# Scheme of compensatory afforestation

Detail scheme of compensatory afforestation of be carried out in lieu of diversion of 5.18 hac area to be diverted for construction of Shanad to Shrikot road in Kullu District.

## 1. Detail of degraded of forest land

| village :                     |   | a/                       |
|-------------------------------|---|--------------------------|
| Tehsil                        | : | Banjar                   |
| Name of Division              | : | GHNP Division, Shamshi   |
| Name of Range                 | : | Wildlife Range, Tirthan. |
| Name of Block                 | : | Gushaini                 |
| Name of Forest                | : | Nohanda IIIrd UPF        |
| Compartment/Survey Sheet No   | : | 53E/6/SW (1:50000)       |
| Area proposed for CA 5.18 x 2 | : | 10.36 hac                |
|                               |   |                          |

#### 2. Description of area

- (i) Whether the site selected for compensatory Afforestation is a land bank or not :
- (ii) If the CA site is other than the land bank, Reason be given.
- (iii) In case of non forest area identified for CA then what is the distance of CA site from the adjoining forest boundary.
- (iv) Soil Type
- (v) Topography
  a. Hilly/undulating/plain/slopy
  b. Steep/Medium/Gentle
  (vi) Whether thearea is bearing any root stock
- (vi) Whether thearea is bearing any root stock of vegetation.

#### 3. Plantation model

Copy of the approved compensatory Afforestation scheme/model showing Component wise physical and financial Break up to be enclosed Not Compact patch of CA is not Available. N.A.

: Hilly : Moderate

: Yes

: Copy enclosed.

Total Sr.No. Particulars Area Rate/Hac. in Rs. in hac. 84350 84350 1 hac Afforestation including soil 1. and moisture conservation Maintenance 2. 13635.00 13635.00 Ist Year 9140.00 9140.00 2<sup>nd</sup> Year 4645.00 3<sup>rd</sup> Year 4645.00 4645.00 4645.00 4<sup>th</sup> Year 4645.00 4645.00 5<sup>th</sup> Year 4645.00 4645.00 6<sup>th</sup> Year 4645.00 4645.00 7<sup>th</sup> Year 4645.00 4645.00 8<sup>th</sup> Year 4645.00 4645.00 9th Year 4645.00 M0.4645.00 10<sup>th</sup> Year Total Rs. 144285.00 1494792.60 Area to be taken for CA 10.36 x 146285 3. Supervision/departmental charges @ 17.5% 261588.70 3. 74739.63 Add.contingencies @ 5% on toral cost 4. 1831120.93 Grand Total 1831000.00 Or Say

### Schedule of plantation program Detail of year wise breakup of requirement of funds is as under:-

#### **Technical details :**

Technical details of compensatory afforestation scheme are as follows:

(a) General detail :

(b) Spacement

© Species

(d) Plantation method (sizes)

(e) Soil and moisture conservation works

(f) Protection (fencing, watchmen, people)

(g) Proposed monitoring mechanism

(h) Any other information

Divisional Forest Officer, O GHNP Division, Shamshi. The area shall be closed to improve the Vegetation cover will remain the soil cover and moisture.

8'x8'

•

|   | Deo     | Chulli     | Anar (Dadu)     | Total               |  |
|---|---------|------------|-----------------|---------------------|--|
|   | 8900    | 2196       | 300             | 11396               |  |
| : | Pit dig | gging (45x | 45x45 & 30x30x  | 30 cm ) & planting. |  |
|   | Small   | scale engi | neering and wor | ks and              |  |

bioengineering works will be carried out in order to stabilized the eroded area.

B/Wire fencing and social fencing i.e. people participation.

As per system directed by government.

Nil

Conservator of Forest, National Park, Shamshi.

|  | ti land for the construction of         DDEL PLANTATION UNDER         RCC fence posts         OTEL PLANTATION UNDER         RCC fence posts         OTEL PLANTATION UNDER         RCC fence posts         OTEL PLANTATION UNDER         OTH OTHEC         OTEL PLANTATION UNDER         OTEL PLANTATION UNDER         OTHEC         OTEL PLANTATION UNDER         OTEL PLANTATION UNDER         OTEL PLANTATION UNDER         OTEL PLANTATION UNDER         OTEL SO NOS         DITION NOS         ITION NOS         ITIO | GRAND IOTAL:- |  | TOTAL PLANTING COST : | Nursery cost of Plants @ Rs. 22 per plant | Cost of sign Board, carriage & Fixing | Construction of inspection Paths | Planting of plants riased in P/bags | uhill/ downhill | Carriage of plants in p bags over distance 2KM | Filling of pits 45x45x45 cm |  | Bush Cutting in strips ( 3m x 3m) | PLANTING:- |  | TOTAL FENCING COST : | cost of Barbed wire | Interlacing of thorny bushes along the fence | Stretching & fixing of barbed wire in 4 stands | uphill/ downhill | Carriage of barbed wire over distance 2 Km | Fixing of RCC fence posts i/e strutting | Preparation/digging of holes 20 x 30 x 50 CM size | Over distance 2 KM | Carriage of RCC fence post up to 2 mtr. Long | Preparation/purchase of RCC fence posts | Survey & demarcation of plantation area | FENCING:- |  | Area taken for CA = 5.18 X 2=10.36 ha Species to be planted | 1100 plant per Ha with RCC fence posts | PER HECTARE COST NORM FOR MODEL PLANTATIO | Shanad to Shrikot Road in Distt.Kullu in favour of HPP | in lieu of diversion of 5.18 ha of forest land for the construction of |  |
|--|---|---------------|--|-----------------------|---|---------------------------------------|----------------------------------|-------------------------------------|-----------------|--|-----------------------------|--|-----------------------------------|------------|--|----------------------|---------------------|--|--|------------------|--|---|---|--------------------|--|---|---|-----------|--|---|--|---|--|--|--|
|--|---|---------------|--|-----------------------|---|---------------------------------------|----------------------------------|-------------------------------------|-----------------|--|-----------------------------|--|-----------------------------------|------------|--|----------------------|---------------------|--|--|------------------|--|---|---|--------------------|--|---|---|-----------|--|---|--|---|--|--|--|

| Contd P/3   |          |  |
|-------------|----------|--|
| 464500.00%  |          | SAY Rs. :-                                   |
| 4645.58     |          | TOTAL:-                                      |
| 242000.00%  | 110 Nos. | 6 Nursery cost of Plants                     |
| 151.2       | 60 Rmt.  | 5 Repair of fencing                          |
| 58520.00%   | 110 Nos  | 2 KM uphill/ down hill                       |
|             |          | 4 Carriage of Plants in P bags over distance |
| 335.72      | 110 Nos. | 3 Planting of Plants raised in P/ Bags       |
| 418.88      | 110 Nos. | 2  Filling of pits 45x45x45 cm               |
| 734.58      | 110 Nos  | 1 Re digging of pits 45x45x45 cm             |
|             |          | 3rd year maintenance (10% Beating up)        |
| 914000.00%  |          | SAY Rs. :-                                   |
| 9139.96     | ę.       | TOTAL:-                                      |
| 484000.00%  | 220 Nos. | 6 Nursery cost of Plants                     |
| 151.2       | 60 Rmt   | 5 Repair of fencing                          |
| 117040.00%  | 220 Nos  | 2 KM uphili/ down hill                       |
|             |          | 4 Carriage of Plants in P bags over distance |
| 671.44      | 220 Nos  | 3 Planting of Plants raised in P/ Bags       |
| 837.76      | 220 Nos  | 2 Filling of pits 45x45x45 cm                |
| 146916.00%  | 220 Nos  | 1 Re digging of pits 45x45x45 cm             |
|             |          | 2nd year maintenance (20% Beating up)        |
| 1363500.00% |          | SAY Rs. :-                                   |
| 1363434.00% |          | TOTAL:-                                      |
| 726000.00%  | 330 Nos  | 6 Nursery cost of Plants                     |
| 15120.00%   | 60 Rmt.  | 5 Repair of fencing                          |
| 175560.00%  | 330 Nos  | 2 KM uphill/ down hill                       |
|             |          | 4 Carriage of Plants in P bags over distance |
| 1007.16     | 330 Nos  |  |
| 1256.64     | 330 Nos  | 2 Filling of pits 45x45x45 cm                |
| 220374.00%  | 330 Nos  |  |
| Level 1     |          | 1st year maintenance (30% BEALING UP)        |

| 464500.00% |            |  |       |
|------------|------------|--|-------|
| 1010.00    |            | SAY Rs. :-   |       |
| 4645 58    |            | TOTAL:-  |       |
| 242000.00% | 110 Nos.   | Nursery Cost of Plants   | σ     |
| 151.2      | 60 Rmt.    | Repair of fencing  | .   U |
| 58520.00%  | 110 Nos    | 2 KM uphill/ down hill   | 1     |
|            |            | Carriage of Plants in P bags over distance   | 4     |
| 335.72     | 110 Nos.   | Planting of Plants raised in P/ Bags   | . u   |
| 418.88     | 110 Nos.   | riming of pits 45x45x45 cm   | 2     |
| 734.58     | 110 Nos    | Re digging of pits 45x45x45 cm   | ᅴᄂ    |
|            |            | oth year maintenance (10% Beating up)  | •     |
| 4645       |            |  |       |
| 464558.00% |            | IVIAL:-  |       |
| 2420       | - 110 Nos. | TOTAL -  | c     |
| 15120.00%  | 60 Rmt.    | Numeration of Dianta   | ע     |
| 585.2      | 110 Nos    | 2 NY UPHII/ DOWN NII   | л     |
|            |            | Carriage of Plants in P bags over distance   | -+    |
| 335.72     | 110 Nos.   | Contract of Plants raised in P/ Bags   | 20    |
| 418.88     | 110 Nos.   | Filling of pits 45x45x45 cm  | 2 N   |
| 734.58     | 110 Nos    | 5 cm   |       |
|            |            | 5th year maintenance (10% Beating up)  |       |
| 464500.00% |            |  |       |
| 4645.58    |            | SAV Do   |       |
| 242000.00% | 110 Nos    |  | 6     |
| 151.2      | 60 Rmt.    |  | חר    |
| 585.2      | 110 Nos    | Poppir of foreing  | -     |
|            |            | 2 KM linhill/ down hill  |       |
| 335.72     | 110 Nos.   | Carriane of Dante in D bace over distance  | 4 L   |
| 418.88     | 110 Nos.   | Planting of Diante raised in D/ Base   | ין מ  |
| 734.58     | 110 Nos    | Filling of http://filling.of.ntho/filling.of.n | ວ ⊦   |
|            |            | Re dimine of hite AEVAEVAE am  |       |

d

K.

in

| SAY Rs. :- | TOTAL:-    | 6 Nursery Cost of Plants | 5 Repair of fencing | 2 KM uphill/ down hill | 4 Carriage of Plants in P bags over distance | 3 Planting of Plants raised in P/ | 2 Filling of pits 45x45x45 cm | 1 Re digging of pits 45x45x45 cm | 9th year maintenance (10% Beating up) | SAY Rs. :- | TOTAL:- | 6 Nursery Cost of Plants | 5 Repair of fencing | 2 KM uphill/ down hill | 4 Carriage of Plants in P bags over distance | 3 Planting of Plants raised in P/ Bags | 2 Filling of pits 45x45x45 cm | 1 Re digging of pits 45x45x45 cm | 8th year maintenance (10% Beating up) | SAY Rs. :- | TOTAL:- | 6 Nursery Cost of Plants | 5 Repair of fencing | 2 KM uphill/ down hill | 4 Carriage of Plants in P bags over distance | 3 Planting of Plants raised in P/ Bags | 2  Filling of pits 45x45x45 cm | 1  Ke algging of pits 45X45X45 cm |
|------------|------------|--------------------------|---------------------|------------------------|--|-----------------------------------|-------------------------------|----------------------------------|---------------------------------------|------------|---------|--------------------------|---------------------|------------------------|--|--|-------------------------------|----------------------------------|---------------------------------------|------------|---------|--------------------------|---------------------|------------------------|--|--|--------------------------------|-----------------------------------|
|            |            |                          |                     |                        | s over distance                              | P/ Bags                           |                               | 5 cm                             | (10% Beating up)                      |            |         |                          |                     |                        | s over distance                              | P/ Bags                                |                               | 5 cm                             | (10% Beating up)                      |            |         |                          |                     |                        | over distance                                | P/ Bags                                |                                | CITI                              |
|            |            | 110 Nos.                 | 60 Rmt.             | 110 Nos                |  | 110 Nos.                          | 110 Nos.                      | 110 Nos                          |                                       |            | 15      | 110 Nos.                 | 60 Rmt.             | 110 Nos                |  | 110 Nos.                               | 110 Nos.                      | 110 Nos                          |                                       |            |         | 110 Nos.                 | 60 Rmt.             | 110 Nos                |  | 110 Nos.                               | 110 Nos.                       | SON DIT                           |
| 4645       | 464558.00% | 2420                     | 151.2               | 585.2                  |  | 335.72                            | 418.88                        | 734.58                           |                                       | 464500.00% | 4645.58 | 242000.00%               | 151.2               | 58520.00%              |  | 335.72                                 | 418.88                        | 734.58                           |                                       | 464500.00% | 4645.58 | 242000.00%               | 151.2               | 58520.00%              |  | 335.72                                 | 418.88                         | / 34.38                           |

(0)

Conservator of Forests, National Park, Shamshi

m Divisional Forest Officer, GHNP Division, Shamshi.

Wild Life Range, Tirthan Range Forest Officer, 5 3

Any Bonafide mistake grammatical or other wise shall be liable to corrected. lettle is lidble to correct as per instruction/guide lines issued by the Govt. time to time.

N

| ne to time. | P<br>V      | Above scheme is liable to correct as per instruction/guide lines issued | Note:-1 |
|-------------|-------------|---|---------|
|             | 1831121     | or say  |         |
|             | 1831120.935 | Total Compensatory a forestation scheme cost                            |         |
|             | 74739.63    | Add 5% Contigency charges on CA   |         |
|             | 261588.705  | Add 17.50% departmental charges on CA                                   |         |
| -           | 1494792.6   | Cost for compensatory a forestation =x \$ 10.36 144285                  |         |
|             | 10.36 ha    | Area to be taken for Comepnsatory Afforestation =                       |         |
|             | 144285.00   | GRAND TOTAL:-   |         |
|             | 4645.00     | 10th year Maintenance   |         |
|             | 4645.00     | 9th year Maintenance  |         |
|             | 4645.00     | 8th year Maintenance  |         |
|             | 4645.00     | 7th year Maintenance  |         |
|             | 4645.00     | 6 th year Maintenance   |         |
|             | 4645.00     | 5th Year Maintenance  |         |
|             | 4645.00     | 4th Year Maintenance  |         |
|             | 4645.00     | 3rd Year Maintenance  |         |
|             | 9140.00     | 2nd Year Maintenance  |         |
|             | 13635.00    | 1st Year Maintenance  |         |
|             | 84350.00    | New Plantation  |         |
|             |             | ABSTRACT:-  |         |
| 4645.00     |             | SAY Rs. :-  |         |
| 4645.58     |             | TOTAL:-   |         |
| 2420        | 110 Nos.    | 6 Nursery Cost of Plants  |         |
| 151.2       |             | 5 Repair of fencing   |         |
| 585.2       | 110 Nos     | 2 KM uphill/ down hill  |         |
|             |             | 4 Carriage of Plants in P bags over distance                            |         |
| 335.72      |             | 3 Planting of Plants raised in P/ Bags                                  |         |
| 418.88      | 110 Nos.    | 2 Filling of pits 45x45x45 cm   |         |
| 734.58      | 110 Nos     | 1 Re digging of pits 45x45x45 cm  |         |
|             |             | 10th year maintenance (10% Beating up)                                  |         |

100

č

1 -1