

## COMPENSATORY AFFORESTATION SCHEME

**NAME OF PROJECT:** Estimate for compensatory afforestation scheme for diversion of 19.36 ha forest land for construction of ITBP Phase-II road from Muguthang to 20R link point under Lachen Territorial Range in North Sikkim by CPWD, Government of India.

**1. INTRODUCTION:** The Central Public Works Department Government of India has diversion of 19.36 ha forest land for construction of ITBP Phase-II road from Muguthang to 20R link point under Lachen Territorial Range in North Sikkim by CPWD, Government of India.

The Ministry of Environment & Forest, Govt. of India has prescribed the following guidelines for diversion:

- i. In all cases the legal status of forest land shall remain unchanged.
- ii. User agency would have to pay the cost of Compensatory Afforestation to the State Forest Department.

### **2. SELECTION OF SITE/LOCATION FOR COMPENSATORY AFFORESTATION**

| Sl. No | Location     | Range      | Division           | Compensatory Afforestation (in Ha) | Nos of seedlings to be planted | Dry stone fencing | Vegetative fencing | SMC      |
|--------|--------------|------------|--------------------|------------------------------------|--------------------------------|-------------------|--------------------|----------|
| 1      | Gomang (RF)  | Lachen (T) | North (T) Division | 5 ha                               | 5500 No                        | 1 Km              | 10 Km              | 19.36 Km |
| 2      | Samdong (RF) | Lachen (T) | North (T) Division | 4.36 ha                            | 4796 No                        | 1 Km              |                    |          |
| 3      | Samdong (RF) | Lachen (T) | North (T) Division | 4.36 ha                            | 4796 No                        | 2 Km              |                    |          |

### **3. INTEGRATED PROGRAMME / METHODOLOGY OF WORK EXECUTION**

- I. **Seedling Requirement:** The requirement of seedlings may be met from the existing nurseries of the Department on payment basis as per the approved rates. The existing nurseries will have to be provided with the seeds of mixed species including the cost of nursery implements used.

- II. **Choice of species:** Mixed plantation of site-specific species indigenous fruit bearing and timber able species namely, Hemlock, silver fir, Rhododendron, Kapasi Lak saur etc.
- III. **Executing Agency:** the works under the Scheme shall be executed by the of Forest and Environment Department, Government of Sikkim through East Territorial Division and Forest (Conservation) Act, 1980, Cell as per the approval of the Government.
- IV. **Monitoring and Evaluation:** all the activities under the Scheme may be monitored by a committee constituted for the purpose, Nodal Officer, Forest (Conservation) Act, 1980 and the representative from Ministry of Environment and Forests, Government of India concurrently and regularly.

#### 4. Revised Cost Structure & Financial Forecast for CA Scheme.

##### (A) Block Plantation (Artificial Regeneration)

| Sl.No              | Particular  | Area(ha/km) | Rate         | Amount                |
|--------------------|---|-------------|--------------|-----------------------|
| (i) (a)            | Cost of Block Plantation (including casualty replacement and weeding during the planting year)            | 19.36       | 93,302.00    | 18,06,326.72          |
| (c)                | Providing and Laying Dry stone wall fencing as per direction including carriage of stones up to worksite. | 5           | 15,14,355.00 | 75,71,775.00          |
| (ii)               | Vegetative fencing with live Headge cutting   | 10          | 77,390.00    | 7,73,900.00           |
| (iii)              | Soil and Moisture Conservation work though vegetative measure   | 19.36       | 1,34,596.00  | 26,05,778.56          |
| <b>Sub-total-A</b> |   |             |              | <b>1,27,57,780.28</b> |

##### (B) Maintenance for 10 years

| Sl.No.                 | Particulars   | Area(ha)  | Rate(Rs./Ha) |           | Amount (In rupees)    |
|------------------------|---|-----------|--------------|-----------|-----------------------|
| 1                      | 2nd year maintenance  | 19.36     | 2            | 20,468.00 | 7,92,520.96           |
| 2                      | 3rd year maintenance  | 19.36     | 1            | 20,468.00 | 3,96,260.48           |
| 3                      | 4th year maintenance  | 19.36     | 1            | 10,900.00 | 2,11,024.00           |
| 4                      | 5th year maintenance  | 19.36     | 1            | 10,900.00 | 2,11,024.00           |
| 5                      | 6th year maintenance  | 19.36     | 1            | 10,900.00 | 2,11,024.00           |
| 6                      | 7th year maintenance  | 19.36     | 1            | 7,954.00  | 1,53,989.44           |
| 7                      | 8th year maintenance  | 19.36     | 1            | 7,954.00  | 1,53,989.44           |
| 8                      | 9th year maintenance  | 19.36     | 1            | 7,954.00  | 1,53,989.44           |
| 9                      | 10th year maintenance   | 19.36     | 1            | 7,954.00  | 1,53,989.44           |
| 10                     | maintenance of dry stone wall for next 4 years (10 % of the cost) | 75,71,775 |              | 10%       | 7,57,177.50           |
| <b>Sub-total-B</b>     |   |           |              |           | <b>31,94,988.70</b>   |
| <b>Sub-total-(A+B)</b> |   |           |              |           | <b>1,59,52,768.98</b> |

(C) For Protection

| Sl. NO            | Particular  | Rate (per day) | Amount         |
|-------------------|---|----------------|----------------|
| (i)               | Engagement of Plantation Supervisor 2 Nos 520/day for 5 Years | 520            | 6,57,200.00    |
| Sub-total-(C)     |   |                | 26,57,200.00   |
| Sub-total-(A+B+C) |   |                | 1,86,09,968.98 |

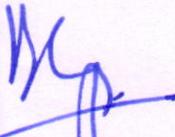
(D) Over Head/monitoring & Evaluation/Contingencies

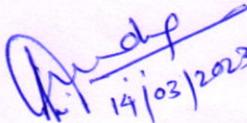
| Sl.No                 | Particular  | Area(ha) | Rate        | Amount      |
|-----------------------|---|----------|-------------|-------------|
| 1                     | Office expenses, stationery, TA/DA, repair of vehicles  | 5%       | 1,86,09,969 | 9,30,498    |
| 2                     | Monitoring & evaluation of scheme/project by the Central Government as well as by the State Government. | 2%       | 1,86,09,969 | 3,72,199    |
| 3                     | Contingencies & unforeseen expenditure  | 4%       | 1,86,09,969 | 7,44,399    |
| Sub-total-D           |   |          |             | 20,47,097   |
| Grand Total (A+B+C+D) |   |          |             | 2,06,57,066 |

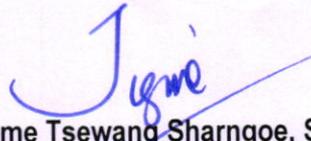
(Rupees two corers six lakhs fifty seven thousand and sixty six four only)

The above proposal is based on the SOR-2022, duly incorporating the revised minimum rate of daily wages issued vide Govt. of Sikkim Notification No. 29/DL dated 14.09.2022.

The above amount shall be paid and transferred by the User Agency to the Department of Forests, Environment and Wildlife Management, Government of Sikkim, for the implementation of the scheme against the project.

  
(Blen Tsh. Targain, SFS)  
Joint Director (FCA)

  
14/03/2023

  
(Jigme Tsewang Sharngoe, SFS)  
Divisional Forests Officer (FCA),

Blen Tsh. Targain, SFS  
Joint Director (FCA)  
Forest & Environment Department  
Govt. of Sikkim

Technical sanction/approval is  
accorded to the estimate for  
Compensatory Afforestation  
Scheme of Rs. 2,06,57,066/-

Jigme Tsewang Sharngoe, SFS  
Divisional Forests Officer (FCA)  
Forest & Environment Department  
Govt. of Sikkim