

Full Title of the Project: Diversion of 0.689 ha. of forest land in favour of Sub. Divisional Engineer, Public Health Engg. Sub. Division, Hansi for permission of laying 315mm, O/d Pipe line for Storm water, along Hansi Tosham Road upto Hajampur Drain, at Tehsil Hansi, under forest- Division & Distt. Hisar Haryana.

FP/HR/Others/143154/2021

Date of Proposal: 05/06/2021

## CHECK LIST SERIAL NUMBER:- 18

### "SCHEME FOR COMPENSATORY AFFORESTATION"

|  |   |  |                                |          |            |
|--|---|--|--------------------------------|----------|------------|
| Name of the Forest/Reach to be diverted  |   | Full Title of the Project: Diversion of 0.689 ha. of forest land in favour of Sub. Divisional Engineer, Public Health Engg. Sub. Division, Hansi for permission of laying 315mm, O/d Pipe line for Storm water, along Hansi Tosham Road upto Hajampur Drain, at Tehsil Hansi, under forest- Division & Distt. Hisar Haryana. |                                |          |            |
| Forest Area (in Ha)  |   | 0.689  |                                |          |            |
| Details of de-graded forest land/non forest land where CA is to be carried out : |   | CA site :- <u>Sisai Minor RD 20-29 L/R (Abandoned)</u><br>A. <u>Hilly/Undulating/Plain.</u>  |                                |          |            |
| Division / District:   | Hisar   | Range  | Hansi                          | Village. | Hajampur   |
| 2).  | <b>Description of Area :</b>  |  |                                |          |            |
| i  | Whether the site selected for Compensatory Afforestation is a land bank or not                                    |  |                                |          | Yes        |
| ii   | If the C.A site is other than the land bank, reasons be given   |  |                                |          | N.A        |
| iii  | In case of non-forest area identified for CA, then what is the distance of CA site from adjoining forest boundary |  |                                |          | N.A        |
| iv   | Soil Type   |  | Sandy Loam                     |          |            |
| v  | Topography :  |  | a. Hilly/Undulating/Plain.     |          | Undulating |
|  |   |  | b. Slope:-Steep/Medium/Gentle. |          |            |
| vi   | Whether the area is bearing any root stock of vegetation  |  |                                |          | No         |

### 3 Plantation of Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up is as under :-

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

The plantation cost is calculated for tall plants norms at Plant to Plant spacing and it is approved by the PCCF, Haryana's letter no. CAMPA/232 dated 11-06-2021 at a spacing of 4 x 4 on the wage rate of Rs. 363.77/- per day as under :-

| Year                                       | Plant per Year |
|--|----------------|
| 1 <sup>st</sup> Year cost of afforestation | 315.33         |
| 2 <sup>nd</sup> Year maintenance           | 86.90          |
| 3 <sup>rd</sup> Year maintenance           | 54.09          |
| 4 <sup>th</sup> Year maintenance           | 10.05          |
| 5 <sup>th</sup> Year maintenance           | 10.05          |
| 6 <sup>th</sup> Year maintenance           | 10.05          |
| 7 <sup>th</sup> Year maintenance           | 10.05          |
| 8 <sup>th</sup> Year maintenance           | 10.05          |
| 9 <sup>th</sup> Year maintenance           | 10.05          |
| 10 <sup>th</sup> Year maintenance          | 10.05          |
| <b>Total</b>                               | <b>526.67</b>  |

|  |       |
|--|-------|
| Area to be Diverted =  | 0.689 |
| to be felled-  | 31    |
| Plants to be damaged=  | 246   |
| Plants to be planted =   | 1378  |
| Area to be Planted (@ 1000 plant per ha.) =  | 1.38  |
| Additional C.A. in lieu of plants to be damaged (Double the plants to be damaged)= 492 |       |

| S.No | DESCRIPTION  |                  | RATE<br>Rs Per Plant  | TOTAL AMOUNT (Rs.) |
|------|--|------------------|-----------------------|--------------------|
| A    | Compensatory Afforestation Charges                       | No. of<br>Plants |                       |                    |
|      | (1) 1 <sup>st</sup> Year cost of afforestation           | 1378             | 315.33                | 434525             |
|      | (2) 2 <sup>nd</sup> Year maintenance                     |                  | 86.90                 | 119748             |
|      | (3) 3 <sup>rd</sup> Year maintenance                     |                  | 54.09                 | 74536              |
|      | (4) 4 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 13849              |
|      | (5) 5 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 13849              |
|      | (6) 6 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 13849              |
|      | (7) 7 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 13849              |
|      | (8) 8 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 13849              |
|      | (9) 9 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 13849              |
|      | (10) 10 <sup>th</sup> Year maintenance                   |                  | 10.05                 | 13849              |
|      | (11) Barbed Wire Fencing charges= RKM                    | 5.51             | Rs. 200000/- Per RKM  | 1102400            |
|      | <b>Total Charges</b>                                     |                  |                       | 1828152            |
| B    | <b>Additional Compensatory Afforestation Charges</b>     |                  |                       |                    |
|      | (1) 1 <sup>st</sup> Year cost of afforestation           | 492              | 315.33                | 155142.36          |
|      | (2) 2 <sup>nd</sup> Year maintenance                     |                  | 86.90                 | 42754.80           |
|      | (3) 3 <sup>rd</sup> Year maintenance                     |                  | 54.09                 | 26612.28           |
|      | (4) 4 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 4944.60            |
|      | (5) 5 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 4944.60            |
|      | (6) 6 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 4944.60            |
|      | (7) 7 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 4944.60            |
|      | (8) 8 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 4944.60            |
|      | (9) 9 <sup>th</sup> Year maintenance                     |                  | 10.05                 | 4944.60            |
|      | (10) 10 <sup>th</sup> Year maintenance                   |                  | 10.05                 | 4944.60            |
|      | (11) Barbed Wire Fencing charges= RKM                    | 1.97             | Rs. 200000/- Per RKM  | 393600             |
|      | <b>Total (B) Addl. C.A. Charges</b>                      |                  |                       | 652722             |
|      | <b>Total A + B (CA + Add. CA)</b>                        |                  |                       | 2480874            |
|      | Supervisory / Overhead / Miscellaneous Charges           |                  | 10% on the CA charges | 248087             |
| C    | <b>Catchment Area Treatment (if required)</b>            |                  |                       |                    |
|      | Soil and Moisture Conservation charges                   |                  | 30% of the Total CA   | 1488524            |
| D    | Safety Zone (if required)                                |                  |                       |                    |
| E    | <b>Additional Charges (if required)</b>                  | <b>Qty</b>       | <b>Rate</b>           |                    |
|      | Demarcation for CA Land                                  |                  | 200000                | 200000             |
|      |  |                  | <b>Total</b>          | 200000             |
| F    | <b>Net Present Value of Forest Land to be diverted</b>   | <b>0.689 Ha.</b> | Rs. 887000/ha.        | 611143             |
| G    | Felling charges = Vol m <sup>3</sup>                     | 6.32             | Rs. 1200/- Per m3     | 7584               |
|      |  |                  | <b>Total</b>          | 5036212            |
| H    | Exigency Charges 3% of the total cost of Total CA Scheme |                  |                       | 151086             |
|      |  |                  | <b>G.Total</b>        | 5187299            |

|   |  |  |  |
|---|--|--|--|
| 3 | <b>Technical Details :-</b>  |  |  |
|   | Technical Details of Compensatory Afforestation Scheme are as follows :- |  |  |
| a | General Details  |  | Plantation will be done with 3 standard Barbed fencing in RF/PF.                 |
| b | Spacement.   |  | Plant to Plant (4x4)   |
| c | Species.   |  | Neem, Bakain, Shisham, Siris, Jamun, Papri, Arjun, Lassora, Tut, Imlj, Awla etc. |
| d | Plantation Method.   |  | Tall Plantation  |
| e | Soil and Moisture Conservation Works.                                    |  |  |
| f | Protection (Fencing, watchman, Peoples Participation etc).               |  | Fencing  |
| g | Proposed Monitoring Mechanisim.  |  | M&E  |
| h | Any Other Information  |  | No   |

Place: Hisar

Dated : 19-11-2021

Divisional Forest Officer  
Hisar Forest Division  
HISAR

Note : CF (T) should countersign this C.A. scheme if area to be afforested is more than 5 hectare.