatory af Barbed wire fenci	forestation (1100 pl ng.	ants/hac.)			
	Fencing		78.64		200	2296288
	Planting		78.64	34	000	2673760
		Total				4970048
2.	Maintenance					THE WEIGHT.
	1st Year		78.64		50	538684
	2 nd Year		78.64		00	361744
	3rd Year to 10th ye		78.64	78.64 2400		1509888
		Total				2410316
3.	Soil Conservation		78.64	50	000	3932000
	Grand Total 1to	3				11312364
A	Contingencies charges @ 5%					565618
A B						The state of the s
	Departmental ch	arges @ 17.5%				1979664
B C	GST on cost 1415400x18%=2	arges @ 17.5% of fence post 54772/-	(Total fer	nce post=	4718x@300	= 254772
B C D	Departmental characteristics of CST on cost 1415400x18%=2 Nursery cost @8	arges @ 17.5% of fence post 54772/- 6504x23 plants		••••••		= 254772 1989592
В	Departmental characteristics on cost 1415400x18%=2 Nursery cost @8 Cost of trees fo	arges @ 17.5% of fence post 54772/-	70% of or	iginal plan		254772 1989592 1 1392719
B C D	Departmental characteristics Departmental cha	arges @ 17.5% of fence post 54772/- 6504x23 plants r maintenance @ 504x70%=60553x2	70% of or 23=13927	iginal plan		= 254772 1989592
B C D	Departmental characteristics Departmental cha	arges @ 17.5% of fence post 54772/- 6504x23 plants r maintenance @ 504x70%=60553x5 hect. CA Scheme	70% of or 23=139271 (A+B+C+D	iginal plan 19/- +E+F)		254772 1989592 1 1392719
B C D E F	Departmental characteristics Departmental Cha	arges @ 17.5% of fence post 54772/- 6504x23 plants r maintenance @ 504x70%=60553x5 hect. CA Scheme	70% of or 23=139271 (A+B+C+D nical Det	iginal plan 19/- +E+F) ail		254772 1989592 1 1392719

				the locality moisture and	to enhance the water table.
b)	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation n	nethod		Pit digging.	
e)	Soil & moisture conservation works			Work shall be the same.	e carried out for
Ŋ	Protection	rotection			& people
g)	Proposed M	osed Monitoring Mechanism			nes.
h)	Any other in	formation		-Nil-	
Note: (i)	vide letter	e post has been cha No., Ft.48-66/2016 ccordingly as under	arged Rs.300/'- per f 5(FCA) dated 24 th c	ence post as fixed June 2017. Thus	the amount is
Area ii		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%=254	1772	254772

Approved

Chief Converve) in of Forests (T) Forest Civil Handi (H.P.) (S.S.Kashyap)HPFS, Divisional Forest Officer, Mandi Forest Division,Mandi.

CHECK LIST SERIAL NO.17.

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS
DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 106.63 HECTARE
TO BE CARRIED OUT IN LIEU OF 53.315 HECTARE OF AREA TO BE DIVERTED
FOR THE CONSTRUCTION OF THANA PLOUN HEP (191 MW) IN FAVOUR OF
HPPCL

HPPC	L					
Detail	of degraded forest/N	on Forest land	Non For	est land.		
Distri	et		Mandi.			
Tehsil			Sadar			
Name	of Division	×	Mandi			
Area t	o be afforestated		106.63			
S.No.	Name of Forest Range	Block	Name o	Name of Muhal Area in S		
i.	Kataula	Kataula	Bodan I)har.	106.63	H43F1
2.	Description of Area	7 101 101 11101				Line Manager Hot
i)	Whether the site selected for CA in land bank or not					
i)						-
ii)						
v)	Soil type					Sandy loam.
7)		/Universal/Plair	1			Hilly.
/i)	b) Slope	e, Steep/Mediun				Medium.
/ii)	Whether the area is b			getation		Bushes.
3.	Plantation Model:- Co	py of approved	compensat	ory affore	station	Attacfhed.
1.	Schedule of Plantation		The same of the sa	ALL AND ASSESSMENT OF THE PARTY		
	of year wise break up		t of funds	as under		
S.N.	Particulars including		Qty in	Oty in Rate in Amount		Remarks.
	Moisture conservation	A Secretary of the Country of the Co	hectares Rs. (per hect.)			
1.	Compensatory affores Barbed wire fencing.	station (1100 pla	ants/hac.)	with RCC	Fence Post a	nd 4-strand
	Fencing		106.63	29	9200	3113596
	Planting		106.63	34	400D	3625420
		Total				6739016
2.	Maintenance					
	1st Year		106.63	68	350	730416
	2nd Year		106.63	46	500	490498
	3rd Year to 10th year n	naintenance	106.63	24	100	2047296
		Total				3268210
3,	Soil Conservation wor	rks	106.63	50	0000	5331500
A	Grand Total 1to 3				4 1	15338726
3	Contingencies charge	s @ 5%				766936
2	Departmental charge:	s @ 17.5%				2684277
D		fence post	(Total fer	rce post=	=6398x@300=	345492
T	Nursery cost @11729					2697739
,	Cost of trees for ma 1100x106.63=11729				nted plants@	1888415
rotal :	amount for 106.63 he	ct. CA Scheme	(A+B+C+I)+E+F)		23721585
		Techr	ical Det	ail		
			Control of the Contro	Decision (CS)		
Techn	ical detail of compen-	satory afforest	ation is as	under		

					etation cover in to enhance the water table.
b)	Spacement			3mx3m	
c)	Species			Broad leave.	
d)	Plantation r	nethod		Pit digging.	
e)	Soil & moisture conservation works			Work shall b	e carried out for
f)	Protection	Protection			& people
g)	Proposed M	onitoring Mechanisr	n	As per guidel	ines.
h)	Any other in	nformation		-Nil-	
Note: (i)	vide letter		arged Rs.300/'- per 5(FCA) dated 24 th . ;		
Area ir	ı ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.	Cost of fence post	Total amount
106.63	3	60	6398	300/-	1919400
Note:	(ii)	GST on Cost of fence post @ 18%.	1919400-x18%=34	5492	345492

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

Approved

Chief Crysler Intor of Forests (T) Forest C Mandi (H.P.)



CHECK	LIST	SERIAL.	NO	17
	1/1/31	13171111711	TIVO.	1 .

SCHEME FOR COMPENSATORY AFFORESTATION 7 TO 10 YEARS DETAIL SCHEME FOR COMPENSATORY AFFORESTATION IN 21.84 HECTARE TO BE CARRIED OUT IN LIEU OF 10.92 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 For	rest land	• 1		
Distri			Mandi.			
Tehsil	l		Sadar			
Name	of Division		Mandi			
Area t	to be afforestated		21.84			
S.No.		Block	Name o	Name of Muhal Area in		
1	Kataula	Kataula	Arnehad	I.	21.84	No. H43F1
2.	Description of A		Militaria	1+	21.01	111011
(i)		selected for CA in la	nd bank or	ton		No.
i)	The state of the s	her than land bank	the way the contract of the co	Life and special beautiful and		-
ii)	In case of non for	est area identified f			he adjoining	ш
100	forest boundary					Sandy loam.
iv)	Soil type	ille / Universal / Dlois				Hilly.
v)		illy/Universal/Plair lope, Steep/Mediur				Medium.
vi)				contestions		Bushes.
vii)	Whether the area	is bearing any root	SLOCK OF VE	getation	and a time	Attacfied.
3.		- Copy of approved	compensat	ory anor	estation	muacmed.
4.	Schedule of Plant		L _ C P 1			4
	of year wise break				r:-	4 D
S.N.	Particulars includ Moisture conserva		Qty in hectares	Rate in Rs. (per hect.)		t Remarks.
1.	Compensatory af	forestation (1100	plants/hac		RCC Fence I	ost and 4-stran
.,	Barbed wire fenci	ng.	present the same	A STEAMS IN	1.2.30 1.011.20	700 700 (DEC 1) 191410 (SEL)
	Fencing	1452.	21.84	12	637728	
	Planting		21.84	and the same of the same	34000	742560
	1	Total				1380288
2.	Maintenance					
	1st Year		21.84	6850		149604
	2nd Year		21.84		1600	100464
Y	3rd Year to 10th ye	ar maintenance	21.84		2400	419328
	15 real to 10 ye	Total	21.01		. 100	669396
3.	Soil Conservation		21.84		50000	1092000
Δ.	Grand Total 1to		21,01		70000	3141684
B	Contingencies cha					157084
C	Departmental cha					549795
D	GST on cost 393000x18%=707)= 70740				
E					* (C)	552552
15	Nursery cost @24024x23 plants Cost of trees for maintenance @ 70% of original planted plants@					
f si		24x70%=16817x2			pianes	000.51
Potel	amount for 47.08				*	4858646
	CONTRACTOR TOUR		ical Det			1000010
		rechi	A THE REST OF STREET AND A PROPERTY OF	CHETHEREN		
m _ 1	A STATE OF THE PARTY OF THE PAR	en en	A Committee of the Comm			
Techr a)	ical detail of com General detail	pensatory afforest	ation is as	the latest particular to the latest particular	The area si	nall be closed t

				etation cover in to enhance the water table.				
b)	Spacement			3mx3m				
c)	Species			Broad leave.				
d)	Plantation i	method		Pit digging.				
e)	Soil & mois	ture conservation we	orks	Work shall b	Work shall be carried out for the same.			
Ŋ	Protection		Fencing participation.	& people				
g)	Proposed M	lonitoring Mechanisr	n	As per guidel	As per guidelines.			
h)	Any other in	nformation		-Nil-	-Nil-			
Note:	Rate of fence post has been charged Rs.300/- per fence post as fixed byt Pr.Co vide letter No., Ft.48-66/2016(FCA) dated 24th June 2017. Thus the amorticalculated accordingly as under.							
Area in ha.		Fence Post per hect.	Total fence post is to be used at the time of planting.		Total amount			
21.84	21.84 60		1310	300/-	393000/-			
fence		GST on Cost of fence post @ 18%.	393000x18%=7074	0	70740/-			

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

Approved

thief Conserv) or of Forests (T)

	SCHEME FOR C	OMPENSATO	DRY AFFOR	ESTATI	ON 7 TO 1	O YEARS	
DE'T' A	IL SCHEME FOR	COMPENSA	TORY AFFOI	RESTATI	ON IN 4.53	HECTARE	TO
JE C	ARRIED OUT IN	TIELL OF 2 26	5 HECTARE	OF ARE	A TO BE D	IVERTED F	O
BE CA	CONSTRUCTION	OF THAMA DI	OUN UPD /1	OI MUU I	N FAVOUR	OF HPPCL	1
THE	CONSTRUCTION	OF THANA FI	Non For	est land.	III I III OOIL	0	
	of degraded fores	t/Non Forest la		est land.			t
Distri			Mandi.				15
rehsil			Sadar				USI
	of Division		Mandi				. 5
	o be afforestated	Tames of the	4.53 Name o	C Date had	Area in	Survey she	at
S.No.	Name of Forest	Block	Name o	i wunai	ha.	No.	
	Range	D	Aran		4.53	H43E13	+
1.	Drang	Drang	Man		1 1.00	1110210	1
2.	Description of A	rea	- land bonk o	· not		No.	
i)	Whether the site					-	-
i)	If the CA site is of	ner than land b	ank, reason be	what is the	o odicining	-	-
iii)	In case of non for	est area identilio	ed for CA than	what is th	ie adjoining	-	-
	forest boundary					Sandy loam	
(v)	Soil type	Hilly.					
/)	Topography a) H	illy/Universal/F lope, Steep/Med	lain			Medium.	+
√i)	b) S	Bushes.	-1				
vii)	Whether the area	is bearing any r	oot stock of ve	getation		The state of the s	
3.	Plantation Model:	Attached.	115.				
4.	Schedule of Plant	ation programm	ie				
Detail	of year wise brea	k up of require	ment of funds	as under	:- <u> </u>	T D	÷
S.N.	Particulars includ	A TOTAL CONTRACT	Qty in Rate in Amount		Remarks.		
	Moisture conserv	hectares	Rs. (per			Y	
			1	hect.)	GO P P-	et and 4 at	-
1.	Compensatory a	forestation (110	00 plants/hac	.) with R	CC rence Po	ist and it-si	I di
	Barbed wire fenci	ng.		Tay	2000	120076	
	Fencing		4.53		9200	132276 154020	
	Planting		4.53	3-	1000	286296	
	785 - 218 - 235	Tota	ıl.			280290	
2.	Maintenance					101000	111
	1st Year		4.53		850	31030 20838	77
	2 nd Year		4.53				- 11
	3rd Year to 10th year maintenance 4.53 2400						
		Tota				138844	-
3.	Soil Conservation		4.53	5	0000	226500	
A	Grand Total 1to					651640	Sftt
В	Contingencies ch					32582	101
С	Departmental ch	114037	_				
D	GST on cost	of fence po	ost (Total f	ence pos	t=272x@300	= 14688	41
	81600x18%=146					11.000	_
E	Nursery cost @4	983x23 plants				114609	
F	Cost of trees fo 1100x4.53=498			iginal pla	nted plants	9 80224	4
Total	amount for 2.67			E+F)		1007780	-
20001	MILLION AND AND I		chnical Det				145
m - 1	nical detail of con						1
	DICOL GOTOLI OF COLU	THE TIME COUNTY BUILDS	CELALIUII IS US	L LILLICI			-

			the locality	tation cover in to enhance the water table.		
b)	Spacement			3mx3m	18	
c)	Species			Broad leave.	推注	
d)	Plantation n	nethod		Pit digging.	18	
e)	Soil & moist	ture conservation wo	orks	Work shall b the same.	e carried out for	
ŋ	Protection		Fencing participation.	& people		
g)	Proposed M	onitoring Mechanisn	As per guideli	As per guidelines.		
h)	Any other in	nformation		-Nil-	1 19- 1	
Note: (i)	Rate of fence vide letter calculated a	the amount is				
Area ii	n ha.	Fence Post per hect.	Total fence post is to be used at the time of planting.		Total amount	
4.53	.53 60		272	300/-	81600/-	
Note: (ii) GST on Cost of fence post @ 18%.			81600x18%=14688	3	14688/-	

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

Apperoved

Chief Constant) of Forests (T) Forest Civilo (and (H.P.)

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 juridiction 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

Block/Compartment/Survey No. Khasra No. 228 & 266 of Muhal Hafwana,

Area to be afforested: 18 ha.

2. Description of Area

. 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

ii. 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 :-

Sandy loam, Shallow

v. Topography a. Hilly/Undulating/Plain:

Hilly

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

Steep

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

Yes

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. Sche	eme		2600280

Departmental charges @ 17.5% Contegency charges @ 5%

455049 130014

Total

3185343

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer Suket Forest Division Sundernagar (H.P.) - 175018

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 juridiction 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

Block/Compartment/Survey No. Khasra No. 228 & 266 of Muhal Hafwana.

Area to be afforested: 18 ha.

2. Description of Area

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

Yes

Jank yes or not

i. If the CA site is other than land bank, reasons be :-

No

ii. 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 :-

Sandy loam, Shallow

v. Topography a. Hilly/Undulating/Plain:

Hilly

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

Steep

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

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	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. Sche	me		2600280	

Departmental charges @ 17.5% Contegency charges @ 5%

455049 130014

Total

3185343

2. Technical details

Technical details of Compensatory Afforestation Scheme are as follows:

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

Divisional Forest Officer Suket Forest Division

Sundernagar (H.P.) - 175018

FULL TITLE OF THE PROJECT: THANA PLAUN (191MW)

HYDROELECTRIC PROJECT

PROPOSAL NO.: FP/HP/HYD/8255/2014

DATE OF PROPOSAL: NOVEMBER 29TH,2014

- CHECK LIST SERIAL NUMBER: -18

(CERTIFICATE FROM THE DFO, THAT NON-FOREST LAND/FOREST LAND
SELECTED FOR COMPENSATORY AFFORESTATION IS IN A COMPACT
BLOCK AND CONTIGUOUS TO FOREST AREA OR IS IN CLOSE
PROXIMITY OF FOREST AREA AND SUITABLE RAISING PLANTATION
AND FROM THE MANAGEMENT AND PROTECTION POINT OF VIEW, AND
IS FREE FROM ALL SORTS OF ENCUMBRANCES AND ENCROACHMENTS)

ā

Full Title of the Project:

Diversion of 406.79 hect. of forest land in favor of Thana Plaun HEP(191MW), being constructed by M/s HPPCL within the jurisdiction of Joginder Nagar & Mandi Forest Divisions, Distt. Mandi, HP

"LAND SUITABILITY CERTIFICATE BY THE DFO CONCERNED"

This is to certify that 117.8 hectares of Non-Forest land bearing Survey No. H43F3, Khasra Nos. 25, 548, 552, 554, 546 in Muhal Jamnu, Forest Block Tatapani, Forest Range Pangna, Tehsil Karsog, Distt. Mandi, HP identify for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments.

Place: Karsog

Date: 06-03-2019

Divisional Forest Officer, Karsog Forest Division, HP.

ujs

Full Title of the Project:

Diversion of 406.79 hect. of forest land in favor of Thana Plaun HEP(191MW), being constructed by M/s HPPCL within the jurisdiction of Joginder Nagar & Mandi Forest Divisions, Distt. Mandi, HP

"LAND SUITABILITY CERTIFICATE BY THE DFO CONCERNED"

This is to certify that 78.47 hectares of Non-Forest land bearing Survey No. H43F3, Khasra Nos. 2, 88, 612, 964, 2205/611, 2229/2209/610 in Muhal Sawindhar, Forest Block Tattapani, Forest Range Pangna, Tehsil Karsog, Distt. Mandi, HP identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments.

Place: Karsog

Date:

Divisional Forest Officer, Karsog Forest Division, HP.

417

Full Title of the Project:

Diversion of 406.79 hect. of forest land in favor of Thana Plaun HEP(191MW), being constructed by M/s HPPCL within the jurisdiction of Joginder Nagar & Mandi Forest Divisions, Distt. Mandi, HP

"LAND SUITABILITY CERTIFICATE BY THE DFO CONCERNED"

This is to certify that 11.73 hectares of Non-Forest land bearing Survey No. H43F3, Khasra No. 373 in Muhal Kot, Forest Block Tattapani, Forest Range Pangna, Tehsil Karsog, Distt. Mandi, HP identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments.

Place: Karsog

Date:

Divisional Forest Officer, Karsog Forest Division, HP.



Full title of the Project: Diversion of 406.79 hect of forest land in favour of HP Power Cor.Lts. for the Construction of Thana Plaun HEP (191 MW) within the jurisdiction of Joginder Nagar Forest Division, Distt. Mandi, HP.

CHECK LIST SERIAL NUMBER:18

"LAND SUITABILITY CERTIFICATE BY THE DFO CONCERNED"

This is to certify that 7.03 ha land bearing Survey No /H43F1 Khasra No. 738/718 in Muhal Ropapadhar, Forest Beat Harabagh, Forest Block Joginder Nagar, Forest Range Joginde Nagar, Tehsil Joginder Nagar, District Mandi HP identified for Compensatory Afforestation is suitable for undertaking plantation from the management point of view and is free from all sorts of encumbrances and encroachments

Place: J/Nagar

Divisional Forests Officer, Forest Division J/Nagar islon Loginder Nagar (H.P.) Office Seal

FULL TITLE OF PROJECT:- Diversion of 406.79 hectare of forest land for construction of Thana Plaun HEP (191 MW) under the jurisdiction of Mandi forest Division Distt. Mandi H.P.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 20.47 ha Land bearing Survey No.H43F1, Muhal Suran, Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-14.10.2019 Place:- Mandi

one Forest Omobe Peresy Division Mands (H.F.

Divisional Forest Officer, Mandi Forest Division, Mandi H.P. Official Seal

FULL TITLE OF PROJECT:- Diversion of 406.79 hectare of forest land for construction of Thana Plaun HEP (191 MW) under the jurisdiction of Mandi forest Division Distt. Mandi H.P.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 29.29 ha Land bearing Survey No.H43F1, Muhal Bambola, Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-14.10.2019 Place:- Mandi

DIVISION DIVISION Mandi (H. F

Divisional Forest Officer, Mandi Forest Division, Mandi H.P. Official Seal FULL TITLE OF PROJECT:- Diversion of 406.79 hectare of forest land for construction of Thana Plaun HEP (191 MW) under the jurisdiction of Mandi forest Division Distt. Mandi H.P.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 10.2 ha Land bearing Survey No.H43F1, Muhal Solang, Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-14.10.2019 Place:- Mandi

Forest Officer

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P.

Official Seal

422

ill Title of the Project: Diversion of 406.79 ha. Of forest land for Thana Plaun HEP	,
91) MW being constructed by M/s Himachal Pradesh Power Corporation Ltd.	
le No. •	

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 8 hac land bearing Survey No. / Compartment No./Kh. No 292 of Muhal Batwara, Tehsil Sundernagar, District Mandi, H.P. falling under Batwara beat, Batwara block, Kangoo range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sudwagen Date 12/5/19

Date of Proposal:

(Divisional Forest Officer)

Suket Forest Division

Sundernagarvision Office Seal Pt. 175018

423

Full Title of the Project: <u>Diversion of 406.79 ha. Of forest land for Thana Plaun HEP</u>, (191) MW being constructed by M/s Himachal Pradesh Power Corporation Ltd.

File No.:	
Date of Proposal:	

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 16 hac land bearing Survey No. / Compartment No./Kh. No 1040/992 (7 ha) and Kh. No 550 (9 ha) of Muhal Gamohu, Tehsil Sundernagar, District Mandi, H.P. falling under Dehar beat, Dehar block, Kangoo range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sudneym Date 12/5/19 (Divisional Forest Officer)
Suket Forest Division
Sundernagar

SOITER SEALED - 175018

Full Title of the Pro	ject: Diversion of 406.79 h	ha. Of forest land for Thana Plat
		Pradesh Power Corporation Ltd
File No. :		
Date of Proposal:		

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 5 hac land bearing Survey No. / Compartment No./Kh. No 318 of Muhal Koon Tehsil Sundernagar, District Mandi, H.P. falling under Jyor beat, Dehar block, Kangoo range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sudwagen Date 125515 (Divisional Forest Officer)

Suket Forest Division

Sundernagar.

Office Sea H.P.) - 175018

425

Full Title of the Project: <u>Diversion of 406.79 ha. Of forest land for Thana Plaun HEP</u>, (191) MW being constructed by M/s Himachal Pradesh Power Corporation Ltd.

File No.:		
Date of Proposal:		_

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 6 hac land bearing Survey No. / Compartment No./Kh. No 434 of Muhal Kunaila Tehsil Sundernagar, District Mandi, H.P. falling under Jyor beat, Dehar block, Kangoo range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sundanagera Date 12/5/15

(Divisional Forest Officer)

Suket Forest Division Sundernagar.

undemagar (H.P.) - 175018

426

Full Title of the Project: <u>Diversion of 406.79 ha. Of forest land for Thana Plaun HEP</u>, (191) MW being constructed by M/s Himachal Pradesh Power Corporation Ltd.

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 6 hac land bearing Survey No. / Compartment No./Kh. No 882 of Muhal Khanokhar Tehsil Sundernagar, District Mandi, H.P. falling under Jyor beat, Dehar block, Kangoo range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sundanagur Date 12/5/15 (Divisional Forest Officer)

Suket Forest Division

Sundernagar,

Soldice Seal I.P.) - 175018

Il Title of the Project: Diversion of 406.79 ha. Of forest land for Thana Plaun HE	P,
91) MW being constructed by M/s Himachal Pradesh Power Corporation Ltd.	
e No.:	
4 C D	

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 5 hac land bearing Survey No. / Compartment No./Kh. No 174,291 of Muhal Bhalana Tehsil Sundernagar, District Mandi, H.P. falling under Jai Devi beat, Jai Devi block, Jai Devi range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sundringer Date 12/5/18

(Divisional Forest Officer)

Suket Forest Division

Sundernagar. Suker Forest Division



Full Title of the Project: <u>Diversion of 406.79 ha. Of forest land for Thana Plaun HEP</u>, (191) MW being constructed by M/s Himachal Pradesh Power Corporation Ltd.

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 6 hac land bearing Survey No. / Compartment No./Kh. No 167 of Muhal Naval Tehsil Sundernagar, District Mandi, H.P. falling under Doldhar beat, Jai Devi block, Jai Devi range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sudmager
Date 121515

(Divisional Forest Officer)

Suket Forest Division Unisional Forest Officer Sundernagar.

Office Seal

Full Title of the Project: Diversion of 406.79 ha. Of forest	land for Thana Plaun HEP
(191) MW being constructed by M/s Himachal Pradesh Pou	
File No.:	
Date of Proposal:	

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 10 hac land bearing Survey No. / Compartment No./Kh. No 50, 94 of Muhal Fatehpur Tehsil Sundernagar, District Mandi, H.P. falling under Ghiri beat, Jai Devi block, Jai Devi range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sundangen Date 12/5/19 (Divisional Forest Officer)

Suken Forest Division .

Sundernagavision

SOffice Seal J.P.) - 175018



Full Title of the Project: Diversion of 406.79	
(191) MW being constructed by M/s Himacha	al Pradesh Power Corporation Ltd.
File No. :	
Date of Proposal:	

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 5 hac land bearing Survey No. / Compartment No./Kh. No 376of Muhal Saishdhar Tehsil Sundernagar, District Mandi, H.P. falling under Khabri beat, Rohanda block, Jai Devi range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sinderagen Date 12/05/19 (Divisional Forest Officer)
Suket Forest Division

Sundernagarvision

Office Sea H.P.) - 175018

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 47.08 ha Land bearing Survey No.H43F1, Muhal Tihri Block Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-06.03.2019 Place:- Mandi

R.O. Kataula

Official seal Range Kataula Forest Range

Distt. Mandi (H.P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi Harp.
Official Seal Divisional Forest Manor (ri. F Forest Division Manor (ri.P.)

FULL TITLE OF PROJECT:- Diversion of 406.79 hectare of forest land for construction of Thana Plaun HEP (191 MW) under the jurisdiction of Mandi

forest Division Distt. Mandi H.P.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 2.67 ha Land bearing Survey No.H43F2, Muhal Thatta, Shiva Badar, Range Panarsa, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-07.03.2019 Place:- Mandi

R.O. Kalanta Range Tres

Official seal Forest Range Panarus

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P.

Official Seal Divisional Forest Officer

Coresi Division Mande (H.P.)

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 37.63 ha Land bearing Survey No.H43F2, Muhal Suma, Block Shiva Badar, Range Panarsa, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-08.03.2019 Place:- Mandi

Porest Range Fanaria

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Olvisional Forest Officer

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 47.24 ha Land bearing Survey No.H43F1, Muhal Suhada, Block Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-05.03.2019 Place:- Mandi

R.O. Kataula

Official seal Range

Kataula Forest Range Distt. Mandi (H.P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Division Division Mande 114 by



CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 4.29 ha Land bearing Survey No.H43F1, Muhal Segli, Block Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-08.03.2019 Place:- Mandi

R.O. Kataula Official seafange l

Kataula Forest Range

Distt. Mandi (H.P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Divisional Forest Officer Forest Division Mande (H +

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 5.18 ha Land bearing Survey No.H43F1 & H43E13, Muhal Nandal, Block Kataula, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-05.03.2019 Place:- Mandi

R.O. Kataula Official seal Range Kataula Forest Range

Distt. Mandi (H.P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Divisional Forest Offices

Forest Division Mandi (H.F.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 22.09 ha Land bearing Survey No.H43F2, Muhal Nagdhar, Shiva Badar, Range Panarsa, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-07.03.2019 Place:- Mandi

Official seal

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P.
Official Seal Forest Division Mandi (H.P.



CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 13.27 ha Land bearing Survey No.H43F1, Muhal Masad, Shiva Badar, Range Panarsa, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-07.03.2019 Place:- Mandi

Official seal

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Divisional Forest Officer

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 14.48 ha Land bearing Survey No.H43F1, Muhal Kundak Block Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-05.03.2019 Place:- Mandi

R.O. Kataula Official searinge Most Officer

Kataula Forest Range Distt. Mandi (H.P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P.

Official Seal Divisional Forest Officer Forest Division Mandi (H.P.)

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 3.88 ha Land bearing Survey No.H43E13, Muhal Katindhi, Block Rehardhar, Range Mandi, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-08.03.2019

Place: Mandi

R.O. Mande

Official seal

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P.

Official Seal Ownsional Forest Officer Forest Division Mandi (H.F.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 3.56 ha Land bearing Survey No.H43E14, Muhal Jhal, Block Sadar, Range Mandi, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-08.03.2019

Place Mandi

R.O. Mandi

Official seal

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P.

Official Seal Divisional Forest Offices

Forest Division Mande (H.F.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 7.93 ha Land bearing Survey No.H43F1, Muhal Halgarh, Block Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-06.03.2019 Place:- Mandi

R.O. Kataula Official seakataula Forest Range

Distt. Mandi (H.P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Divisional Forest Officer Mande (H.P.



CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 3.40 ha Land bearing Survey No.H43E13, Muhal Brogla, Block Drang, Range Drang, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-08.03.2019 Place:- Mandi

Official seal Rango Forest Office.

Drang Freest Re

Drand (H. P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Divisional Forest Offices

Forest Division Manda (H.P.)

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 5.58 ha Land bearing Survey No.H43E13, Muhal Basa, Block Drang, Range Drang, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-08.03.2019 Place:- Mandi

R.O. I Drang

Official seal ange Forest Cifical Drang Forest Ra

Brang (H. P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P.

Official Seal ______ Porest Officer Forest Division Mandi (H.F.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 25.56 ha Land bearing Survey No.H43F1, Muhal Banaul, Shiva Badar, Range Panarsa, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-06.03.2019 Place:- Mandi

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P.

Official Seal Systemal Forest Officer

Forest Division Mandi (H.P.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 78.64 ha Land bearing Survey No.H43F1, Muhal Badaun, Block Kataula & Bagi, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-05.03.2019

Place: - Mandi

Range Forest Officer Kataula Forest Range Dist. Mandi (H.P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Divisional Forest Officer

Forest Division Mande (H .

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 106.63 ha Land bearing Survey No.H43F1, Muhal Bodan Dhar, village Bodan Dhar, Block Kataula, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-05.03.2019

Place: - Mandi

Range Forest Officer Kataula Forest Renge Distt. Mandi (H.P.)

Divisional Forest Officer.

Mandi Forest Division, Mandi H.P.

Official Seal Divisional Forest Officer Fores, Division Mandi (H. F.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 21.84 ha Land bearing Survey No.H43F1, Muhal Arnehad, Block Kataula, Range Kataula, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-06.03.2019 Place:- Mandi

R.O. Kataula

Official seal Range Da Utlice Kataula Forest Range

Distt. Mandi (H.P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.B.

Forest Division Mandi (H.F. Official Seal

FULL TITLE OF PROJECT:- Diversion of 406.79 hectare of forest land for construction of Thana Plaun HEP (191

MW) under the jurisdiction of Mandi

forest Division Distt. Mandi H.P.

CHECK SERIAL NO.18

LAND SUITABILITY CERTIFICATE BY THE DFO

(For the forest land to be diverted under FCA)

This is to certify that 4.53 ha Land bearing Survey No.H43E13, Muhal Aran, Block Drang, Range Drang, Tehsil Sadar District Mandi H.P. identified for compensatory afforestation is suitable for plantation from management point of view and is free from all sorts of encumbrances and encroachment.

Date:-08.03.2019 Place:- Mandi

R.O. Drang Official seaming Finest Office

Drang Freest Range Drang (H. P.)

Divisional Forest Officer,

Mandi Forest Division, Mandi H.P. Official Seal Divisional Forest Officer

Forest Division Mandi (H.P.

MIG

(101) British of the Project: Diversion of a	106.79 ha. Of forest land for Thana Plaun H
[191] MW being constructed by M/s Hi	machal Pradesh Power Corporation Ltd.
File No.:	
Date of Proposal:	

CHECK LIST SERIAL NUMBER: 18

LAND SUITABILITY CERTIFICATE BY THE DFO

This is to certify that 18 hac land bearing Survey No. / Compartment No./Kh. No 228 (9 hac), Kh. No. 266 (9 hac) of Muhal Hafwana, Tehsil Sundernagar, District Mandi, H.P. falling under Doldhar beat, Jai Devi block, Jai Devi range identified for Compensatory Afforestation is suitable for plantation from management point of view and are free from all sorts of encumbrances and encroachments.

Place Sundanager Date 17/4/19 (Divisional Forest Officer)
Suket Forest Division
Sundernagar
Office Seal 175018
