



GOVERNMENT OF SIKKIM
FORESTS AND ENVIRONMENT DEPARTMENT
FOREST SECRETARIAT, DEORALI, GANGTOK-737 102
Email: fca.sikkim@gmail.com

Ref. No. 2023/FCA/F&ED/... 2036

Dated 19 / 5 / 2023

To: The Inspector General of Forest-cum-Nodal Officer,
 Integrated Regional Office,
 Ministry of Env. Forests & Climate Change,
 Government of India,
 IB-198, Sector-III, Salt Lake City,
 Kolkata -700106.

Sub: Proposal for diversion of 26.8 ha (16.4 in RF/Khasmal/River reserve + 10.427 ha in buffer & transition zone of KNP) for laying of 220 KV DC Shinghik Chungthang Transmission Line under CSSTDS in Mangan district of Sikkim by Power Department, Govt. of Sikkim – reply of Addl. Information reg.

(Proposal No: FP/SK/TRANS/157621/2022)

Madam,

This is with reference to letter No. IRO/KOL/SK/TRANS/157621/2022/165 dated 2nd May, 2023, please find enclosed herewith reply for additional information sought for the aforesaid proposal as under:

| SN | Additional information sought | Reply to Addl. information |
|----|--|---|
| i. | As per DSS Analysis, the proposed CA land (53 ha) is categorized as 2 ha Very Dense Forest and 51 ha as Moderately Dense Forest, which are not suitable for compensatory afforestation. Therefore, suitable CA land along with CA scheme, toposheet map, CA land suitability certificate and certificate from the Chief Secretary, Government of Sikkim regarding non-availability of non-forest land for CA may kindly be uploaded in the PARIVESH portal for further processing of the proposal. | <p>Suitable land for Compensatory Afforestation is proposed and uploaded on PARIVESH as under:</p> <p>i. Phodong RF under Mangan (T) Range : 9.4 ha</p> <p>ii. Chungthang RF under Chungthang (T) Range : 44.28 ha Total (Ha) : 53.68 ha</p> <p>Toposheet map for CA and KML file uploaded on PARIVESH.</p> <p>CA scheme and site Suitability certificate for Compensatory afforestation is uploaded on PARIVESH and hard copy of the same is attached herewith.</p> <p>Certificate from the Chief Secretary, Government of Sikkim regarding non-availability of non-forest land for CA is uploaded on PARIVESH.</p> |

Therefore, it is requested that the Stage-I clearance may be accorded under Section 2(ii) of the Forest (Conservation) Act, 1980, please.



Yours faithfully,

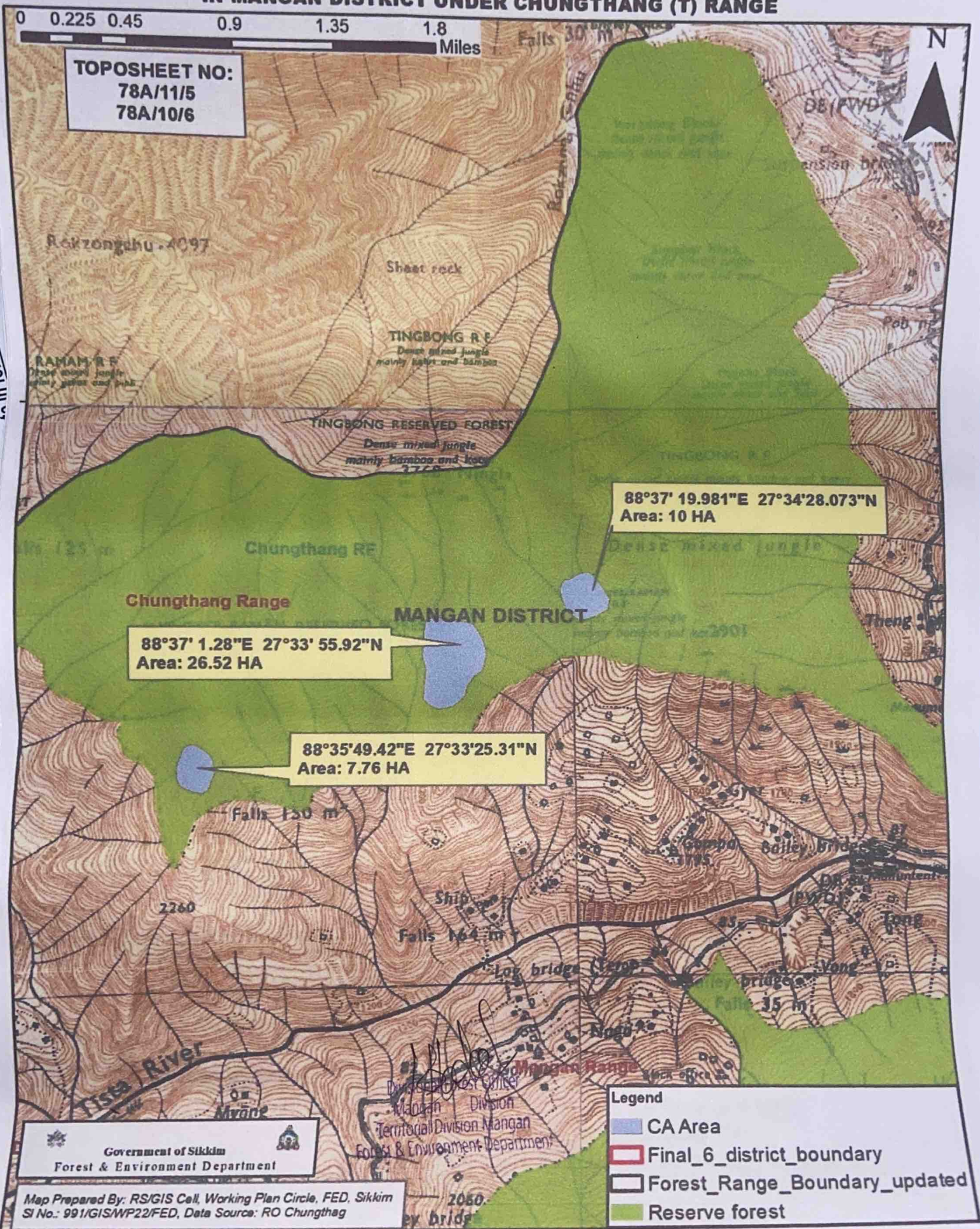
[Signature]
 19/05/2023

(Brijendra Swaroop, IFS),
 APCCF-cum-Nodal Officer (FCA),
 Brijendra Swaroop, IFS,
 APCCF, Env. & S.C., SBFP,
 SF, PIng, M&E.
 Forests & Environment Department
 Government of Sikkim.

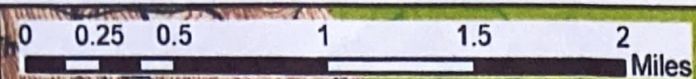
Copy for information to:

- Secretary, Forest & Environment Department, Gos
- The PCE-cum_Secretary, Power Department, Govt. of Sikkim, Gangtok
- CF (T) Gangtok.
- File

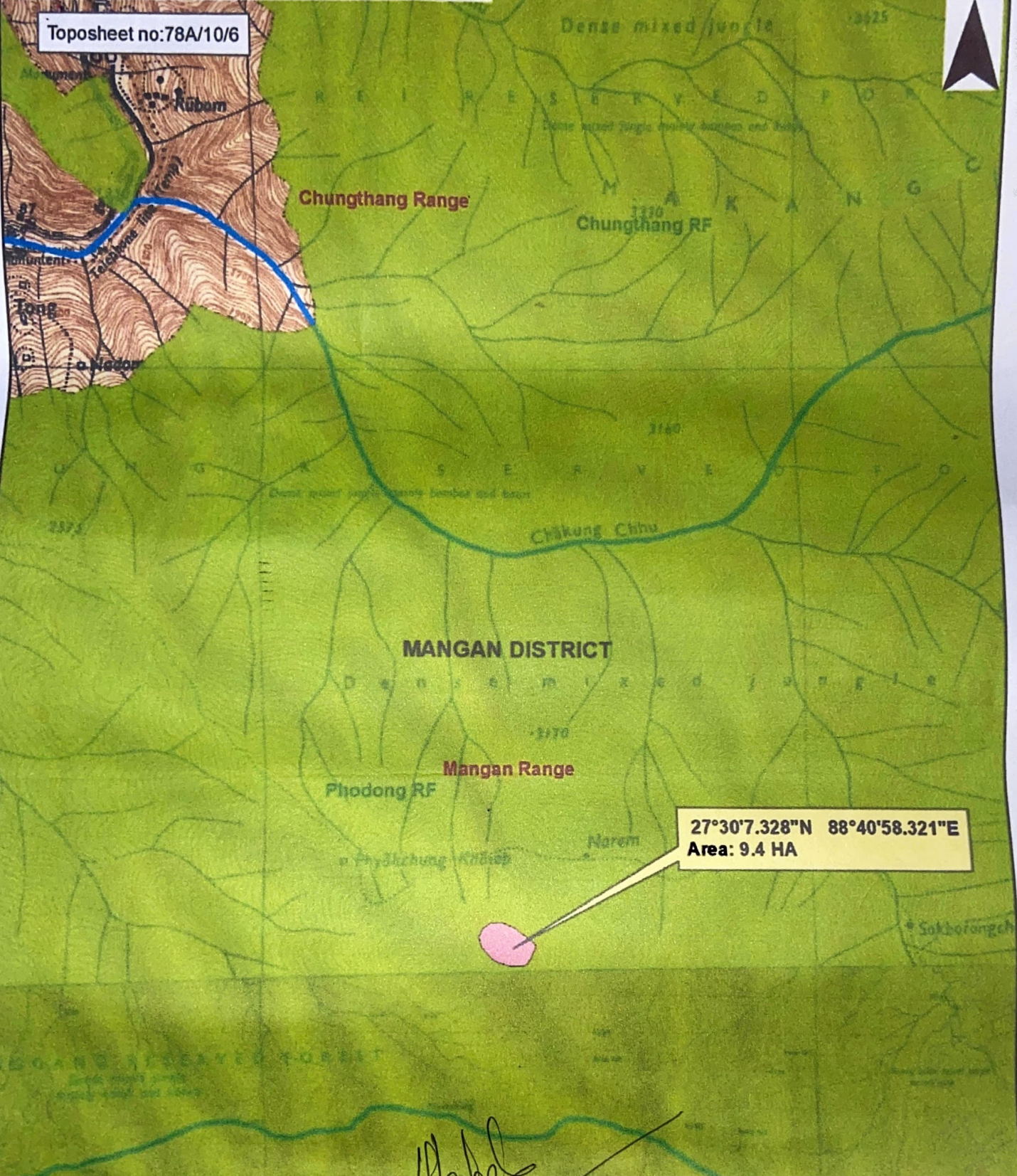
MAP SHOWING THE LOCATION OF CA AREA (44.28HA) AGAINST THE DIVERSION OF FOREST LAND FOR CONST. OF 220KV D/C SINGHIK TO CHUNGHANG TRANSMISSION LINE UNDER CSSTDs BY ENERGY & POWER DEPT. IN MANGAN DISTRICT UNDER CHUNGHANG (T) RANGE



MAP SHOWING THE LOCATION OF CA AREA (9.4HA) AGAINST THE DIVERSION OF FOREST LAND FOR CONST. OF 220KV D/C SINGHIK TO CHUNGHANG TRANSMISSION LINE UNDER CSSTDs BY ENERGY & POWER DEPT. IN MANGAN DISTRICT UNDER MANGAN (T) RANGE



Toposheet no:78A/10/6



27°30'7.328"N 88°40'58.321"E
Area: 9.4 HA

[Signature]
Divisional Forest Officer
Mangan Division
Territorial Division Mangan
Forest & Environment Department

Government of Sikkim
Forest & Environment Department

Map Prepared By: RS/GIS Cell, Working Plan Circle, FED, Sikkim
SI No.: 992/GISWP22/FED, Data Source: RO Chungthang

Legend

- CA Area (9.4 HA)
- Reserve forest
- Final_6_district_boundary_
- Forest_Range_Boundary_updated

88°40'0"E

SITE SUITABILITY CERTIFICATE FOR COMPENSATORY AFFORESTATION.

This is to certify that the location / site identified for the Compensatory Afforestation in lieu of Diversion of 26.8ha (16.4ha in RF/ Khasmal/ River Reserve + 10.427ha in buffer and transition zone of KNP) of forest land for laying of 220kv D/C Singhik-Chungthang Transmission Line under CSSTDS in Mangan District by Power Department, Government of Sikkim is degraded forest land and found to be suitable for Compensatory Afforestation from the management point of view on following location. This is required for establishment and greening of ecologically fragile and degraded forest area to improve micro-ecology of the area.

| Sl. No | Location | Range | Compensatory Afforestation (in ha) | Forest Density | Slope in Degree/Percentage | Altitudinal range | Remarks |
|--------|---------------|---------------|------------------------------------|----------------|----------------------------|-------------------|--|
| 1 | Phodong RF | Mangan (T) | 9.4Ha | Open Forest | 30% | 3000ft | Afforestation with Block Plantation will be carried out in the degraded land of Phodong Reserve Forest. |
| 2 | Chungthang RF | Chungthang(T) | 26.52Ha | Open Forest | 30% | 7000ft | Afforestation with Block Plantation will be carried out in the degraded land of Chungthang Reserve Forest. |
| | | | 10 Ha | | | | |
| | | | 7.76 Ha | | | | |
| | | | 53.68Ha | | | | |


 Divisional Forest Officer
 Territorial Division Mangan
 Mangan Division
 Territorial Division Mangan
 Forest & Environment Department

COMPENSATORY AFFORESTATION SCHEME

NAME OF PROJECT: Compensatory Afforestation Scheme in respect of diversion of diversion of 26.8 ha (16.4 ha in RF/Khasmal/river Reserve + 10.427 Ha in buffer & transition zone of KNP) of forest land for laying of 220 KV D/C Singhik-Chungthang Transmission Line under CSSTDS in Mangan District by Power Department, Govt. of Sikkim

1. **INTRODUCTION:** Power Department, Govt. of Sikkim has proposed for diversion of 26.8 ha (16.4 ha in RF/Khasmal/river Reserve + 10.427 Ha in buffer & transition zone of KNP) of forest land for laying of 220 KV D/C Singhik-Chungthang Transmission Line under CSSTDS in Mangan District of Sikkim.

The forest land involved is **26.8 ha** and the stipulation would be double the area proposed for diversion i.e **53.68 ha**

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 | Compensatory Afforestation (in Ha) | Nos of seedlings to be planted | Division | SMC |
|--------|---------------|----------------|------------------------------------|--------------------------------|---------------------|-------|
| 1 | Phodong RF | Mangan (T) | 9.4 ha | 10340 Nos | Mangan (T) Division | 27 Ha |
| 2 | Chungthang RF | Chungthang (T) | 26.52 ha | 29172 Nos | | |
| | | | 10 ha | 11000 Nos | | |
| | | | 7.76 ha | 8536 Nos | | |
| Total | | | 53.68 Ha | | | |

3. INTEGRATED PROGRAMME / METHODOLOGY OF WORK FOR EXECUTION

- I. **The 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, *Magnolia lanuginosa*, *Quercus spp*, *Rhododendron spp*, *Schima wallichii*, *Duabanga grandiflora*, *Choero spondias axillaris*, *Exbucklandia populnae*, etc.
- III. **Time Scheduled:** Schedule of work maybe in the Financial Year 2023-2024 subject to availability of fund in time from the User Agency.
- IV. **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.
- V. **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) | 53.68 | 93,302.00 | 50,08,451.36 |
| (ii) | Providing and Laying Dry stone wall fencing as per direction including carriage of stones up to worksite (in 10 % of the total plantation area) | 3.00 | 15,14,355.00 | 45,43,065.00 |
| (iii) | Soil and Moisture Conservation work though vegetative measure ha | 27 | 1,34,596.00 | 36,34,092.00 |
| Sub-total-A | | | | 1,31,85,608.36 |

(B) Maintenance for 10 years

| Sl.No. | Particulars | Area(ha) | Rate(Rs./Ha) | | Amount (In rupees) |
|--------|----------------------|----------|--------------|-----------|--------------------|
| 1 | 1st year maintenance | 53.68 | 2 | 26,916.00 | 28,89,701.76 |
| 2 | 2nd year maintenance | 53.68 | 2 | 20,468.00 | 21,97,444.48 |
| 3 | 3rd year maintenance | 53.68 | 2 | 20,468.00 | 21,97,444.48 |
| 4 | 4th year maintenance | 53.68 | 1 | 10,900.00 | 5,85,112.00 |
| 5 | 5th year maintenance | 53.68 | 1 | 10,900.00 | 5,85,112.00 |
| 6 | 6th year maintenance | 53.68 | 1 | 10,900.00 | 5,85,112.00 |
| 7 | 7th year maintenance | 53.68 | 1 | 7,954.00 | 4,26,970.72 |
| 8 | 8th year maintenance | 53.68 | 1 | 7,954.00 | 4,26,970.72 |

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| | | | | | |
|------------------------|---|-----------|---|----------|-----------------------|
| 9 | 9th year maintenance | 53.68 | 1 | 7,954.00 | 4,26,970.72 |
| 10 | 10th year maintenance | 53.68 | 1 | 7,954.00 | 4,26,970.72 |
| 11 | Maintenance of dry stone wall for next 4 years (10 % of the cost) | 45,43,065 | | 10% | 4,54,306.50 |
| Sub-total-B | | | | | 1,12,02,116.10 |
| Sub-total-(A+B) | | | | | 2,43,87,724.46 |

(C) For Protection

| Sl. NO | Particular | Rate (per day) | Amount |
|--------------------------|---|----------------|-----------------------|
| (i) | Engagement of Plantation Supervisor 2 Nos @520/day for 10 Years | 520 | 37,96,000.00 |
| Sub-total-(C) | | | 37,96,000.00 |
| Sub-total-(A+B+C) | | | 2,81,83,724.46 |

(D) Over Head/monitoring & Evaluation/Contingencies


| Sl.No | Particular | Area(ha) | Rate | Amount |
|------------------------------|---|----------|-------------|--------------------|
| 1 | Office expenses, stationery, TA/DA, repair of vehicles | 5% | 2,81,83,724 | 14,09,186 |
| 2 | Monitoring & evaluation of scheme/project by the Central Government as well as by the State Government. | 2% | 2,81,83,724 | 5,63,674 |
| 3 | Contingencies & unforeseen expenditure | 4% | 2,81,83,724 | 11,27,349 |
| Sub-total-D | | | | 31,00,210 |
| Grand Total (A+B+C+D) | | | | 3,12,83,934 |

(Rupees three crore twelve lakhs eighty three thousand nine hundred and thirty four only)

The above proposal is based on the SOR-2018, 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)
 Blen Tsh. Targain, SFS
 Joint Director (FCA)
 Forest & Environment Department
 Govt. of Sikkim


Brijendra Swaroop IFS
APCCF-cum-Nodal Officer (FCA)
Forest & Environment Department
Govt. of Sikkim


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

*Technical sanction/approval is
 accorded to the estimate for
 Compensatory Afforestation
 Scheme of Rs... 3,12,83,934/-*



OFFICE OF THE CHIEF SECRETARY
GOVERNMENT OF SIKKIM
GANGTOK

Ref. No.06/CS/SKM/2023

Date: 28.01.2023

**Certificate for Non-availability of Non-Forest Land for Compensatory
Afforestation.**

I, V.B.Pathak, IAS, Chief Secretary, Government of Sikkim, do hereby certify that:

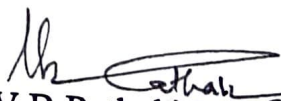
(i) I have obtained from each District Collector and Divisional Forest Officer in the State of Sikkim, a joint certificate to the effect that non-forest land, revenue lands, zudpi jungle, chhotejharka jungle, bade jharka jungle, jungle-jhari land, civil-soyam lands and all other such categories of forest lands (except the forest land under management and administrative control of the Forest Department) on which the provisions of Forest (Conservation) Act, 1980 are applicable, which as per the extant guidelines of the Central Government may be utilized for creation of compensatory afforestation in lieu of forest land diverted for non-forest purpose, are not available in the area under their respective jurisdiction; and

(ii) I have also examined all other relevant records.

On the basis of aforementioned joint certificates and examination of all other relevant records, I do hereby certify that non-forest land, revenue lands, zudpi jungle, chhotejharka jungle, bade jharka jungle, jungle-jhari land, civil-soyam lands and other such categories of forest lands (except the forest land under management and administrative control of the Forest Department) on which the provisions of Forest (Conservation) Act, 1980 are applicable, which as per the extant guidelines of the Central Government may be utilized for creation of compensatory afforestation in lieu of forest land diverted for non-forest purpose, are not available in the entire State of Sikkim.

This certificate is valid for a period of one year from the date of issue.

Issued under by hand and seal on this 28th day of January, 2023.


(V.B.Pathak) IAS 28/1/2023
Chief Secretary,
Government of Sikkim.