



**Jammu & Kashmir Forest Department**  
**Office of the Pr. Chief Conservator of Forests & HoFF**  
**Government of Jammu & Kashmir**



Addl. Pr. Chief Conservator of Forests,  
Jammu

No. PCCF/FCA/3434/6029-29

Dated 01-09-2023

Sub: Work Program of Compensatory w.r.t. forest clearance for "Sawalkote HE Project" of Ramban Forest Division.

Ref: Your office communication No. CCF/J/Plg/23-24/44/1246-49 dated 22-07-2023.

Sir,

This is with reference to the above communication on the subject. In this regard, I am directed to convey the approval of the Pr.Chief Conservator of Forests & HoFF, J&K to the Compensatory Afforestation plan (technical approval) prepared by DFO Ramban in respect of forest clearance proposal for "Sawalkote HE Project", falling under the jurisdiction of Ramban Forest Division.

Yours faithfully

(S.Senthil Kumar) IFS

Addl. Pr. Chief Conservator of Forests

Nodal Officer (FCA)

Copy to:

1. Conservator of Forests, Chenab Circle Doda
2. Divisional Forest Officer, Ramban Forest Division
3. PS to Pr.CCF (HoFF) J&K for kind information of the Pr. Chief Conservator of Forests (HoFF) J&K

No:- 5597 / cfc Dtd:- 02-09-2023

Copy to DFO Ramban for info & n/a

✓ S. Senthil Kumar  
Chenab HE



**Jammu and Kashmir Forest Department**  
**OFFICE OF THE DIVISIONAL FOREST OFFICER**  
**RAMBAN FOREST DIVISION, RAMBAN**

Tel./Fax-01998-266623, Email-dforamban@gmail.com

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**The Conservator of Forests,**  
**Chenab Circle,**  
**Doda.**

No. RFD/FCA/SHP/2023-34/3565-70

Dated: 19/07/2023

**Subject:- Sawalkote Hydroelectric Project (SHEP) Proposal No. FP/JK/HYD/150591/2021-request for approval of the CA plans-Revised information**  
**Sir,**

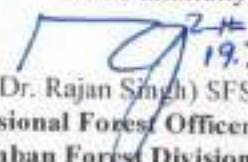
In continuation to this office No. RFD/FCA/SHP/2023-34/3234-39 Dated: 11/07/2023, kindly find enclosed herewith the Compensatory Afforestation Plans (CA) on double degraded Forest land in lieu of forest land diverted for **Sawalkote Hydroelectric Project (SHEP) Proposal No. FP/JK/HYD/150591/2021** in reference to the clarification issued by the MoEF & CC IRO Vide File No. 16-01/2022/Jammu Dated: -06-03-2023. The forest area proposed to be diverted for the said project in Ramban Forest Division is **332.28 ha**. The CA plans have been prepared over an area of **772.14 ha** with effective plantation area **665 ha** excluding area already under existing crop. Since the proposed CA plans included plantation of **5.47 lacs** plants and this Division has not the existing nursery capacity to raise such large quantum of the plants in addition to regular targets, the proposals have also been submitted for establishment of the New Nurseries over an area of **4.69 ha**. For mobility and patrolling of the areas, 01 No. of Vehicles have also been proposed for watering of plants, firefighting operations, transportation of plants

| S. No.       | Components of CA plan  | Area (Ha) | Amount (In lacs)  | Remarks                                     |
|--------------|--|-----------|-------------------|---|
| 1            | CA plans involving 61 Units  | 772.14 ha | 1482.33173        | Details enclosed as <b>Annexure-A</b>       |
| 2            | Proposal for establishment of New Nurseries (7 No.)  | 4.69 ha   | 288.634           | Details enclosed as <b>Annexure-B</b>       |
| 3            | Provision for purchase of Vehicle for watering of plants, firefighting operations, transportation of plants etc. | 01 No.    | 15.00             | Justification enclosed as <b>Annexure-C</b> |
| <b>Total</b> |  |           | <b>1785.96573</b> | <b>Lacs</b>                                 |

It is therefore requested that approval of all components of Compensatory Afforestation Plans may kindly be issued an earliest please for further necessary action.

**Enclosure:-** CA Plan 61 No. (186 Leaves)  
 Kml files=61 No.

Yours faithfully,

  
 (Dr. Rajan Singh) SFS  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

Copy submitted to the **Chief Conservator of Forests, Jammu** for information and kind perusal.  
 Copy to **Range Officers Ramban, Banihal, Gool, SC Range Banihal** for information and necessary action. This is in reference to your office No. 581/Rbn Dated:-10-07-2023, 166/Bnl Dated:-10-07-2023, 274/GR Dated:-10-07-2023 and 85/SC Dated:-10-07-2023 respectively.

### ABSTRACT OF Compensatory Afforestation PLANS

| S. No. | Range   | Block    | Name of the Compartment and Unit | Area (In Hectare) | Density | Area under density | Effective area for Plantation | Fencing | PB Plants | NR Plants | Patch Sowing | Dibbling | Grass slips | DRSM | Fireline (in KMs) | Inspection Path (in KMs) | Water Harvesting Structure | Crates | Amount of the CA (in Lacs) |
|--------|---------|----------|----------------------------------|-------------------|---------|--------------------|-------------------------------|---------|-----------|-----------|--------------|----------|-------------|------|-------------------|--------------------------|----------------------------|--------|----------------------------|
| 1      | Banihal | Banihal  | 43/B, Arandar/Kaskoot            | 7.0327            | 0.10    | 0.70               | 6.33                          | 5700    | 2400      | 2000      | 1000         | 1000     | -           | -    | -                 | 0.7                      | -                          | -      | 18.58951                   |
| 2      | Banihal | Doligam  | 47/B, Chanjloo                   | 20.0371           | 0.05    | 1.00               | 19.04                         | 5600    | 9000      | 6000      | 2000         | 2000     | 5000        | 50   | -                 | 2.0                      | 1                          | -      | 30.56092                   |
| 3      | Banihal | Doligam  | 51/B, Guthal/Doligam Lower       | 10.0298           | 0.05    | 0.50               | 9.53                          | 4486    | 4000      | 3000      | 1000         | 1550     | -           | 150  | -                 | 1.0                      | 1                          | -      | 23.57779                   |
| 4      | Banihal | Mohu     | 34/B, Bajnari/Mohu Upper (I)     | 15.9999           | 0.10    | 1.60               | 14.40                         | 7400    | 5200      | 7000      | 1500         | 1500     | -           | 50   | -                 | 1.5                      | -                          | -      | 30.6859                    |
| 5      | Banihal | Mohu     | 34/B, Bajnari/Mohu Upper (II)    | 9.0362            | 0.05    | 0.45               | 8.58                          | 5800    | 4584      | 3000      | 500          | 500      | -           | 50   | -                 | 0.9                      | -                          | -      | 24.85605                   |
| 6      | Banihal | Mohu     | 39/B, Tanka/Trigam Upper         | 10.0738           | 0.10    | 1.01               | 9.07                          | 5400    | 4570      | 4000      | 500          | 500      | -           | 50   | 1                 | 1                        | -                          | -      | 25.11219                   |
| 7      | Banihal | Mohu     | 23b/B, Buzlla/Trigam Upper       | 9.9961            | 0.20    | 2.00               | 8.00                          | 5600    | 3500      | 3000      | 1000         | 1000     | -           | 100  | -                 | 1                        | -                          | -      | 21.11792                   |
| 8      | Banihal | Mohu     | 25/B, Hijwa/Trigam Upper         | 6.0995            | 0.05    | 0.30               | 5.79                          | 3400    | 3000      | 2000      | 500          | 600      | -           | -    | -                 | 0.6                      | 1                          | -      | 18.35487                   |
| 9      | Banihal | Mohu     | 37a/B, Mangit                    | 7.0357            | 0.15    | 1.06               | 5.98                          | 5800    | 3000      | 2000      | 500          | 900      | -           | 50   | -                 | 0.7                      | 1                          | -      | 23.0387                    |
| 10     | Banihal | Sarbagni | 9b/B, Gadnallah/Shagan           | 24.9851           | 0.30    | 7.50               | 17.49                         | 7700    | 10042     | 9000      | 5000         | 3000     | -           | 200  | 1                 | 2.4                      | 1                          | -      | 38.85392                   |
| 11     | Banihal | Sarbagni | 4/B, Palbass/Sarbagni (I)        | 30.0474           | 0.10    | 3.00               | 27.04                         | 10000   | 10545     | 10000     | 5000         | 3000     | -           | 100  | -                 | 3                        | -                          | -      | 39.09441                   |
| 12     | Banihal | Sarbagni | 4/B, Palbass/Sarbagni (II)       | 12.9644           | 0.05    | 0.65               | 12.32                         | 7500    | 5964      | 4000      | 1500         | 1500     | -           | 100  | -                 | 1.2                      | -                          | -      | 26.88371                   |
| 13     | Banihal | Sarbagni | 1/B, Lorna/Sumber (I)            | 22.0529           | 0.20    | 4.41               | 17.64                         | 6700    | 4847      | 8000      | 3500         | 3500     | -           | 100  | 0.5               | 2.2                      | 1                          | -      | 31.24501                   |
| 14     | Banihal | Sarbagni | 1/B, Lorna/Sumber (II)           | 23.9763           | 0.10    | 2.40               | 21.58                         | 7300    | 5578      | 8500      | 4000         | 3500     | -           | 100  | 0.5               | 2.3                      | -                          | -      | 33.15521                   |
| 15     | Gool    | Gool     | 25/Ar, Muthgala/Kalimasta        | 22.0448           | 0.10    | 2.20               | 19.84                         | 9200    | 10000     | 5841      | 2000         | 2000     | -           | 100  | 1                 | 2.2                      | 1                          | -      | 39.26658                   |
| 16     | Gool    | Gool     | 35/Ar, Dugsar/Gool-Parthmulla    | 7.00942           | 0.10    | 0.70               | 6.31                          | 3750    | 3514      | 1500      | 800          | 500      | -           | 100  | 1.5               | 0.7                      | -                          | 50     | 23.01176                   |
| 17     | Gool    | Gool     | 26/Ar, Narsinga/Gool Jamman      | 10.4039           | 0.10    | 1.04               | 9.36                          | 5200    | 5000      | 2364      | 1000         | 1000     | -           | 100  | -                 | 1                        | 1                          | -      | 24.70264                   |
| 18     | Gool    | Gool     | 29/Ar, Google Pathri/Gool-A      | 13.0689           | 0.05    | 0.65               | 12.42                         | 5350    | 6500      | 4000      | 1000         | 1000     | -           | 100  | -                 | 1.3                      | 1                          | -      | 26.96224                   |
| 19     | Gool    | Dhedha   | 59/Ar, Dagantop/Dachan (I)       | 10.9864           | 0.05    | 0.55               | 10.44                         | 6500    | 6000      | 2437      | 1000         | 1000     | -           | 100  | -                 | 1                        | -                          | 8      | 25.06431                   |
| 20     | Gool    | Dhedha   | 59/Ar, Dagantop/Dachan (II)      | 14.0434           | 0.10    | 1.40               | 12.64                         | 5300    | 7000      | 3351      | 1500         | 1500     | -           | 120  | -                 | 1.4                      | -                          | 8      | 24.83191                   |
| 21     | Gool    | Dhedha   | 59/Ar, Soomwali/Gool-C           | 11.027            | 0.10    | 1.10               | 9.92                          | 4600    | 5300      | 2673      | 1000         | 1000     | -           | 50   | -                 | 1.1                      | 1                          | -      | 23.37467                   |
| 22     | Gool    | Dhedha   | 61/Ar, Chamwali/Gool-C           | 18.9011           | 0.10    | 1.89               | 17.01                         | 7000    | 8266      | 6000      | 1400         | 1400     | -           | -    | -                 | 1.8                      | 1                          | -      | 31.24641                   |

|    |        |           |                                     |         |      |      |       |      |      |       |      |      |      |     |     |     |   |   |          |
|----|--------|-----------|-------------------------------------|---------|------|------|-------|------|------|-------|------|------|------|-----|-----|-----|---|---|----------|
| 23 | Gool   | Dhedha    | 64/Ar, Darsa/Dhedha                 | 6.0245  | 0.05 | 0.30 | 5.72  | 3100 | 2000 | 1500  | 1224 | 1000 | -    | 100 | -   | 0.6 | 1 | 5 | 18.69975 |
| 24 | Gool   | Dhedha    | 62/Ar, Kathiawali/Dedha Dachan      | 4.0279  | 0.05 | 0.20 | 3.83  | 2900 | 1200 | 1000  | 800  | 826  | -    | -   | -   | 0.4 | - | - | 12.28977 |
| 25 | Gool   | Sangaldan | 8/Ar, Meghdhar/Sumber Upper-B       | 11.0914 | 0.10 | 1.11 | 9.98  | 4700 | 1782 | 6000  | 1200 | 1000 | -    | -   | -   | 1.1 | - | - | 18.92937 |
| 26 | Gool   | Sangaldan | 7/Ar, Muradbass/Sumber Upper-A (I)  | 9.9986  | 0.10 | 1.00 | 9.00  | 5400 | 500  | 5000  | 2000 | 2000 | -    | -   | -   | 0.9 | - | - | 18.63049 |
| 27 | Gool   | Sangaldan | 7/Ar, Muradbass/Sumber Upper-A (II) | 25.0712 | 0.10 | 2.51 | 22.56 | 7100 | 2564 | 15000 | 2500 | 2500 | -    | -   | -   | 2   | - | - | 29.2419  |
| 28 | Gool   | Sangaldan | 8/Ar, Jignabass/Sumber Upper-B      | 27.9519 | 0.10 | 2.80 | 25.16 | 9600 | 4554 | 13000 | 4500 | 4500 | -    | -   | -   | 2   | - | - | 34.06914 |
| 29 | Gool   | Sangaldan | 8/Ar, Gagar/Sumber Upper-B          | 10.0939 | 0.10 | 1.01 | 9.08  | 4900 | 0    | 5084  | 2000 | 2000 | -    | 100 | -   | 1   | - | - | 18.73301 |
| 30 | Gool   | Sangaldan | 51/Ar, Sharora Brala/Seripura       | 15.2903 | 0.20 | 3.06 | 12.23 | 5800 | 6562 | 5000  | 1200 | 1000 | 1000 | 300 | 1   | 1.5 | - | - | 27.94598 |
| 31 | Gool   | Sangaldan | 38/Ar, Gwadi/Dalwah Lower           | 15.0734 | 0.15 | 2.26 | 12.81 | 5350 | 6367 | 5000  | 1200 | 1000 | 1000 | 100 | 1   | 1.5 | - | 5 | 25.18322 |
| 32 | Ramban | Ramban    | 46/R, Taraag/Kainthi                | 9.0368  | 0.15 | 1.36 | 7.68  | 4000 | 4000 | 2000  | 1000 | 1000 | 1000 | 100 | 1.5 | 1   | 1 | - | 22.24407 |
| 33 | Ramban | Ramban    | 53/R, Gullel                        | 5.0694  | 0.05 | 0.25 | 4.82  | 4800 | 2000 | 1850  | 500  | 500  | -    | 80  | -   | 0.5 | - | - | 17.49753 |
| 34 | Ramban | Ramban    | 40/R, Phagila/Gam                   | 5       | 0.05 | 0.25 | 4.75  | 4800 | 2000 | 1450  | 800  | 500  | 1000 | 100 | -   | 0.5 | 1 | - | 20.944   |
| 35 | Ramban | Ramban    | 45/R, Shargali/Kainthi              | 10.1002 | 0.30 | 3.03 | 7.07  | 4100 | 1600 | 4585  | 1200 | 1200 | -    | -   | 0.5 | 1   | - | - | 17.12444 |
| 36 | Ramban | Ramban    | 51/R, Karoot/Demote                 | 5.9976  | 0.05 | 0.30 | 5.70  | 3900 | 1198 | 3500  | 500  | 500  | -    | -   | 0.5 | 0.5 | 1 | - | 18.82581 |
| 37 | Ramban | Ramban    | 40/R, Gam                           | 6.0117  | 0.10 | 0.60 | 5.41  | 3800 | 1000 | 2910  | 900  | 600  | -    | -   | 0.5 | 0.6 | 1 | - | 18.26929 |
| 38 | Ramban | Ramban    | 36/R, Bradgadi                      | 7.0073  | 0.20 | 1.40 | 5.61  | 4500 | 1300 | 3800  | 857  | 700  | -    | 100 | 0.5 | 0.7 | - | - | 18.12295 |
| 39 | Ramban | Bhangara  | 35/R, Dardhaee/Sujmatna             | 10.9533 | 0.40 | 4.38 | 6.57  | 5900 | 4500 | 3505  | 1200 | 1200 | -    | 80  | 0.5 | 1   | 1 | - | 25.52242 |
| 40 | Ramban | Bhangara  | 35/R, Ahama/Sujmatna                | 6.0105  | 0.10 | 0.60 | 5.41  | 3700 | 2710 | 1800  | 600  | 600  | -    | 80  | 0.5 | 0.6 | 1 | - | 19.68327 |
| 41 | Ramban | Bhangara  | 24/R, Chiwlee/Senabetti             | 5.0371  | 0.10 | 0.50 | 4.53  | 3800 | 2500 | 1500  | 500  | 500  | -    | 80  | -   | 0.5 | - | - | 15.9723  |
| 42 | Ramban | Bhangara  | 27/R, Dal/Bhangara                  | 16.0981 | 0.10 | 1.61 | 14.49 | 5005 | 7000 | 5000  | 2000 | 2000 | -    | 100 | -   | 1.6 | - | - | 24.28518 |
| 43 | Ramban | Bhangara  | 31/R, Chamhal/Bhangara              | 9.0016  | 0.20 | 1.80 | 7.20  | 4400 | 3500 | 2500  | 1000 | 1100 | -    | 80  | -   | 0.9 | - | - | 18.60526 |
| 44 | Ramban | Neel      | 9/R, Daganbass/Neel-D               | 14.9838 | 0.10 | 1.50 | 13.49 | 5600 | 5485 | 5000  | 1500 | 1500 | -    | 50  | -   | 1.5 | - | - | 23.54008 |
| 45 | Ramban | Neel      | 9/R, Daing Pathri/Neel-D            | 8.0488  | 0.10 | 0.80 | 7.24  | 6000 | 3300 | 1750  | 1200 | 1000 | -    | 100 | -   | 0.8 | 1 | - | 24.18749 |
| 46 | Ramban | Neel      | 9/R, Digwan Sargali /Neel-D         | 12.213  | 0.10 | 1.22 | 10.99 | 5000 | 4000 | 3000  | 2000 | 2000 | -    | 350 | -   | 0.8 | 1 | - | 26.90072 |
| 47 | Ramban | Pogal     | 17a/R, Panjwalli Behak/Maligam-A    | 10.0565 | 0.10 | 1.01 | 9.05  | 4600 | 3553 | 5000  | 500  | 500  | -    | 100 | -   | 1.3 | - | - | 20.57203 |
| 48 | Ramban | Pogal     | 19a/R, Googlidhar/Hoochak           | 13.0865 | 0.05 | 0.65 | 12.43 | 6700 | 4000 | 6432  | 1000 | 1000 | -    | 150 | -   | 1.3 | - | - | 26.04424 |
| 49 | Ramban | Pogal     | 19a/R, Gall Katai/Hoochak           | 20.092  | 0.10 | 2.01 | 18.08 | 6700 | 4000 | 10087 | 2500 | 2500 | -    | 150 | -   | 2   | - | - | 28.68266 |

|              |               |            |  |               |            |                 |            |               |               |               |              |              |              |             |             |           |           |           |                   |
|--------------|---------------|------------|--|---------------|------------|-----------------|------------|---------------|---------------|---------------|--------------|--------------|--------------|-------------|-------------|-----------|-----------|-----------|-------------------|
| 50           | Ramban        | Rajgarh    | 48/R, Kanabathi/Jhatgali-B                   | 6.1083        | 0.30       | 1.83            | 4.28       | 5100          | 1600          | 2592          | 500          | 500          | -            | 100         | -           | 0.6       | -         | -         | 18.41221          |
| 51           | Ramban        | Rajgarh    | 61/R, Noshi<br>Dhandrath/Dhandrath-B         | 13.0659       | 0.40       | 5.23            | 7.84       | 5600          | 3000          | 6935          | 1500         | 1500         | -            | 150         | 0.5         | 1.3       | -         | -         | 23.99236          |
| 52           | Ramban        | Rajgarh    | 65/R, Batta (Kundi)/Chakka A<br>1            | 12.1755       | 0.20       | 2.44            | 9.74       | 7400          | 3000          | 6053          | 1500         | 1500         | -            | 100         | 0.5         | 1.2       | 1         | -         | 29.14638          |
| 53           | Ramban        | Rajgarh    | 63/R, Marag,<br>Chabla/Dhandrath-B (I)       | 10.0444       | 0.05       | 0.50            | 9.54       | 4220          | 5000          | 3000          | 1000         | 1000         | -            | 200         | -           | 1         | -         | -         | 21.13539          |
| 54           | Ramban        | Rajgarh    | 47/Ramban, Chakwa<br>Nallah/Sildhar          | 21.0933       | 0.20       | 4.22            | 16.87      | 10000         | 6000          | 10000         | 2600         | 3000         | 5000         | 100         | 0.5         | 2         | 1         | -         | 38.79634          |
| 55           | SC<br>Banihal | SC Banihal | 46/B, Zaban (I)                              | 6.0336        | 0.20       | 1.21            | 4.83       | 3800          | 1732          | 2000          | 1000         | 1000         | 500          | 50          | 0.5         | 0.6       | 1         | -         | 18.97591          |
| 56           | SC<br>Banihal | SC Banihal | 46/B, Zaban (II)                             | 2.1911        | 0.05       | 0.11            | 2.08       | 2150          | 582           | 1000          | 250          | 250          | 500          | 25          | 1           | 0.2       | -         | -         | 11.05369          |
| 57           | SC<br>Banihal | SC Banihal | 42/B, Khundartop Lal<br>Pathar/Krawa Chachal | 20.0199       | 0.20       | 4.00            | 16.02      | 6300          | 4019          | 12000         | 1500         | 1500         | 500          | 50          | 2           | 2         | -         | -         | 28.41898          |
| 58           | SC<br>Banihal | SC Ramban  | 17/R, Sanaseri/Basin (I)                     | 25.0983       | 0.20       | 5.02            | 20.08      | 6300          | 5588          | 12000         | 2500         | 2500         | -            | 40          | -           | 2.5       | -         | -         | 29.1816           |
| 59           | SC<br>Banihal | SC Ramban  | 17/R, Sanaseri/Basin (II)                    | 24.9896       | 0.30       | 7.50            | 17.49      | 6400          | 5490          | 12000         | 2500         | 2500         | -            | 40          | -           | 2.5       | -         | -         | 29.22648          |
| 60           | SC<br>Banihal | SC Ramban  | 46/R, Neera                                  | 10.0215       | 0.10       | 1.00            | 9.02       | 5553          | 4500          | 3000          | 1000         | 500          | 500          | 50          | 0.5         | 1         | -         | -         | 21.32188          |
| 61           | SC<br>Banihal | SC Ramban  | 39/R, Digdole (II)                           | 6.019         | 0.10       | 0.60            | 5.42       | 5200          | 2000          | 2000          | 700          | 1000         | -            | 50          | 0.6         | 1         | -         | -         | 18.33751          |
| <b>Total</b> |               |            |  | <b>772.14</b> | <b>7.9</b> | <b>107.3073</b> | <b>665</b> | <b>339464</b> | <b>253496</b> | <b>294499</b> | <b>90131</b> | <b>84926</b> | <b>16000</b> | <b>5025</b> | <b>18.1</b> | <b>75</b> | <b>23</b> | <b>76</b> | <b>1482.33173</b> |

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban



| COMPENSATORY AFFORESTATION PLAN  |  |       |        |
|--|--|-------|--------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)  |       |        |
| File No:   | FP/JK/HYD/150591/2021  |       |        |
| Date of Proposal:  | 31-12-2021   |       |        |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division   |       |        |
| Forest area to be diverted:  | 332.28   | Ha    |        |
| Forest/NFA to be planted   | NA   |       |        |
| No. of trees to be felled  | 79412  |       |        |
| No. of poles/plants to be damaged  | 192617   |       |        |
| Total No. of plants to be planted  | 664560   |       |        |
| No. of plants to be planted in this Unit   | 4400   |       |        |
| Details of land where C.A. is to be carried out:   |  |       |        |
| Degraded forest land   | Yes  | Area: | 7.0327 |
| Non-forest land  | NA   | Area: | NA     |
| Forest Division  | Ramban   |       |        |
| Range :  | Banihal  |       |        |
| Compartment  | 43/Banihal   |       |        |
| Khasra No. (for non-forest land)   | NA   |       |        |
| CA site  | Arandar/Kaskoot  |       |        |
| CA site (Area)   | 7.0327   |       |        |
| C.A Site Geo Coordinates:  |  |       |        |
| (i) Starting point   | Latitude:- 33°27'13.59"N Longitude:- 75°10'16.54"E                                     |       |        |
| (ii) End Point   | Latitude:- 33°27'8.32"N Longitude:- 75°10'41.72"E                                      |       |        |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |       | NA     |
| a) Soil type:  | Clayey to sandy loam   |       |        |
| b) Topography: hilly/undulating/plain:   | Hilly  |       |        |
| c) Slope: Steep/medium/gentle:   | Medium   |       |        |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA   |       |        |
| e) In case of degraded forest land- description of forest type and crown density:  | 12/C1f-Low level blue Pine Forests and 0.10 crown density.(Reboisement Working Circle) |       |        |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 7.0327          | rft  | 5700     | 135              | 7.69500             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Kikar (Robina pseudoacacia) and other broad leaved species  |   |                 | No.  | 2400     | 29.34            | 0.70416             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 2000     | 23.17            | 0.46340             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 1000     | 6.99             | 0.06990             |
| 5     | Dibbling in Patches of HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   |                 | No.  | 1000     | 7.18             | 0.07180             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 0.7      | 45221            | 0.31655             |
| 7     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 2400     | 8.03             | 0.19272             |
| 8     | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 2000     | 7.44             | 0.14880             |
| 9     | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 2400     | 2.66             | 0.06384             |
| 10    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 2400     | 2.66             | 0.06384             |
| 11    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 2400     | 3.83             | 0.09192             |
| 12    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 1100 | 25%      | 29.34            | 0.32274             |
|       |  | 3rd year maintenance of the plantation  | No.             | 440  | 10%      | 29.34            | 0.12910             |
|       |  | 4th year maintenance of the plantation  | No.             | 220  | 5%       | 29.34            | 0.06455             |
|       |  | 5th year maintenance of the plantation  | No.             | 220  | 5%       | 29.34            | 0.06455             |
|       |  | 6th year maintenance of the plantation  | No.             | 220  | 5%       | 29.34            | 0.06455             |
|       |  | 7th year maintenance of the plantation  | No.             | 220  | 5%       | 29.34            | 0.06455             |
|       |  | 8th year maintenance of the plantation  | No.             | 220  | 5%       | 29.34            | 0.06455             |
|       |  | 9th year maintenance of the plantation  | No.             | 220  | 5%       | 29.34            | 0.06455             |
|       |  | 10th year maintenance of the plantation | No.             | 220  | 5%       | 29.34            | 0.06455             |
|       |  | 3rd year Fencing repair                 | Rft             | 1900 |          | 16.74            | 0.31806             |
|       |  | 5th year Fencing repair                 | Rft             | 3800 |          | 16.74            | 0.63612             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>11.73978</b>     |
| 13    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825 |          | 311              | 5.67575             |
| 14    | Overhead/Miscallenious charges   |   |                 |      | LS       |                  | 1.17398             |
|       | <b>G.Total</b>   |   |                 |      |          |                  | <b>18.58951</b>     |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| a   | General details   | An area of 7.0327 ha with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in Co 43/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Kikar (Robina pseudoacacia) and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs  |
| d   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, Melia azarachtica (Dhreenkh) etc.   |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| i   | Any other information   | Nil  |

  
**Block Officer**  
**B.O Banihal**

  
**Range Officer Banihal**  
**Range Officer**  
**Forest Banihal**

  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Ramban**



## COMPENSATORY AFFORESTATION PLAN

|   |   |   |                |
|---|---|---|----------------|
| <b>Full title of the Forest land Diversion project</b>  | <b>Sawalkot HE Project (1856 MW)</b>                      |   |                |
| <b>File No:</b>   | <b>FP/JK/HYD/150591/2021</b>                              |   |                |
| <b>Date of Proposal:</b>  | <b>31-12-2021</b>   |   |                |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>  | <b>Ramban Forest Division</b>                             |   |                |
| <b>Forest area to be diverted:</b>  | <b>332.28</b>   | <b>Ha</b>   |                |
| <b>Forest/NFA to be planted</b>   | <b>NA</b>   |   |                |
| <b>No. of trees to be felled</b>  | <b>79412</b>  |   |                |
| <b>No. of poles/plants to be damaged</b>  | <b>192617</b>   |   |                |
| <b>Total No. of plants to be planted</b>  | <b>664560</b>   |   |                |
| <b>No. of plants to be planted in this Unit</b>   | <b>15000</b>  |   |                |
| <b>Details of land where C.A. is to be carried out:</b>   |   |   |                |
| <b>Degraded forest land</b>   | <b>Yes</b>  | <b>Area:</b>  | <b>20.0371</b> |
| <b>Non-forest land</b>  | <b>NA</b>   | <b>Area:</b>  | <b>NA</b>      |
| <b>Forest Division</b>  | <b>Ramban</b>   |   |                |
| <b>Range :</b>  | <b>Banihal</b>  |   |                |
| <b>Compartment</b>  | <b>47/Banihal</b>   |   |                |
| <b>Khasra No. (for non-forest land)</b>   | <b>NA</b>   |   |                |
| <b>CA site</b>  | <b>Chanjalo /Chanjloo</b>                                 |   |                |
| <b>CA site (Area)</b>   | <b>20.0371</b>  |   |                |
| <b>C.A Site Geo Coordinates:</b>  |   |   |                |
| <b>(i) Starting point</b>   | <b>Latitude:- 33°27'22.70"N Longitude:- 75°13'2.89"E</b>  |   |                |
| <b>(ii) End Point</b>   | <b>Latitude:- 33°27'26.91"N Longitude:- 75°13'23.45"E</b> |   |                |
| <b>In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary :</b> |   |   | <b>NA</b>      |
| <b>a) Soil type:</b>  |   | <b>Clayey to sandy loam</b>   |                |
| <b>b) Topography: hilly/undulating/plain:</b>   |   | <b>Hilly</b>  |                |
| <b>c) Slope: Steep/medium/gentle:</b>   |   | <b>Medium</b>   |                |
| <b>d) For non-forest land - description of existing vegetation/root stock and density :</b>                                     |   | <b>NA</b>   |                |
| <b>e) In case of degraded forest land- description of forest type and crown density:</b>  |   | <b>12/C1f-Low level blue Pine Forests and 5% crown density.(Reboisement Working Circle)</b> |                |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 20.04           | rft  | 5600     | 135              | 7.56000             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Kikar (Robina pseudoacacia) and other broad leaved species  |   |                 | No.  | 9000     | 29.34            | 2.64060             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 6000     | 23.17            | 1.39020             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 2000     | 6.99             | 0.13980             |
| 5     | Dibbling in Patches of HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   |                 | No.  | 2000     | 7.18             | 0.14360             |
| 6     | Sowing of grass slips in patches   |   |                 | No.  | 5000     | 6.35             | 0.31750             |
| 7     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 2        | 45221            | 0.90442             |
| 8     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 50       | 1099             | 0.54950             |
| 9     | Construction of Water harvesting Structure (pond)  |   |                 | No.  | 1        | L/S              | 3.00000             |
| 10    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 9000     | 8.03             | 0.72270             |
| 11    | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 6000     | 7.44             | 0.44640             |
| 12    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 9000     | 2.66             | 0.23940             |
| 13    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 9000     | 2.66             | 0.23940             |
| 14    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 9000     | 3.83             | 0.34470             |
| 15    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 3750 | 25%      | 29.34            | 1.10025             |
|       |  | 3rd year maintenance of the plantation  | No.             | 1500 | 10%      | 29.34            | 0.44010             |
|       |  | 4th year maintenance of the plantation  | No.             | 750  | 5%       | 29.34            | 0.22005             |
|       |  | 5th year maintenance of the plantation  | No.             | 750  | 5%       | 29.34            | 0.22005             |
|       |  | 6th year maintenance of the plantation  | No.             | 750  | 5%       | 29.34            | 0.22005             |
|       |  | 7th year maintenance of the plantation  | No.             | 750  | 5%       | 29.34            | 0.22005             |
|       |  | 8th year maintenance of the plantation  | No.             | 750  | 5%       | 29.34            | 0.22005             |
|       |  | 9th year maintenance of the plantation  | No.             | 750  | 5%       | 29.34            | 0.22005             |
|       |  | 10th year maintenance of the plantation | No.             | 750  | 5%       | 29.34            | 0.22005             |
|       |  | 3rd year Fencing repair                 | Rft             | 1800 |          | 16.74            | 0.30132             |
|       |  | 5th year Fencing repair                 | Rft             | 3600 |          | 16.74            | 0.60264             |
|       | Total  |   |                 |      |          |                  | 22.62288            |

|  |   |   |      |    |                 |
|--|---|---|------|----|-----------------|
| 16   | Watch and Ward of clouser for 5 years.                          | M.days  | 1825 |    | 67575           |
| 17   | Overhead/Miscallenious charges                                  |   |      | LS | 26229           |
|  | <b>G.Total</b>  |   |      |    | <b>30.56092</b> |
| <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |   |      |    |                 |
| a  | General details   | An area of 0 ha with crown density 5 % will be taken under Compensatory Afforestation Scheme in Co 47/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Kikar (Robina pseudoacacia) and other broad leaved species will be planted in the area |      |    |                 |
| b  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualitites and repair of fencing will be done. The plantation will be rain fed.  |      |    |                 |
| c  | Spacing   | 2.5 mtrs*2.5 mtrs   |      |    |                 |
| d  | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, Melia azarachtica (Dhreenkh) etc.  |      |    |                 |
| e  | Silvicultural Operation   | The land is alomost barren. It does not require any silviculture operation except protection  |      |    |                 |
| f  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |      |    |                 |
| g  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |      |    |                 |
| h  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |      |    |                 |
| i  | Any other information   | Nil   |      |    |                 |

  
B. A. Bhat  
Block Officer  
Banihal Forest Division

  
Range Officer Banihal  
Range Officer  
Forest Banihal

  
Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |       |         |
|--|--|-------|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)  |       |         |
| File No:   | FP/JK/HYD/150591/2021  |       |         |
| Date of Proposal:  | 31-12-2021   |       |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division   |       |         |
| Forest area to be diverted:  | 332.28   | Ha    |         |
| Forest/NFA to be planted   | NA   |       |         |
| No. of trees to be felled  | 79412  |       |         |
| No. of poles/plants to be damaged  | 192617   |       |         |
| Total No. of plants to be planted  | 664560   |       |         |
| No. of plants to be planted in this Unit   | 7000   |       |         |
| Details of land where C.A. is to be carried out:   |  |       |         |
| Degraded forest land   | Yes  | Area: | 10.0298 |
| Non-forest land  | NA   | Area: | NA      |
| Forest Division  | Ramban   |       |         |
| Range :  | Banihal  |       |         |
| Compartment  | 51/Banihal   |       |         |
| Khasra No. (for non-forest land)   | NA   |       |         |
| CA site  | Guthal/Doligam Lower   |       |         |
| CA site (Area)   | 10.0298  |       |         |
| C.A Site Geo Coordinates:  |  |       |         |
| (i) Starting point   | Latitude:- 33°25'31.88"N Longitude:- 75°13'52.03"E                                       |       |         |
| (ii) End Point   | Latitude:- 33°25'27.51"N Longitude:- 75°14'8.66"E  |       |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |       | NA      |
| a) Soil type:  | Clayey to sandy loam   |       |         |
| b) Topography: hilly/undulating/plain:   | Hilly  |       |         |
| c) Slope: Steep/medium/gentle:   | Medium   |       |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA   |       |         |
| e) In case of degraded forest land- description of forest type and crown density:  | 12/C1f-Low level blue Pine Forests and 0.05 crown density.(Fir Selection Working Circle) |       |         |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 10.03           | rft  | 4486     | 135              | 6.05610             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Kikar (Robina pseudoacacia) and other broad leaved species  |   |                 | No.  | 4000     | 29.34            | 1.17360             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 3000     | 23.17            | 0.69510             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 1000     | 6.99             | 0.06990             |
| 5     | Dibbling in Patches of HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   |                 | No.  | 1550     | 7.18             | 0.11129             |
| 6     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 150      | 1099             | 1.64850             |
| 7     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 1        | 45221            | 0.45221             |
| 8     | Construction of Water harvesting Structure (pond)  |   |                 | No.  | 1        | L/S              | 3.00000             |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 4000     | 8.03             | 0.32120             |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 3000     | 7.44             | 0.22320             |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 4000     | 2.66             | 0.10640             |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 4000     | 2.66             | 0.10640             |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 4000     | 3.83             | 0.15320             |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 1750 | 25%      | 29.34            | 0.51345             |
|       |  | 3rd year maintenance of the plantation  | No.             | 700  | 10%      | 29.34            | 0.20538             |
|       |  | 4th year maintenance of the plantation  | No.             | 350  | 5%       | 29.34            | 0.10269             |
|       |  | 5th year maintenance of the plantation  | No.             | 350  | 5%       | 29.34            | 0.10269             |
|       |  | 6th year maintenance of the plantation  | No.             | 350  | 5%       | 29.34            | 0.10269             |
|       |  | 7th year maintenance of the plantation  | No.             | 350  | 5%       | 29.34            | 0.10269             |
|       |  | 8th year maintenance of the plantation  | No.             | 350  | 5%       | 29.34            | 0.10269             |
|       |  | 9th year maintenance of the plantation  | No.             | 350  | 5%       | 29.34            | 0.10269             |
|       |  | 10th year maintenance of the plantation | No.             | 350  | 5%       | 29.34            | 0.10269             |
|       |  | 3rd year Fencing repair                 | Rft             | 1400 |          | 16.74            | 0.23436             |
|       |  | 5th year Fencing repair                 | Rft             | 2900 |          | 16.74            | 0.48546             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>16.27458</b>     |
| 15    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825 |          | 311              | 5.67575             |
| 16    | Overhead/Miscallenious charges   |   |                 |      | LS       |                  | 1.62746             |
|       | <b>G.Total</b>   |   |                 |      |          |                  | <b>23.57779</b>     |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| a   | General details   | An area of 0.50149 ha with crown density 5% will be taken under Compensatory Afforestation Scheme in Co 51/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Kikar (Robina pseudoacacia) and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs  |
| d   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, Melia azarachtica (Dhreenkh) etc.   |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| i   | Any other information   | Nil  |

  
B. A. Bhattacharya  
Block Development Officer  
Banihal Range

  
Range Officer Banihal  
Range Officer  
Forest Banihal

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban



| COMPENSATORY AFFORESTATION PLAN  |  |  |         |
|--|--|--|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |  |         |
| File No:   | FP/JK/HYD/150591/2021                              |  |         |
| Date of Proposal:  | 31-12-2021   |  |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |  |         |
| Forest area to be diverted:  | 332.28   | Ha   |         |
| Forest/NFA to be planted   | NA   |  |         |
| No. of trees to be felled  | 79412  |  |         |
| No. of poles/plants to be damaged  | 192617   |  |         |
| Total No. of plants to be planted  | 664560   |  |         |
| No. of plants to be planted in this Unit   | 12200  |  |         |
| Details of land where C.A. is to be carried out:   |  |  |         |
| Degraded forest land   | Yes  | Area:  | 15.9999 |
| Non-forest land  | NA   | Area:  | NA      |
| Forest Division  | Ramban   |  |         |
| Range :  | Banihal  |  |         |
| Compartment  | 34/Banihal   |  |         |
| Khasra No. (for non-forest land)   | NA   |  |         |
| CA site  | Bajnari/Mohu Upper-I                               |  |         |
| CA site (Area)   | 15.9999  |  |         |
| C.A Site Geo Coordinates:  |  |  |         |
| (i) Starting point   | Latitude:- 33°27'30.01"N Longitude:- 75° 6'13.34"E |  |         |
| (ii) End Point   | Latitude:- 33°27'35.96"N Longitude:- 75° 6'3.45"E  |  |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |  | NA      |
| a) Soil type:  |  | Clayey to sandy loam   |         |
| b) Topography: hilly/undulating/plain:   |  | Hilly  |         |
| c) Slope: Steep/medium/gentle:   |  | Medium   |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA   |         |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1d-Western Mixed Coniferous Forests and <b>0.10</b> crown density.(Mixed Conifer Selection Working Circle) |         |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 15.9999         | rft  | 7400     | 135              | 9.99000             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |                 | No.  | 5200     | 29.34            | 1.52568             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 7000     | 23.17            | 1.62190             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 1500     | 6.99             | 0.10485             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |                 | No.  | 1500     | 7.18             | 0.10770             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 1.5      | 45221            | 0.67832             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 50       | 1099             | 0.54950             |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 5200     | 8.03             | 0.41756             |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 7000     | 7.44             | 0.52080             |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5200     | 2.66             | 0.13832             |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5200     | 2.66             | 0.13832             |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5200     | 3.83             | 0.19916             |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 3050 | 25%      | 29.34            | 0.89487             |
|       |  | 3rd year maintenance of the plantation  | No.             | 1220 | 10%      | 29.34            | 0.35795             |
|       |  | 4th year maintenance of the plantation  | No.             | 610  | 5%       | 29.34            | 0.17897             |
|       |  | 5th year maintenance of the plantation  | No.             | 610  | 5%       | 29.34            | 0.17897             |
|       |  | 6th year maintenance of the plantation  | No.             | 610  | 5%       | 29.34            | 0.17897             |
|       |  | 7th year maintenance of the plantation  | No.             | 610  | 5%       | 29.34            | 0.17897             |
|       |  | 8th year maintenance of the plantation  | No.             | 610  | 5%       | 29.34            | 0.17897             |
|       |  | 9th year maintenance of the plantation  | No.             | 610  | 5%       | 29.34            | 0.17897             |
|       |  | 10th year maintenance of the plantation | No.             | 610  | 5%       | 29.34            | 0.17897             |
|       |  | 3rd year Fencing repair                 | Rft             | 3400 |          | 16.74            | 0.56916             |
|       |  | 5th year Fencing repair                 | Rft             | 4000 |          | 16.74            | 0.66960             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>22.73650</b>     |
| 14    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825 |          | 311              | 5.67575             |
| 15    | Overhead/Miscallenious charges   |   |                 |      | LS       |                  | 2.27365             |

|   |  |  |  |  |  |                 |
|---|--|--|--|--|--|-----------------|
|   | <b>G.Total</b>   |  |  |  |  | <b>30.68590</b> |
|   | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |  |  |  |  |                 |
| a | General details  | An area of 15.9999 ha with crown density 10 % will be taken under Compensatory Afforestation Scheme in Co 34/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |  |  |  |                 |
| b | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |  |  |  |                 |
| c | Spacing  | 2.5 mtrs*2.5 mtrs  |  |  |  |                 |
| d | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |  |  |  |                 |
| e | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection  |  |  |  |                 |
| f | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |  |  |  |                 |
| g | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc   |  |  |  |                 |
| h | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |  |  |  |                 |
| i | Any other information  | Nil  |  |  |  |                 |

  
**Showket Ali Tantary**  
 Block officer  
 Block... ..mohu ...

  
**Range Officer Banihal**  
**Range Officer**  
**Forest Banihal**

  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Divisional Forest Officer**  
**Ramban**  
**Ramban**

## COMPENSATORY AFFORESTATION PLAN

|  |  |   |        |
|--|--|---|--------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |   |        |
| File No:   | FP/JK/HYD/150591/2021                              |   |        |
| Date of Proposal:  | 31-12-2021   |   |        |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |   |        |
| Forest area to be diverted:  | 332.28   | Ha  |        |
| Forest/NFA to be planted   | NA   |   |        |
| No. of trees to be felled  | 79412  |   |        |
| No. of poles/plants to be damaged  | 192617   |   |        |
| Total No. of plants to be planted  | 664560   |   |        |
| No. of plants to be planted in this Unit   | 7584   |   |        |
| Details of land where C.A. is to be carried out:   |  |   |        |
| Degraded forest land   | Yes  | Area:   | 9.0362 |
| Non-forest land  | NA   | Area:   | NA     |
| Forest Division  | Ramban   |   |        |
| Range :  | Banihal  |   |        |
| Compartment  | 34/Banihal   |   |        |
| Khasra No. (for non-forest land)   | NA   |   |        |
| CA site  | Bajnari/Mohu Upper-II                              |   |        |
| CA site (Area)   | 9.0362   |   |        |
| C.A Site Geo Coordinates:  |  |   |        |
| (i) Starting point   | Latitude:- 33°27'48.96"N Longitude:- 75° 6'17.60"E |   |        |
| (ii) End Point   | Latitude:- 33°27'44.80"N Longitude:- 75° 6'0.52"E  |   |        |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   | NA     |
| a) Soil type:  |  | Clayey to sandy loam  |        |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |        |
| c) Slope: Steep/medium/gentle:   |  | Medium  |        |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |        |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1d-Western Mixed Coniferous Forests and 0.05 crown density.(Mixed Conifer Selection Working Circle) |        |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 9.0362          | rft  | 5800     | 135              | 7.83000             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |                 | No.  | 4584     | 29.34            | 1.34495             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 3000     | 23.17            | 0.69510             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 500      | 6.99             | 0.03495             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |                 | No.  | 500      | 7.18             | 0.03590             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 0.9      | 45221            | 0.40699             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 50       | 1099             | 0.54950             |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 4584     | 8.03             | 0.36810             |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 3000     | 7.44             | 0.22320             |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 4584     | 2.66             | 0.12193             |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 4584     | 2.66             | 0.12193             |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 4584     | 3.83             | 0.17557             |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 1896 | 25%      | 29.34            | 0.55629             |
|       |  | 3rd year maintenance of the plantation  | No.             | 758  | 10%      | 29.34            | 0.22251             |
|       |  | 4th year maintenance of the plantation  | No.             | 379  | 5%       | 29.34            | 0.11126             |
|       |  | 5th year maintenance of the plantation  | No.             | 379  | 5%       | 29.34            | 0.11126             |
|       |  | 6th year maintenance of the plantation  | No.             | 379  | 5%       | 29.34            | 0.11126             |
|       |  | 7th year maintenance of the plantation  | No.             | 379  | 5%       | 29.34            | 0.11126             |
|       |  | 8th year maintenance of the plantation  | No.             | 379  | 5%       | 29.34            | 0.11126             |
|       |  | 9th year maintenance of the plantation  | No.             | 379  | 5%       | 29.34            | 0.11126             |
|       |  | 10th year maintenance of the plantation | No.             | 379  | 5%       | 29.34            | 0.11126             |
|       |  | 3rd year Fencing repair                 | Rft             | 2300 |          | 16.74            | 0.38502             |
|       |  | 5th year Fencing repair                 | Rft             | 3500 |          | 16.74            | 0.58590             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>17.43664</b>     |
| 14    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825 |          | 311              | 5.67575             |
| 15    | Overhead/Miscallenious charges   |   |                 |      | LS       |                  | 1.74366             |

|   |  |   |  |  |  |                 |
|---|--|---|--|--|--|-----------------|
|   | <b>G.Total</b>   |   |  |  |  | <b>24.85605</b> |
|   | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |  |  |  |                 |
| a | General details  | An area of 9.0362 ha with crown density 5% will be taken under Compensatory Afforestation Scheme in Co 34/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |  |  |  |                 |
| b | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |  |  |  |                 |
| c | Spacing  | 2.5 mtrs*2.5 mtrs   |  |  |  |                 |
| d | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |  |  |  |                 |
| e | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection   |  |  |  |                 |
| f | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |  |  |  |                 |
| g | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc  |  |  |  |                 |
| h | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |  |  |  |                 |
| i | Any other information  | Nil   |  |  |  |                 |

  
**Showket Ali Tantary**  
 Block officer  
 Block... Moha ...

  
**Range Officer Banihal**  
**Range Officer**  
**Forest Banihal**

  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Ramban**



## COMPENSATORY AFFORESTATION PLAN

|  |  |   |         |
|--|--|---|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |   |         |
| File No:   | FP/JK/HYD/150591/2021                              |   |         |
| Date of Proposal:  | 31-12-2021   |   |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |   |         |
| Forest area to be diverted:  | 332.28   | Ha  |         |
| Forest/NFA to be planted   | NA   |   |         |
| No. of trees to be felled  | 79412  |   |         |
| No. of poles/plants to be damaged  | 192617   |   |         |
| Total No. of plants to be planted  | 664560   |   |         |
| No. of plants to be planted in this Unit   | 8570   |   |         |
| Details of land where C.A. is to be carried out:   |  |   |         |
| Degraded forest land   | Yes  | Area:   | 10.0738 |
| Non-forest land  | NA   | Area:   | NA      |
| Forest Division  | Ramban   |   |         |
| Range :  | Banihal  |   |         |
| Compartment  | 39/Banihal   |   |         |
| Khasra No. (for non-forest land)   | NA   |   |         |
| CA site  | Tanka/Trigam Upper                                 |   |         |
| CA site (Area)   | 10.0738  |   |         |
| C.A Site Geo Coordinates:  |  |   |         |
| (i) Starting point   | Latitude:- 33°26'0.62"N Longitude:- 75° 8'36.73"E  |   |         |
| (ii) End Point   | Latitude:- 33°25'54.26"N Longitude:- 75° 8'18.90"E |   |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   | NA      |
| a) Soil type:  |  | Clayey to sandy loam  |         |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |         |
| c) Slope: Steep/medium/gentle:   |  | Medium  |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |         |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1d-Western Mixed Coniferous Forests and 0.10 crown density (Reboisement Working Circle) |         |

| S.No. | Description  |   | Area (in Ha) | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|--------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 10.0738      | rft    | 5400     | 135           | 7.29000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |              | No.    | 4570     | 29.34         | 1.34084          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |              | No.    | 4000     | 23.17         | 0.92680          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |              | No.    | 500      | 6.99          | 0.03495          |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |              | No.    | 500      | 7.18          | 0.03590          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM     | 1        | 45221         | 0.45221          |
| 7     | Construction of permanent fire line 10 mtr in width with standard specification.   |   |              | KM     | 1        | 29250         | 0.29250          |
| 8     | Soil Conservation Works by means of DRSM   |   |              | cum    | 50       | 1099          | 0.54950          |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.    | 4570     | 8.03          | 0.36697          |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.    | 4000     | 7.44          | 0.29760          |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.    | 4570     | 2.66          | 0.12156          |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.    | 4570     | 2.66          | 0.12156          |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.    | 4570     | 3.83          | 0.17503          |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 2142.5 | 25%      | 29.34         | 0.62861          |
|       |  | 3rd year maintenance of the plantation  | No.          | 857    | 10%      | 29.34         | 0.25144          |
|       |  | 4th year maintenance of the plantation  | No.          | 429    | 5%       | 29.34         | 0.12572          |
|       |  | 5th year maintenance of the plantation  | No.          | 429    | 5%       | 29.34         | 0.12572          |
|       |  | 6th year maintenance of the plantation  | No.          | 429    | 5%       | 29.34         | 0.12572          |
|       |  | 7th year maintenance of the plantation  | No.          | 429    | 5%       | 29.34         | 0.12572          |
|       |  | 8th year maintenance of the plantation  | No.          | 429    | 5%       | 29.34         | 0.12572          |
|       |  | 9th year maintenance of the plantation  | No.          | 429    | 5%       | 29.34         | 0.12572          |
|       |  | 10th year maintenance of the plantation | No.          | 429    | 5%       | 29.34         | 0.12572          |
|       |  | 3rd year Fencing repair                 | Rft          | 2200   |          | 16.74         | 0.36828          |
|       |  | 5th year Fencing repair                 | Rft          | 3200   |          | 16.74         | 0.53568          |
|       |  | <b>Total</b>                            |              |        |          |               | <b>17.66949</b>  |

|    |  |  |      |  |     |                 |
|----|--|--|------|--|-----|-----------------|
| 15 | Watch and Ward of clouser for 5 years.   | M.days   | 1825 |  | 311 | 5.67575         |
| 16 | Overhead/Miscallenious charges   |  |      |  | LS  | 1.76695         |
|    | <b>G.Total</b>   |  |      |  |     | <b>25.11219</b> |
|    | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |  |      |  |     |                 |
| a  | General details  | An area of 10.0738 ha with crown density 10 % will be taken under Compensatory Afforestation Scheme in Co 39/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |      |  |     |                 |
| b  | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |      |  |     |                 |
| c  | Spacing  | 2.5 mtrs*2.5 mtrs  |      |  |     |                 |
| d  | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |      |  |     |                 |
| e  | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection  |      |  |     |                 |
| f  | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |      |  |     |                 |
| g  | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc   |      |  |     |                 |
| h  | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |      |  |     |                 |
| i  | Any other information  | Nil  |      |  |     |                 |

  
**Showket Ali Tantary**  
 Block officer  
 Block...

  
**Range Officer Banihal**  
**Range Officer**  
**Forest Banihal**

  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Ramban**

| COMPENSATORY AFFORESTATION PLAN  |   |  |        |
|--|---|--|--------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                     |  |        |
| File No:   | FP/JK/HYD/150591/2021                             |  |        |
| Date of Proposal:  | 31-12-2021  |  |        |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                            |  |        |
| Forest area to be diverted:  | 332.28  | Ha   |        |
| Forest/NFA to be planted   | NA  |  |        |
| No. of trees to be felled  | 79412   |  |        |
| No. of poles/plants to be damaged  | 192617  |  |        |
| Total No. of plants to be planted  | 664560  |  |        |
| No. of plants to be planted in this Unit   | 6500  |  |        |
| Details of land where C.A. is to be carried out:   |   |  |        |
| Degraded forest land   | Yes   | Area:  | 9.9961 |
| Non-forest land  | NA  | Area:  | NA     |
| Forest Division  | Ramban  |  |        |
| Range :  | Banihal   |  |        |
| Compartment  | 23B/Banihal                                       |  |        |
| Khasra No. (for non-forest land)   | NA  |  |        |
| CA site  | Buzlla/Trigam Upper                               |  |        |
| CA site (Area)   | 9.9961  |  |        |
| C.A Site Geo Coordinates:  |   |  |        |
| (i) Starting point   | Latitude:- 33°25'0.58"N Longitude:- 75° 6'27.26"E |  |        |
| (ii) End Point   | Latitude:- 33°25'3.88"N Longitude:- 75° 6'1.05"E  |  |        |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |  | NA     |
| a) Soil type:  |   | Clayey to sandy loam   |        |
| b) Topography: hilly/undulating/plain:   |   | Hilly  |        |
| c) Slope: Steep/medium/gentle:   |   | Medium   |        |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA   |        |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1d-Western Mixed Coniferous Forests and 0.20 crown density.(Conservation Working Circle) |        |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 9.996           | rft  | 5600     | 135              | 7.56000             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |                 | No.  | 3500     | 29.34            | 1.02690             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 3000     | 23.17            | 0.69510             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 1000     | 6.99             | 0.06990             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |                 | No.  | 1000     | 7.18             | 0.07180             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 1        | 45221            | 0.45221             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 100      | 1099             | 1.09900             |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 3500     | 8.03             | 0.28105             |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 3000     | 7.44             | 0.22320             |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3500     | 2.66             | 0.09310             |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3500     | 2.66             | 0.09310             |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3500     | 3.83             | 0.13405             |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 1625 | 25%      | 29.34            | 0.47678             |
|       |  | 3rd year maintenance of the plantation  | No.             | 650  | 10%      | 29.34            | 0.19071             |
|       |  | 4th year maintenance of the plantation  | No.             | 325  | 5%       | 29.34            | 0.09536             |
|       |  | 5th year maintenance of the plantation  | No.             | 325  | 5%       | 29.34            | 0.09536             |
|       |  | 6th year maintenance of the plantation  | No.             | 325  | 5%       | 29.34            | 0.09536             |
|       |  | 7th year maintenance of the plantation  | No.             | 325  | 5%       | 29.34            | 0.09536             |
|       |  | 8th year maintenance of the plantation  | No.             | 325  | 5%       | 29.34            | 0.09536             |
|       |  | 9th year maintenance of the plantation  | No.             | 325  | 5%       | 29.34            | 0.09536             |
|       |  | 10th year maintenance of the plantation | No.             | 325  | 5%       | 29.34            | 0.09536             |
|       |  | 3rd year Fencing repair                 | Rft             | 1800 |          | 16.74            | 0.30132             |
|       |  | 5th year Fencing repair                 | Rft             | 3600 |          | 16.74            | 0.60264             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>14.03834</b>     |
| 14    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825 |          | 311              | 5.67575             |
| 15    | Overhead/Miscallenious charges   |   |                 |      | LS       |                  | 1.40383             |

|   |  |   |  |  |  |                 |
|---|--|---|--|--|--|-----------------|
|   | <b>G.Total</b>   |   |  |  |  | <b>21.11792</b> |
|   | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |  |  |  |                 |
| a | General details  | An area of <b>9.9961</b> ha with crown density 20 % will be taken under Compensatory Afforestation Scheme in Co 23b/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |  |  |  |                 |
| b | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |  |  |  |                 |
| c | Spacing  | 2.5 mtrs*2.5 mtrs   |  |  |  |                 |
| d | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |  |  |  |                 |
| e | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection   |  |  |  |                 |
| f | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |  |  |  |                 |
| g | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc  |  |  |  |                 |
| h | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |  |  |  |                 |
| i | Any other information  | Nil   |  |  |  |                 |

  
**Showket Ali Tantary**  
 Block officer  
 Block...

  
**Range Officer Banihal**  
**Range Officer**  
**Forest Banihal**

  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Ramban**  
**Ramban Forest Division**  
**Ramban**



| COMPENSATORY AFFORESTATION PLAN  |  |  |        |
|--|--|--|--------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |  |        |
| File No:   | FP/JK/HYD/150591/2021                              |  |        |
| Date of Proposal:  | 31-12-2021   |  |        |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |  |        |
| Forest area to be diverted:  | 332.28   | Ha   |        |
| Forest/NFA to be planted   | NA   |  |        |
| No. of trees to be felled  | 79412  |  |        |
| No. of poles/plants to be damaged  | 192617   |  |        |
| Total No. of plants to be planted  | 664560   |  |        |
| No. of plants to be planted in this Unit   | 5000   |  |        |
| Details of land where C.A. is to be carried out:   |  |  |        |
| Degraded forest land   | Yes  | Area:  | 6.0995 |
| Non-forest land  | NA   | Area:  | NA     |
| Forest Division  | Ramban   |  |        |
| Range :  | Banihal  |  |        |
| Compartment  | 25/Banihal   |  |        |
| Khasra No. (for non-forest land)   | NA   |  |        |
| CA site  | Hijwa/Trigam Upper                                 |  |        |
| CA site (Area)   | 6.0995   |  |        |
| C.A Site Geo Coordinates:  |  |  |        |
| (i) Starting point   | Latitude:- 33°25'52.50"N Longitude:- 75° 5'28.38"E |  |        |
| (ii) End Point   | Latitude:- 33°25'59.65"N Longitude:- 75° 5'18.76"E |  |        |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |  | NA     |
| a) Soil type:  |  | Clayey to sandy loam   |        |
| b) Topography: hilly/undulating/plain:   |  | Hilly  |        |
| c) Slope: Steep/medium/gentle:   |  | Medium   |        |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA   |        |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1d-Western Mixed Coniferous Forests and 0.05 crown density (Conservation Working Circle) |        |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 6.10            | rft  | 3400     | 135              | 4.59000             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |                 | No.  | 3000     | 29.34            | 0.88020             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 2000     | 23.17            | 0.46340             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 500      | 6.99             | 0.03495             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |                 | No.  | 600      | 7.18             | 0.04308             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 0.6      | 45221            | 0.27133             |
| 7     | Construction of Water harvesting Structure (pond)  |   |                 | No.  | 1        | L/S              | 3.00000             |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 3000     | 8.03             | 0.24090             |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 2000     | 7.44             | 0.14880             |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3000     | 2.66             | 0.07980             |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3000     | 2.66             | 0.07980             |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3000     | 3.83             | 0.11490             |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 1250 | 25%      | 29.34            | 0.36675             |
|       |  | 3rd year maintenance of the plantation  | No.             | 500  | 10%      | 29.34            | 0.14670             |
|       |  | 4th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 5th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 6th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 7th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 8th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 9th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 10th year maintenance of the plantation | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 3rd year Fencing repair                 | Rft             | 1100 |          | 16.74            | 0.18414             |
|       |  | 5th year Fencing repair                 | Rft             | 2200 |          | 16.74            | 0.36828             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>11.52648</b>     |
| 14    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825 |          | 311              | 5.67575             |
| 15    | Overhead/Miscallenious charges   |   |                 |      | LS       |                  | 1.15265             |

|   |  |  |  |  |  |                 |
|---|--|--|--|--|--|-----------------|
|   | <b>G.Total</b>   |  |  |  |  | <b>18.35487</b> |
|   | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |  |  |  |  |                 |
| a | General details  | An area of 6.0995 ha with crown density 5 % will be taken under Compensatory Afforestation Scheme in Co 25/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |  |  |  |                 |
| b | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |  |  |  |                 |
| c | Spacing  | 2.5 mtrs*2.5 mtrs  |  |  |  |                 |
| d | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |  |  |  |                 |
| e | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection  |  |  |  |                 |
| f | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |  |  |  |                 |
| g | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc   |  |  |  |                 |
| h | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |  |  |  |                 |
| i | Any other information  | Nil  |  |  |  |                 |

  
**Showket Ali Tantary**  
 Block officer  
 Block...

  
**Range Officer Banihal**  
**Range Officer**  
**Forest Banihal**

  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Ramban**

## COMPENSATORY AFFORESTATION PLAN

|  |   |  |               |
|--|---|--|---------------|
| <b>Full title of the Forest land Diversion project</b>   | Sawalkot HE Project (1856 MW)                             |  |               |
| <b>File No:</b>  | FP/JK/HYD/150591/2021                                     |  |               |
| <b>Date of Proposal:</b>   | 31-12-2021  |  |               |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       | Ramban Forest Division                                    |  |               |
| <b>Forest area to be diverted:</b>   | 332.28  | Ha   |               |
| <b>Forest/NFA to be planted</b>  | NA  |  |               |
| <b>No. of trees to be felled</b>   | 79412   |  |               |
| <b>No. of poles/plants to be damaged</b>   | 192617  |  |               |
| <b>Total No. of plants to be planted</b>   | 664560  |  |               |
| <b>No. of plants to be planted in this Unit</b>  | 5000  |  |               |
| <b>Details of land where C.A. is to be carried out:</b>  |   |  |               |
| <b>Degraded forest land</b>  | Yes   | Area:  | <b>7.0357</b> |
| <b>Non-forest land</b>   | NA  | Area:  | <b>NA</b>     |
| <b>Forest Division</b>   | Ramban  |  |               |
| <b>Range :</b>   | Banihal   |  |               |
| <b>Compartment</b>   | 37a/Banihal   |  |               |
| <b>Khasra No. (for non-forest land)</b>  | NA  |  |               |
| <b>CA site</b>   | Mangit/Mangit   |  |               |
| <b>CA site (Area)</b>  | 7.0357  |  |               |
| <b>C.A Site Geo Coordinates:</b>   |   |  |               |
| <b>(i) Starting point</b>  | <b>Latitude:- 33°26'56.29"N Longitude:- 75° 7'29.87"E</b> |  |               |
| <b>(ii) End Point</b>  | <b>Latitude:- 33°26'42.10"N Longitude:- 75° 7'38.35"E</b> |  |               |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |  | NA            |
| a) Soil type:  |   | Clayey to sandy loam   |               |
| b) Topography: hilly/undulating/plain:   |   | Hilly  |               |
| c) Slope: Steep/medium/gentle:   |   | Medium   |               |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA   |               |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1d-Western Mixed Coniferous Forests and <b>0.15</b> crown density.(Fir Selection Working Circle) |               |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 7.0357          | rft  | 5800     | 135              | 7.83000             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |                 | No.  | 3000     | 29.34            | 0.88020             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 2000     | 23.17            | 0.46340             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 500      | 6.99             | 0.03495             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |                 | No.  | 900      | 7.18             | 0.06462             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 0.7      | 45221            | 0.31655             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 50       | 1099             | 0.54950             |
| 8     | Construction of water harvesting structure (pond).   |   |                 | No,  | 1        | L/S              | 3.00000             |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 3000     | 8.03             | 0.24090             |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 2000     | 7.44             | 0.14880             |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3000     | 2.66             | 0.07980             |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3000     | 2.66             | 0.07980             |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 3000     | 3.83             | 0.11490             |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 1250 | 25%      | 29.34            | 0.36675             |
|       |  | 3rd year maintenance of the plantation  | No.             | 500  | 10%      | 29.34            | 0.14670             |
|       |  | 4th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 5th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 6th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 7th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 8th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 9th year maintenance of the plantation  | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 10th year maintenance of the plantation | No.             | 250  | 5%       | 29.34            | 0.07335             |
|       |  | 3rd year Fencing repair                 | Rft             | 1900 |          | 16.74            | 0.31806             |
|       |  | 5th year Fencing repair                 | Rft             | 3800 |          | 16.74            | 0.63612             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>15.78450</b>     |

|    |  |  |      |  |     |                 |
|----|--|--|------|--|-----|-----------------|
| 15 | Watch and Ward of clouser for 5 years.   | M.days   | 1825 |  | 311 | 5.67575         |
| 16 | Overhead/Miscallenious charges   |  |      |  | LS  | 1.57845         |
|    | <b>G.Total</b>   |  |      |  |     | <b>23.03870</b> |
|    | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |  |      |  |     |                 |
| a  | General details  | An area of 7.0357 ha with crown density 15% will be taken under Compensatory Afforestation Scheme in Co 37a/Banihal in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area. |      |  |     |                 |
| b  | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |      |  |     |                 |
| c  | Spacing  | 2.5 mtrs*2.5 mtrs  |      |  |     |                 |
| d  | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |      |  |     |                 |
| e  | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection  |      |  |     |                 |
| f  | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |      |  |     |                 |
| g  | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc   |      |  |     |                 |
| h  | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |      |  |     |                 |
| i  | Any other information  | Nil  |      |  |     |                 |

  
 Showket Ali Tantary  
 Block officer  
 Block...

  
 Range Officer Banihal  
 Range Officer  
 Forest Banihal

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |   |   |             |                 |                      |                         |
|--|---|---|-------------|-----------------|----------------------|-------------------------|
| <b>Full title of the Forest land Diversion project</b>   | Sawalkot HE Project (1856 MW)                             |   |             |                 |                      |                         |
| <b>File No:</b>  | FP/JK/HYD/150591/2021                                     |   |             |                 |                      |                         |
| <b>Date of Proposal:</b>   | 31-12-2021  |   |             |                 |                      |                         |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       | Ramban Forest Division                                    |   |             |                 |                      |                         |
| <b>Forest area to be diverted:</b>   | 332.28 Ha   |   |             |                 |                      |                         |
| <b>Forest/NFA to be planted</b>  | NA  |   |             |                 |                      |                         |
| <b>No. of trees to be felled</b>   | 79412   |   |             |                 |                      |                         |
| <b>No. of poles/plants to be damaged</b>   | 192617  |   |             |                 |                      |                         |
| <b>Total No. of plants to be planted</b>   | 664560  |   |             |                 |                      |                         |
| <b>No. of plants to be planted in this Unit</b>  | 19042   |   |             |                 |                      |                         |
| <b>Details of land where C.A. is to be carried out:</b>  |   |   |             |                 |                      |                         |
| <b>Degraded forest land</b>  | Yes   | Area:   | 24.9851     |                 |                      |                         |
| <b>Non-forest land</b>   | NA  | Area:   | NA          |                 |                      |                         |
| <b>Forest Division</b>   | Ramban  |   |             |                 |                      |                         |
| <b>Range :</b>   | Banihal   |   |             |                 |                      |                         |
| <b>Compartment</b>   | 9b/B  |   |             |                 |                      |                         |
| <b>Khasra No. (for non-forest land)</b>  | NA  |   |             |                 |                      |                         |
| <b>CA site</b>   | Gadnallah/Shagan  |   |             |                 |                      |                         |
| <b>CA site (Area)</b>  | 24.9851   |   |             |                 |                      |                         |
| <b>C.A Site Geo Coordinates:</b>   |   |   |             |                 |                      |                         |
| <b>(i) Starting point</b>  | <b>Latitude:- 33°22'2.33"N Longitude:- 75° 9'15.48"E</b>  |   |             |                 |                      |                         |
| <b>(ii) End Point</b>  | <b>Latitude:- 33°21'48.99"N Longitude:- 75° 8'50.22"E</b> |   |             |                 |                      |                         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |   |             |                 | NA                   |                         |
| a) Soil type:  |   | Clayey to sandy loam  |             |                 |                      |                         |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |             |                 |                      |                         |
| c) Slope: Steep/medium/gentle:   |   | Medium  |             |                 |                      |                         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA  |             |                 |                      |                         |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f- Low Level Blue Pine Forests and 0.30 crown density.(Mixed Conifer Selection Working Circle) |             |                 |                      |                         |
| <b>S.No.</b>   | <b>Description</b>  | <b>Area (in Ha)</b>   | <b>Unit</b> | <b>Quantity</b> | <b>Rate Per Rft.</b> | <b>Amount (in Lacs)</b> |



|    |  |  |         |        |       |       |          |
|----|--|--|---------|--------|-------|-------|----------|
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |  | 24.9851 | rft    | 7700  | 135   | 10.39500 |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |  |         | No.    | 10042 | 29.34 | 2.94632  |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |  |         | No.    | 9000  | 23.17 | 2.08530  |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |  |         | No.    | 5000  | 6.99  | 0.34950  |
| 5  | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |  |         | No.    | 3000  | 7.18  | 0.21540  |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.  |  |         | KM     | 2.4   | 45221 | 1.08530  |
| 7  | Construction of permanent fire line 10 mtr in width with standard specification.   |  |         | KM     | 1     | 29250 | 0.29250  |
| 8  | Construction of water harvesting structure (pond)  |  |         | No.    | 1     | L/s   | 3.00000  |
| 9  | Soil Conservation Works by means of DRSM   |  |         | cum    | 200   | 1099  | 2.19800  |
| 10 | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |  |         | No.    | 10042 | 8.03  | 0.80637  |
| 11 | Raising of Naked Root (Broad Leaved) Plants  |  |         | No.    | 9000  | 7.44  | 0.66960  |
| 12 | 1st Year Maintenance of Polybaged sapplings  |  |         | No.    | 10042 | 2.66  | 0.26712  |
| 13 | 2nd Year Maintenance of Polybaged sapplings  |  |         | No.    | 10042 | 2.66  | 0.26712  |
| 14 | 3rd Year Maintenance of Polybaged sapplings  |  |         | No.    | 10042 | 3.83  | 0.38461  |
| 15 | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation | No.     | 4760.5 | 25%   | 29.34 | 1.39673  |
|    |  | 3rd year maintenance of the plantation | No.     | 1904   | 10%   | 29.34 | 0.55869  |
|    |  | 4th year maintenance of the plantation | No.     | 952    | 5%    | 29.34 | 0.27935  |
|    |  | 5th year maintenance of the plantation | No.     | 952    | 5%    | 29.34 | 0.27935  |
|    |  | 6th year maintenance of the plantation | No.     | 952    | 5%    | 29.34 | 0.27935  |
|    |  | 7th year maintenance of the plantation | No.     | 952    | 5%    | 29.34 | 0.27935  |
|    |  | 8th year maintenance of the plantation | No.     | 952    | 5%    | 29.34 | 0.27935  |

|  |   |  |      |      |    |       |                 |
|--|---|--|------|------|----|-------|-----------------|
|  |   | 9th year maintenance of the plantation   | No.  | 952  | 5% | 29.34 | 0.27935         |
|  |   | 10th year maintenance of the plantation  | No.  | 952  | 5% | 29.34 | 0.27935         |
|  |   | 3rd year Fencing repair  | Rft  | 3700 |    | 16.74 | 0.61938         |
|  |   | 5th year Fencing repair  | Rft  | 4000 |    | 16.74 | 0.66960         |
|  |   | <b>Total</b>   |      |      |    |       | <b>30.16197</b> |
| 16   | Watch and Ward of clouser for 5 years.                          | M.days   | 1825 |      |    | 311   | 5.67575         |
| 17   | Overhead/Miscallaneous charges                                  |  |      |      | LS |       | 3.01620         |
|  | <b>G.Total</b>  |  |      |      |    |       | <b>38.85392</b> |
| <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |  |      |      |    |       |                 |
| a  | General details   | An area of 24.9851 ha with crown density 30 % will be taken under Compensatory Afforestation Scheme in Co 9b/B in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |      |      |    |       |                 |
| b  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |      |      |    |       |                 |
| c  | Spacing   | 2.5 mtrs*2.5 mtrs  |      |      |    |       |                 |
| d  | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |      |      |    |       |                 |
| e  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |      |      |    |       |                 |
| f  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |      |      |    |       |                 |
| g  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |      |      |    |       |                 |
| h  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |      |      |    |       |                 |
| i  | Any other information   | Nil  |      |      |    |       |                 |

Mushtaq Ahmad  
B.O. Sarbagni

Range Officer Banihal  
Range Officer  
Forest Banihal

Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |  |         |
|--|---|--|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                     |  |         |
| File No:   | FP/JK/HYD/150591/2021                             |  |         |
| Date of Proposal:  | 31-12-2021  |  |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                            |  |         |
| Forest area to be diverted:  | 332.28  | Ha   |         |
| Forest/NFA to be planted   | NA  |  |         |
| No. of trees to be felled  | 79412   |  |         |
| No. of poles/plants to be damaged  | 192617  |  |         |
| Total No. of plants to be planted  | 664560  |  |         |
| No. of plants to be planted in this Unit   | 20545   |  |         |
| Details of land where C.A. is to be carried out:   |   |  |         |
| Degraded forest land   | Yes   | Area:  | 30.0474 |
| Non-forest land  | NA  | Area:  | NA      |
| Forest Division  | Ramban  |  |         |
| Range :  | Banihal   |  |         |
| Compartment  | 4/B   |  |         |
| Khasra No. (for non-forest land)   | NA  |  |         |
| CA site  | Palbass/Sarbagni-I                                |  |         |
| CA site (Area)   | 30.0474   |  |         |
| C.A Site Geo Coordinates:  |   |  |         |
| (i) Starting point   | Latitude:- 33°19'47.19"N Longitude:- 75°11'1.30"E |  |         |
| (ii) End Point   | Latitude:- 33°19'23.77"N Longitude:- 75°11'3.45"E |  |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |  | NA      |
| a) Soil type:  |   | Clayey to sandy loam   |         |
| b) Topography: hilly/undulating/plain:   |   | Hilly  |         |
| c) Slope: Steep/medium/gentle:   |   | Medium   |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA   |         |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f- Low Level Blue Pine Forests and 0.10 crown density.(Conservation Working Circle) |         |

| S.No. | Description  |   | Area<br>(in Ha) | Unit   | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|--------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 30.0474         | rft    | 10000    | 135              | 13.50000            |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |                 | No.    | 10545    | 29.34            | 3.09390             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.    | 10000    | 23.17            | 2.31700             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.    | 5000     | 6.99             | 0.34950             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |                 | No.    | 3000     | 7.18             | 0.21540             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM     | 3        | 45221            | 1.35663             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum    | 100      | 1099             | 1.09900             |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.    | 10545    | 8.03             | 0.84676             |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.    | 10000    | 7.44             | 0.74400             |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.    | 10545    | 2.66             | 0.28050             |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.    | 10545    | 2.66             | 0.28050             |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.    | 10545    | 3.83             | 0.40387             |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 5136.3 | 25%      | 29.34            | 1.50698             |
|       |  | 3rd year maintenance of the plantation  | No.             | 2055   | 10%      | 29.34            | 0.60279             |
|       |  | 4th year maintenance of the plantation  | No.             | 1027   | 5%       | 29.34            | 0.30140             |
|       |  | 5th year maintenance of the plantation  | No.             | 1027   | 5%       | 29.34            | 0.30140             |
|       |  | 6th year maintenance of the plantation  | No.             | 1027   | 5%       | 29.34            | 0.30140             |
|       |  | 7th year maintenance of the plantation  | No.             | 1027   | 5%       | 29.34            | 0.30140             |
|       |  | 8th year maintenance of the plantation  | No.             | 1027   | 5%       | 29.34            | 0.30140             |
|       |  | 9th year maintenance of the plantation  | No.             | 1027   | 5%       | 29.34            | 0.30140             |
|       |  | 10th year maintenance of the plantation | No.             | 1027   | 5%       | 29.34            | 0.30140             |
|       |  | 3rd year Fencing repair                 | Rft             | 4000   |          | 16.74            | 0.66960             |
|       |  | 5th year Fencing repair                 | Rft             | 6000   |          | 16.74            | 1.00440             |
|       |  | Total                                   |                 |        |          | 30.38060         |                     |

|    |  |   |      |  |     |                 |
|----|--|---|------|--|-----|-----------------|
| 14 | Watch and Ward of clouser for 5 years.   | M.days  | 1825 |  | 311 | 5.67575         |
| 15 | Overhead/Miscallenious charges   |   |      |  | LS  | 3.03806         |
|    | <b>G.Total</b>   |   |      |  |     | <b>39.09441</b> |
|    | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |      |  |     |                 |
| a  | General details  | An area of 30.0474 ha with crown density 10 % will be taken under Compensatory Afforestation Scheme in Co 4/B in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |      |  |     |                 |
| b  | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualitites and repair of fencing will be done. The plantation will be rain fed.  |      |  |     |                 |
| c  | Spacing  | 2.5 mtrs*2.5 mtrs   |      |  |     |                 |
| d  | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |      |  |     |                 |
| e  | Silvicultural Operation  | The land is alomost barren. It does not require any silviculture operation except protection  |      |  |     |                 |
| f  | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |      |  |     |                 |
| g  | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc  |      |  |     |                 |
| h  | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |      |  |     |                 |
| i  | Any other information  | Nil   |      |  |     |                 |

Mushtaq Ahmad  
B.O. Sasbagni

Range Officer Banihal  
Range Officer  
Forest Banihal

Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |   |         |
|--|--|---|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |   |         |
| File No:   | FP/JK/HYD/150591/2021                              |   |         |
| Date of Proposal:  | 31-12-2021   |   |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |   |         |
| Forest area to be diverted:  | 332.28   | Ha  |         |
| Forest/NFA to be planted   | NA   |   |         |
| No. of trees to be felled  | 79412  |   |         |
| No. of poles/plants to be damaged  | 192617   |   |         |
| Total No. of plants to be planted  | 664560   |   |         |
| No. of plants to be planted in this Unit   | 9964   |   |         |
| Details of land where C.A. is to be carried out:   |  |   |         |
| Degraded forest land   | Yes  | Area:   | 12.9644 |
| Non-forest land  | NA   | Area:   | NA      |
| Forest Division  | Ramban   |   |         |
| Range :  | Banihal  |   |         |
| Compartment  | 4/B  |   |         |
| Khasra No. (for non-forest land)   | NA   |   |         |
| CA site  | Palbass/Sarbagni-II                                |   |         |
| CA site (Area)   | 12.9644  |   |         |
| C.A Site Geo Coordinates:  |  |   |         |
| (i) Starting point   | Latitude:- 33°19'11.32"N Longitude:- 75°10'7.43"E  |   |         |
| (ii) End Point   | Latitude:- 33°18'56.35"N Longitude:- 75° 9'58.35"E |   |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   | NA      |
| a) Soil type:  |  | Clayey to sandy loam  |         |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |         |
| c) Slope: Steep/medium/gentle:   |  | Medium  |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |         |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1f- Low Level Blue Pine Forests and 5 % crown density.(Conservation Working Circle) |         |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 12.9644         | rft  | 7500     | 135              | 10.12500            |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |                 | No.  | 5964     | 29.34            | 1.74984             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 4000     | 23.17            | 0.92680             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 1500     | 6.99             | 0.10485             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |                 | No.  | 1500     | 7.18             | 0.10770             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 1.2      | 45221            | 0.54265             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 100      | 1099             | 1.09900             |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 5964     | 8.03             | 0.47891             |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 4000     | 7.44             | 0.29760             |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5964     | 2.66             | 0.15864             |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5964     | 2.66             | 0.15864             |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5964     | 3.83             | 0.22842             |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 2491 | 25%      | 29.34            | 0.73086             |
|       |  | 3rd year maintenance of the plantation  | No.             | 996  | 10%      | 29.34            | 0.29234             |
|       |  | 4th year maintenance of the plantation  | No.             | 498  | 5%       | 29.34            | 0.14617             |
|       |  | 5th year maintenance of the plantation  | No.             | 498  | 5%       | 29.34            | 0.14617             |
|       |  | 6th year maintenance of the plantation  | No.             | 498  | 5%       | 29.34            | 0.14617             |
|       |  | 7th year maintenance of the plantation  | No.             | 498  | 5%       | 29.34            | 0.14617             |
|       |  | 8th year maintenance of the plantation  | No.             | 498  | 5%       | 29.34            | 0.14617             |
|       |  | 9th year maintenance of the plantation  | No.             | 498  | 5%       | 29.34            | 0.14617             |
|       |  | 10th year maintenance of the plantation | No.             | 498  | 5%       | 29.34            | 0.14617             |
|       |  | 3rd year Fencing repair                 | Rft             | 3500 |          | 16.74            | 0.58590             |
|       |  | 5th year Fencing repair                 | Rft             | 4000 |          | 16.74            | 0.66960             |
|       |  | Total                                   |                 |      |          |                  | 19.27996            |



|    |  |  |      |  |     |                 |
|----|--|--|------|--|-----|-----------------|
| 14 | Watch and Ward of clouser for 5 years.   | M.days   | 1825 |  | 311 | 5.67575         |
| 15 | Overhead/Miscallenious charges   |  |      |  | LS  | 1.92800         |
|    | <b>G.Total</b>   |  |      |  |     | <b>26.88371</b> |
|    | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |  |      |  |     |                 |
| a  | General details  | An area of 12.9644 ha with crown density 5 % will be taken under Compensatory Afforestation Scheme in Co 4/B in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |      |  |     |                 |
| b  | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualitites and repair of fencing will be done. The plantation will be rain fed.   |      |  |     |                 |
| c  | Spacing  | 2.5 mtrs*2.5 mtrs  |      |  |     |                 |
| d  | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |      |  |     |                 |
| e  | Silvicultural Operation  | The land is alomost barren. It does not require any silviculture operation except protection   |      |  |     |                 |
| f  | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |      |  |     |                 |
| g  | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc   |      |  |     |                 |
| h  | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |      |  |     |                 |
| i  | Any other information  | Nil  |      |  |     |                 |

Mushtaq Ahmed  
B.O. Sazbagni

Range Officer Banihal  
Range Officer  
Forest Banihal

Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |  |   |         |
|--|--|---|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |   |         |
| File No:   | FP/JK/HYD/150591/2021                              |   |         |
| Date of Proposal:  | 31-12-2021   |   |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |   |         |
| Forest area to be diverted:  | 332.28   | Ha  |         |
| Forest/NFA to be planted   | NA   |   |         |
| No. of trees to be felled  | 79412  |   |         |
| No. of poles/plants to be damaged  | 192617   |   |         |
| Total No. of plants to be planted  | 664560   |   |         |
| No. of plants to be planted in this Unit   | 12847  |   |         |
| Details of land where C.A. is to be carried out:   |  |   |         |
| Degraded forest land   | Yes  | Area:   | 22.0529 |
| Non-forest land  | NA   | Area:   | NA      |
| Forest Division  | Ramban   |   |         |
| Range :  | Banihal  |   |         |
| Compartment  | 1/B  |   |         |
| Khasra No. (for non-forest land)   | NA   |   |         |
| CA site  | Lorna/Sumber-I                                     |   |         |
| CA site (Area)   | 22.0529  |   |         |
| C.A Site Geo Coordinates:  |  |   |         |
| (i) Starting point   | Latitude:- 33°16'35.71"N Longitude:- 75° 9'44.21"E |   |         |
| (ii) End Point   | Latitude:- 33°16'43.24"N Longitude:- 75°10'13.19"E |   |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   | NA      |
| a) Soil type:  |  | Clayey to sandy loam  |         |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |         |
| c) Slope: Steep/medium/gentle:   |  | Medium  |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |         |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 9/C1b Upper or Himalayan Chir Pine Forests and 0.20 crown density (Conservation Working Circle) |         |

| S.No. | Description  |   | Area (in Ha) | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|--------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 22.0529      | rft    | 6700     | 135           | 9.04500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species   |   |              | No.    | 4847     | 29.34         | 1.42211          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana, and other broad leaved species   |   |              | No.    | 8000     | 23.17         | 1.85360          |
| 4     | Sowing in Patches Chir, Makhan seeds (45 x 45 x 15 Cms)  |   |              | No.    | 3500     | 6.99          | 0.24465          |
| 5     | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |              | No.    | 3500     | 7.18          | 0.25130          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM     | 2.2      | 45221         | 0.99486          |
| 7     | Soil Conservation Works by means of DRSM   |   |              | cum    | 100      | 1099          | 1.09900          |
| 8     | Construction of permanent fire line 10 mtr in width with standard specification.   |   |              | KM     | 0.5      | 29250         | 0.14625          |
| 9     | Construction of water harvesting structure (pond)  |   |              | No.    | 1        | L/s           | 3.00000          |
| 10    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.    | 4847     | 8.03          | 0.38921          |
| 11    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.    | 8000     | 7.44          | 0.59520          |
| 12    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.    | 4847     | 2.66          | 0.12893          |
| 13    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.    | 4847     | 2.66          | 0.12893          |
| 14    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.    | 4847     | 3.83          | 0.18564          |
| 15    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 3211.8 | 25%      | 29.34         | 0.94233          |
|       |  | 3rd year maintenance of the plantation  | No.          | 1285   | 10%      | 29.34         | 0.37693          |
|       |  | 4th year maintenance of the plantation  | No.          | 642    | 5%       | 29.34         | 0.18847          |
|       |  | 5th year maintenance of the plantation  | No.          | 642    | 5%       | 29.34         | 0.18847          |
|       |  | 6th year maintenance of the plantation  | No.          | 642    | 5%       | 29.34         | 0.18847          |
|       |  | 7th year maintenance of the plantation  | No.          | 642    | 5%       | 29.34         | 0.18847          |
|       |  | 8th year maintenance of the plantation  | No.          | 642    | 5%       | 29.34         | 0.18847          |
|       |  | 9th year maintenance of the plantation  | No.          | 642    | 5%       | 29.34         | 0.18847          |
|       |  | 10th year maintenance of the plantation | No.          | 642    | 5%       | 29.34         | 0.18847          |
|       |  | 3rd year Fencing repair                 | Rft          | 2700   |          | 16.74         | 0.45198          |
|       |  | 5th year Fencing repair                 | Rft          | 4000   |          | 16.74         | 0.66960          |
|       |  | <b>Total</b>                            |              |        |          |               | <b>23.24478</b>  |

|  |   |   |      |    |     |                 |
|--|---|---|------|----|-----|-----------------|
| 16   | Watch and Ward of clouser for 5 years.                          | M.days  | 1825 |    | 311 | 5.67575         |
| 17   | Overhead/Miscallenious charges                                  |   |      | LS |     | 2.32448         |
|  | <b>G.Total</b>  |   |      |    |     | <b>31.24501</b> |
| <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |   |      |    |     |                 |
| a  | General details   | An area of 22.0529 ha with crown density 20% will be taken under Compensatory Afforestation Scheme in Co 1/Bnl in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species will be planted in the area |      |    |     |                 |
| b  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualitites and repair of fencing will be done. The plantation will be rain fed.  |      |    |     |                 |
| c  | Spacing   | 2.5 mtrs*2.5 mtrs   |      |    |     |                 |
| d  | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Chir, Makhan, dibbling of Chir, Santha and Melia azarachtica (Dhreenkh) etc.   |      |    |     |                 |
| e  | Silvicultural Operation   | The land is alomost barren. It does not require any silviculture operation except protection  |      |    |     |                 |
| f  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |      |    |     |                 |
| g  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |      |    |     |                 |
| h  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |      |    |     |                 |
| i  | Any other information   | Nil   |      |    |     |                 |

Mushtaq Ahmad  
B.O. Sarbaghi

Range Officer Banihal  
Range Officer  
Forest Banihal

Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |   |         |
|--|--|---|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |   |         |
| File No:   | FP/JK/HYD/150591/2021                              |   |         |
| Date of Proposal:  | 31-12-2021   |   |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |   |         |
| Forest area to be diverted:  | 332.28   | Ha  |         |
| Forest/NFA to be planted   | NA   |   |         |
| No. of trees to be felled  | 79412  |   |         |
| No. of poles/plants to be damaged  | 192617   |   |         |
| Total No. of plants to be planted  | 664560   |   |         |
| No. of plants to be planted in this Unit   | 21578  |   |         |
| Details of land where C.A. is to be carried out:   |  |   |         |
| Degraded forest land   | Yes  | Area:   | 23.9763 |
| Non-forest land  | NA   | Area:   | NA      |
| Forest Division  | Ramban   |   |         |
| Range :  | Banihal  |   |         |
| Compartment  | 1/B  |   |         |
| Khasra No. (for non-forest land)   | NA   |   |         |
| CA site  | Lorna/Sumber-II                                    |   |         |
| CA site (Area)   | 23.9763  |   |         |
| C.A Site Geo Coordinates:  |  |   |         |
| (i) Starting point   | Latitude:- 33°16'32.35"N Longitude:- 75° 9'46.94"E |   |         |
| (ii) End Point   | Latitude:- 33°16'8.95"N Longitude:- 75° 9'48.04"E  |   |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   | NA      |
| a) Soil type:  |  | Clayey to sandy loam  |         |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |         |
| c) Slope: Steep/medium/gentle:   |  | Medium  |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |         |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 9/C1b Upper or Himalayan Chir Pine Forests and 0.10 crown density.(Conservation Working Circle) |         |

| S.No. | Description  |   | Area (in Ha) | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|--------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 23.9763      | rft    | 7300     | 135           | 9.85500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species   |   |              | No.    | 5578     | 29.34         | 1.63659          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana, and other broad leaved species   |   |              | No.    | 8500     | 23.17         | 1.96945          |
| 4     | Sowing in Patches Chir, Makhan seeds (45 x 45 x 15 Cms)  |   |              | No.    | 4000     | 6.99          | 0.27960          |
| 5     | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |              | No.    | 3500     | 7.18          | 0.25130          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM     | 2.3      | 45221         | 1.04008          |
| 7     | Soil Conservation Works by means of DRSM   |   |              | cum    | 100      | 1099          | 1.09900          |
| 8     | Construction of permanent fire line 10 mtr in width with standard specification.   |   |              | KM     | 0.5      | 29250         | 0.14625          |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.    | 5578     | 8.03          | 0.44791          |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.    | 8500     | 7.44          | 0.63240          |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.    | 5578     | 2.66          | 0.14837          |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.    | 5578     | 2.66          | 0.14837          |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.    | 5578     | 3.83          | 0.21364          |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 3519.5 | 25%      | 29.34         | 1.03262          |
|       |  | 3rd year maintenance of the plantation  | No.          | 1408   | 10%      | 29.34         | 0.41305          |
|       |  | 4th year maintenance of the plantation  | No.          | 704    | 5%       | 29.34         | 0.20652          |
|       |  | 5th year maintenance of the plantation  | No.          | 704    | 5%       | 29.34         | 0.20652          |
|       |  | 6th year maintenance of the plantation  | No.          | 704    | 5%       | 29.34         | 0.20652          |
|       |  | 7th year maintenance of the plantation  | No.          | 704    | 5%       | 29.34         | 0.20652          |
|       |  | 8th year maintenance of the plantation  | No.          | 704    | 5%       | 29.34         | 0.20652          |
|       |  | 9th year maintenance of the plantation  | No.          | 704    | 5%       | 29.34         | 0.20652          |
|       |  | 10th year maintenance of the plantation | No.          | 704    | 5%       | 29.34         | 0.20652          |
|       |  | 3rd year Fencing repair                 | Rft          | 3000   |          | 16.74         | 0.50220          |
|       |  | 5th year Fencing repair                 | Rft          | 4300   |          | 16.74         | 0.71982          |
|       |  | <b>Total</b>                            |              |        |          |               | <b>24.98133</b>  |
| 15    | Watch and Ward of clouser for 5 years.   |   | M.days       | 1825   |          | 311           | 5.67575          |
| 16    | Overhead/Miscallenious charges   |   |              |        | LS       |               | 2.49813          |

|   |  |   |  |  |  |                 |
|---|--|---|--|--|--|-----------------|
|   | <b>G.Total</b>   |   |  |  |  | <b>33.15521</b> |
|   | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |  |  |  |                 |
| a | General details  | An area of 23.9763 ha with crown density 10% will be taken under Compensatory Afforestation Scheme in Co 1/Bnl in Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species will be planted in the area |  |  |  |                 |
| b | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |  |  |  |                 |
| c | Spacing  | 2.5 mtrs*2.5 mtrs   |  |  |  |                 |
| d | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Chir, Makhan, dibbling of Chir, Santha and Melia azarachtica (Dhreenkh) etc.   |  |  |  |                 |
| e | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection   |  |  |  |                 |
| f | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |  |  |  |                 |
| g | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc  |  |  |  |                 |
| h | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |  |  |  |                 |
| i | Any other information  | Nil   |  |  |  |                 |

  
 Mushtaq Ahmad  
 B.O. Sargani

  
 Range Officer Banihal  
 Range Officer  
 Forest Banihal

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban



| COMPENSATORY AFFORESTATION PLAN  |  |   |            |
|--|--|---|------------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |   |            |
| File No:   | FP/JK/HYD/150591/2021                              |   |            |
| Date of Proposal:  | 31-12-2021   |   |            |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |   |            |
| Forest area to be diverted:  | 332.28   | Ha  |            |
| Forest/NFA to be planted   | NA   |   |            |
| No. of trees to be felled  | 79412  |   |            |
| No. of poles/plants to be damaged  | 192617   |   |            |
| No. of plants to be planted  | 664560   |   |            |
| No. of plants to be planted in this Unit   | 15841  |   |            |
| Details of land where C.A. is to be carried out:   |  |   |            |
| Degraded forest land   | Yes  | Area:   | 22.0448 Ha |
| Non-forest land  | NA   | Area:   | NA         |
| Forest Division  | Ramban   |   |            |
| Range :  | Gool   |   |            |
| Compartment  | 25/Ar  |   |            |
| Khasra No. (for non-forest land)   | NA   |   |            |
| C.A Site (Name of the location):   | Muthgala/Kalimasta                                 |   |            |
| CA site (Area)   | 22.0448  |   |            |
| C.A Site Geo Coordinates:  |  |   |            |
| (i) Starting point   | Latitude:- 33°17'50.86"N Longitude:- 74°57'41.55"E |   |            |
| (ii) End Point   | Latitude:-33°17'23.13"N Longitude:-74°57'50.40"E   |   |            |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   | NA         |
| a) Soil type:  |  | Clayey to sandy loam  |            |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |            |
| c) Slope: Steep/medium/gentle:   |  | Medium  |            |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |            |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1f- Low Level Blue Pine Forests and 0.10 (Reboisement Working Circle) |            |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 22.0448      | rft  | 10000    | 135           | 13.50000         |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Fir and other broad leaved species   |   |              | No.  | 10000    | 29.34         | 2.93400          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apricot and other broad leaved species   |   |              | No.  | 5841     | 23.17         | 1.35336          |
| 4     | Sowing in Patches Fir seeds (45 x 45 x 15 Cms)   |   |              | No.  | 2000     | 6.99          | 0.13980          |
| 5     | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)  |   |              | No.  | 2000     | 7.18          | 0.14360          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | km   | 2.20     | 45221         | 0.99486          |
| 7     | Construction of Water Harvesting Pond (100'x100')  |   |              | No.  | 1        | 300000        | 3.00000          |
| 8     | Construction of permanent fireline 10 mtr wide with standard specification.  |   |              | Km   | 1        | 29250         | 0.29250          |
| 9     | Soil Conservation Works by means of DRSM   |   |              | cum  | 100      | 1099          | 1.09900          |
| 10    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 10000    | 8.03          | 0.80300          |
| 11    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 5841     | 7.44          | 0.43457          |
| 12    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 10000    | 2.66          | 0.26600          |
| 13    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 10000    | 2.66          | 0.26600          |
| 14    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 10000    | 3.83          | 0.38300          |
| 15    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 3960 | 25%      | 29.34         | 1.16194          |
|       |  | 3rd year maintenance of the plantation  | No.          | 1584 | 10%      | 29.34         | 0.46477          |
|       |  | 4th year maintenance of the plantation  | No.          | 792  | 5%       | 29.34         | 0.23239          |
|       |  | 5th year maintenance of the plantation  | No.          | 792  | 5%       | 29.34         | 0.23239          |
|       |  | 6th year maintenance of the plantation  | No.          | 792  | 5%       | 29.34         | 0.23239          |
|       |  | 7th year maintenance of the plantation  | No.          | 792  | 5%       | 29.34         | 0.23239          |
|       |  | 8th year maintenance of the plantation  | No.          | 792  | 5%       | 29.34         | 0.23239          |
|       |  | 9th year maintenance of the plantation  | No.          | 792  | 5%       | 29.34         | 0.23239          |
|       |  | 10th year maintenance of the plantation | No.          | 792  | 5%       | 29.34         | 0.23239          |
|       |  | 3rd year Fencing repair                 | Rft          | 4000 |          | 16.74         | 0.66960          |
|       |  | 5th year Fencing repair                 | Rft          | 6000 |          | 16.74         | 1.00440          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>30.53712</b>  |
| 16    | <b>Watch and Ward of closure for 5 years</b>   |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 17    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 3.05371          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>39.26658</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>22.0448 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 25/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like Fir, Kail (Pinus Wallichiana) and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Kail (Pinus Wallichiana), Fir, Ulmus, Apricot, Patch sowing of Fir seeds, dibbling of HC nuts, etc  |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

  
Block Forest Officer  
Forest Block, Gool

  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |   |       |           |               |                  |
|--|---|---|-------|-----------|---------------|------------------|
| Full title of the Forest land Diversion project  |   | Sawalkot HE Project (1856 MW)   |       |           |               |                  |
| File No:   |   | FP/JK/HYD/150591/2021   |       |           |               |                  |
| Date of Proposal:  |   | 31-12-2021  |       |           |               |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):                  |   | Ramban Forest Division  |       |           |               |                  |
| Forest area to be diverted:  |   | 332.28 Ha   |       |           |               |                  |
| Forest/NFA to be planted   |   | NA  |       |           |               |                  |
| No. of trees to be felled  |   | 79412   |       |           |               |                  |
| No. of poles/plants to be damaged  |   | 192617  |       |           |               |                  |
| No. of plants to be planted  |   | 664560  |       |           |               |                  |
| No. of plants to be planted in this Unit   |   | 5014  |       |           |               |                  |
| Details of land where C.A. is to be carried out:   |   |   |       |           |               |                  |
| Degraded forest land   |   | Yes   | Area: | 7.0151 Ha |               |                  |
| Non-forest land  |   | NA  | Area: | NA        |               |                  |
| Forest Division  |   | Ramban  |       |           |               |                  |
| Range :  |   | Gool  |       |           |               |                  |
| Compartment  |   | 35/Ar   |       |           |               |                  |
| Khasra No. (for non-forest land)   |   | NA  |       |           |               |                  |
| C.A Site (Name of the location):   |   | Dugsar/Gool-Parthmulla  |       |           |               |                  |
| CA site (Area)   |   | 7.0151  |       |           |               |                  |
| C.A Site Geo Coordinates:  |   |   |       |           |               |                  |
| (i) Starting point   |   | Latitude:- 33°15'40.22"N Longitude:-75° 1'53.04"E                         |       |           |               |                  |
| (ii) End Point   |   | Latitude:-33°15'38.29"N Longitude:- 75° 2'1.70"E                          |       |           |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the |   |   |       |           |               | NA               |
| a) Soil type:  |   | Clayey to sandy loam  |       |           |               |                  |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |       |           |               |                  |
| c) Slope: Steep/medium/gentle:   |   | Medium  |       |           |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :         |   | NA  |       |           |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:            |   | 12/C1f- Low Level Blue Pine Forests and 0.10 (Reboisement Working Circle) |       |           |               |                  |
| S.No.  | Description   | Area (in Ha)  | Unit  | Quantity  | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 7.0151  | rft   | 3750      | 135           | 5.06250          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species  |   | No.   | 3514      | 29.34         | 1.03101          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, persimmon and other broad leaved species  |   | No.   | 1500      | 23.17         | 0.34755          |
| 4  | Sowing in Patches Kail seeds (45 x 45 x 15 Cms)   |   | No.   | 800       | 6.99          | 0.05592          |
| 5  | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)   |   | No.   | 500       | 7.18          | 0.03590          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.   |   | km    | 0.70      | 45221         | 0.31655          |
| 8  | Construction of permanent fireline 10 mtr wide with standard specification.   |   | Km    | 1.5       | 29250         | 0.43875          |
| 9  | Soil Conservation Works by means of DRSM  |   | cum   | 100       | 1099          | 1.09900          |
| 10   | Laying of GI wire crates for plugging gullies and Nallahs (Rate applied is subject to estimate)   |   | No.   | 50        | 10000.00      | 5.00000          |

|   |   |   |   |        |       |         |          |
|---|---|---|---|--------|-------|---------|----------|
| 11  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation. |   |   | No.    | 3514  | 8.03    | 0.28217  |
| 12  | Raising of Naked Root (Broad Leaved) Plants   |   |   | No.    | 1500  | 7.44    | 0.11160  |
| 13  | 1st Year Maintenance of Polybaged sapplings   |   |   | No.    | 3514  | 2.66    | 0.09347  |
| 14  | 2nd Year Maintenance of Polybaged sapplings   |   |   | No.    | 3514  | 2.66    | 0.09347  |
| 15  | 3rd Year Maintenance of Polybaged sapplings   |   |   | No.    | 3514  | 3.83    | 0.13459  |
| 16  | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.   | 1253.5 | 25%   | 29.34   | 0.36778  |
|   |   | 3rd year maintenance of the plantation  | No.   | 501    | 10%   | 29.34   | 0.14711  |
|   |   | 4th year maintenance of the plantation  | No.   | 251    | 5%    | 29.34   | 0.07356  |
|   |   | 5th year maintenance of the plantation  | No.   | 251    | 5%    | 29.34   | 0.07356  |
|   |   | 6th year maintenance of the plantation  | No.   | 251    | 5%    | 29.34   | 0.07356  |
|   |   | 7th year maintenance of the plantation  | No.   | 251    | 5%    | 29.34   | 0.07356  |
|   |   | 8th year maintenance of the plantation  | No.   | 251    | 5%    | 29.34   | 0.07356  |
|   |   | 9th year maintenance of the plantation  | No.   | 251    | 5%    | 29.34   | 0.07356  |
|   |   | 10th year maintenance of the plantation | No.   | 251    | 5%    | 29.34   | 0.07356  |
|   |   | 3rd year Fencing repair                 | Rft   | 1500   |       | 16.74   | 0.25110  |
|   | 5th year Fencing repair   | Rft                                     | 2250  |        | 16.74 | 0.37665 |          |
|   |   | Total                                   |   |        |       |         | 15.76001 |
| 17  | Watch and Ward of closure for 5 years   |   | M.Days  | 1825   |       | 311     | 5.67575  |
| 18  | Overhead/Miscallenious charges  |   |   |        | LS    |         | 1.57600  |
|   | G.Total   |   |   |        |       |         | 23.01176 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |   |        |       |         |          |
| a   | General details   |   | An area of <b>7.0151 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 35/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |        |       |         |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |        |       |         |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs   |        |       |         |          |
| d   | Species proposed to be planted  |   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Ulmus, persimmon Patch sowing of Kail seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |        |       |         |          |
| e   | Silvicultural Operation   |   | The land is alomost barren. It does not require any silviculture operation except protection  |        |       |         |          |
| f   | Soil and moisture conservation works  |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |        |       |         |          |
| g   | Protection (Fencing , watch & ward, People's participation etc)   |   | The area will be protected by Fencing, people participation, watch and ward by staff etc  |        |       |         |          |
| h   | Proposed Monitoring Mechanism   |   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |        |       |         |          |
| i   | Any other information   |   | Nil   |        |       |         |          |

  
Block Forest Officer  
Forest Block, Gool

  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |   |            |
|--|--|---|------------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                    |   |            |
| File No:   | FP/JK/HYD/150591/2021                            |   |            |
| Date of Proposal:  | 31-12-2021                                       |   |            |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                           |   |            |
| Forest area to be diverted:  | 332.28   | Ha  |            |
| Forest/NFA to be planted   | NA   |   |            |
| No. of trees to be felled  | 79412  |   |            |
| No. of poles/plants to be damaged  | 192617   |   |            |
| No. of plants to be planted  | 664560   |   |            |
| No. of plants to be planted in this Unit   | 7364   |   |            |
| Details of land where C.A. is to be carried out:   |  |   |            |
| Degraded forest land   | Yes  | Area:   | 10.4039 Ha |
| Non-forest land  | NA   | Area:   | NA         |
| Forest Division  | Ramban   |   |            |
| Range :  | Gool   |   |            |
| Compartment  | 26/Ar  |   |            |
| Khasra No. (for non-forest land)   | NA   |   |            |
| C.A Site (Name of the location):   | Narsinga/Gool Jamman                             |   |            |
| CA site (Area)   | 10.4039  |   |            |
| C.A Site Geo Coordinates:  |  |   |            |
| (i) Starting point   | Latitude:- 33°17'0.96"N Longitude:-74°58'10.06"E |   |            |
| (ii) End Point   | Latitude:-33°17'8.20"N Longitude:-74°58'14.63"E  |   |            |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   | NA         |
| a) Soil type:  |  | Clayey to sandy loam  |            |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |            |
| c) Slope: Steep/medium/gentle:   |  | Medium  |            |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |            |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1f- Low Level Blue Pine Forests and 0.10 (Reboisement Working Circle) |            |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 10.4039      | rft  | 5300     | 135           | 7.15500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Fir and other broad leaved species   |   |              | No.  | 5000     | 29.34         | 1.46700          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Rubinia and other broad leaved species   |   |              | No.  | 2364     | 23.17         | 0.54774          |
| 4     | Sowing in Patches Kail and Fir seeds (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 6.99          | 0.06990          |
| 5     | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 7.18          | 0.07180          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | km   | 1.00     | 45221         | 0.45221          |
| 7     | Construction of Water Harvesting Pond (100'x100')  |   |              | No.  | 1        | 300000        | 3.00000          |
| 8     | Soil Conservation Works by means of DRSM   |   |              | cum  | 100      | 1099          | 1.09900          |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 5000     | 8.03          | 0.40150          |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 2364     | 7.44          | 0.17588          |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 5000     | 2.66          | 0.13300          |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 5000     | 2.66          | 0.13300          |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 5000     | 3.83          | 0.19150          |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 1841 | 25%      | 29.34         | 0.54015          |
|       |  | 3rd year maintenance of the plantation  | No.          | 736  | 10%      | 29.34         | 0.21606          |
|       |  | 4th year maintenance of the plantation  | No.          | 368  | 5%       | 29.34         | 0.10803          |
|       |  | 5th year maintenance of the plantation  | No.          | 368  | 5%       | 29.34         | 0.10803          |
|       |  | 6th year maintenance of the plantation  | No.          | 368  | 5%       | 29.34         | 0.10803          |
|       |  | 7th year maintenance of the plantation  | No.          | 368  | 5%       | 29.34         | 0.10803          |
|       |  | 8th year maintenance of the plantation  | No.          | 368  | 5%       | 29.34         | 0.10803          |
|       |  | 9th year maintenance of the plantation  | No.          | 368  | 5%       | 29.34         | 0.10803          |
|       |  | 10th year maintenance of the plantation | No.          | 368  | 5%       | 29.34         | 0.10803          |
|       |  | 3rd year Fencing repair                 | Rft          | 2120 |          | 16.74         | 0.35489          |
|       |  | 5th year Fencing repair                 | Rft          | 3180 |          | 16.74         | 0.53233          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>17.29717</b>  |
| 15    | Watch and Ward of closure for 5 years  |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 16    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 1.72972          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>24.70264</b>  |



| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| <b>a</b>  | General details   | An area of <b>10.4039 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 26/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, , Kail (Pinus Wallichiana), Fir and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs  |
| <b>d</b>  | Species proposed to be planted                                  | Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia, Patch sowing of Kail and Fir seeds, dibbling of HC nuts, etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| <b>i</b>  | Any other information   | Nil  |

  
Block Forest Officer  
Forest Block, Gool

  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |  |  |  |            |          |               |                  |
|--|---|--|--|--|------------|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |   |  | Sawalkot HE Project (1856 MW)                    |  |            |          |               |                  |
| File No:   |   |  | FP/JK/HYD/150591/2021                            |  |            |          |               |                  |
| Date of Proposal:  |   |  | 31-12-2021                                       |  |            |          |               |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):                            |   |  | Ramban Forest Division                           |  |            |          |               |                  |
| Forest area to be diverted:  |   |  | 332.28   |  | Ha         |          |               |                  |
| Forest/NFA to be planted   |   |  | NA   |  |            |          |               |                  |
| No. of trees to be felled  |   |  | 79412  |  |            |          |               |                  |
| No. of poles/plants to be damaged  |   |  | 192617   |  |            |          |               |                  |
| No. of plants to be planted  |   |  | 664560   |  |            |          |               |                  |
| No. of plants to be planted in this Unit   |   |  | 10500  |  |            |          |               |                  |
| Details of land where C.A. is to be carried out:   |   |  |  |  |            |          |               |                  |
| Degraded forest land   |   |  | Yes  | Area:  | 13.0689 Ha |          |               |                  |
| Non-forest land  |   |  | NA   | Area:  | NA         |          |               |                  |
| Forest Division  |   |  | Ramban   |  |            |          |               |                  |
| Range :  |   |  | Gool   |  |            |          |               |                  |
| Compartment  |   |  | 29/Ar  |  |            |          |               |                  |
| Khasra No. (for non-forest land)   |   |  | NA   |  |            |          |               |                  |
| C.A Site (Name of the location):   |   |  | Google Pathri/Gool-A                             |  |            |          |               |                  |
| CA site (Area)   |   |  | 13.0689  |  |            |          |               |                  |
| C.A Site Geo Coordinates:  |   |  |  |  |            |          |               |                  |
| (i) Starting point   |   |  | Latitude:- 33°16'2.35"N Longitude:-74°58'24.57"E |  |            |          |               |                  |
| (ii) End Point   |   |  | Latitude:-33°16'1.79"N Longitude:-74°58'33.19"E  |  |            |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining |   |  |  |  | NA         |          |               |                  |
| a) Soil type:  |   |  |  | Clayey to sandy loam   |            |          |               |                  |
| b) Topography: hilly/undulating/plain:   |   |  |  | Hilly  |            |          |               |                  |
| c) Slope: Steep/medium/gentle:   |   |  |  | Medium   |            |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                   |   |  |  | NA   |            |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                      |   |  |  | 12/C1f- Low Level Blue Pine Forests and 0.05(Reboisement Working Circle) |            |          |               |                  |
| S.No.  | Description   |  |  | Area (in Ha)   | Unit       | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |  |  | 13.0689  | rft        | 5350     | 135           | 7.22250          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Fir and other broad leaved species  |  |  |  | No.        | 6500     | 29.34         | 1.90710          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Rubinia and other broad leaved species  |  |  |  | No.        | 4000     | 23.17         | 0.92680          |
| 4  | Sowing in Patches Kail and Fir seeds (45 x 45 x 15 Cms)   |  |  |  | No.        | 1000     | 6.99          | 0.06990          |
| 5  | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)   |  |  |  | No.        | 1000     | 7.18          | 0.07180          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.   |  |  |  | km         | 1.30     | 45221         | 0.58787          |
| 7  | Construction of Water Harvesting Pond (100'x100')   |  |  |  | No.        | 1        | 300000        | 3.00000          |
| 8  | Soil Conservation Works by means of DRSM  |  |  |  | cum        | 100      | 1099          | 1.09900          |
| 9  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.   |  |  |  | No.        | 6500     | 8.03          | 0.52195          |
| 10   | Raising of Naked Root (Broad Leaved) Plants   |  |  |  | No.        | 4000     | 7.44          | 0.29760          |

|   |   |   |  |      |      |          |          |
|---|---|---|--|------|------|----------|----------|
| 11  | 1st Year Maintenance of Polybagged sapplings                    |   |  | No.  | 6500 | 2.66     | 0.17290  |
| 12  | 2nd Year Maintenance of Polybagged sapplings                    |   |  | No.  | 6500 | 2.66     | 0.17290  |
| 13  | 3rd Year Maintenance of Polybagged sapplings                    |   |  | No.  | 6500 | 3.83     | 0.24895  |
| 14  | Maintenance of the closure for 10 years                         | 2nd year maintenance of the plantation  | No.  | 2625 | 25%  | 29.34    | 0.77018  |
|   |   | 3rd year maintenance of the plantation  | No.  | 1050 | 10%  | 29.34    | 0.30807  |
|   |   | 4th year maintenance of the plantation  | No.  | 525  | 5%   | 29.34    | 0.15404  |
|   |   | 5th year maintenance of the plantation  | No.  | 525  | 5%   | 29.34    | 0.15404  |
|   |   | 6th year maintenance of the plantation  | No.  | 525  | 5%   | 29.34    | 0.15404  |
|   |   | 7th year maintenance of the plantation  | No.  | 525  | 5%   | 29.34    | 0.15404  |
|   |   | 8th year maintenance of the plantation  | No.  | 525  | 5%   | 29.34    | 0.15404  |
|   |   | 9th year maintenance of the plantation  | No.  | 525  | 5%   | 29.34    | 0.15404  |
|   |   | 10th year maintenance of the plantation | No.  | 525  | 5%   | 29.34    | 0.15404  |
|   |   | 3rd year Fencing repair                 | Rft  | 2140 |      | 16.74    | 0.35824  |
|   |   | 5th year Fencing repair                 | Rft  | 3210 |      | 16.74    | 0.53735  |
|   |   | Total                                   |  |      |      | 19.35135 |          |
| 15  | Watch and Ward of closure for 5 years                           |   | M.Days   | 1825 |      | 311      | 5.67575  |
| 16  | Overhead/Miscallenious charges                                  |   |  |      | LS   |          | 1.93514  |
|   | G.Total   |   |  |      |      |          | 26.96224 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |      |      |          |          |
| a   | General details   |   | An area of <b>13.0689 ha</b> with crown density <b>05 %</b> will be taken under Compensatory Afforestation Scheme in <b>Co 29/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, , Kail (Pinus Wallichiana), Fir and other broad leaved species will be planted in the area |      |      |          |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |      |      |          |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |      |      |          |          |
| d   | Species proposed to be planted                                  |   | Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia, Patch sowing of Kail and Fir seeds, dibbling of HC nuts, etc.   |      |      |          |          |
| e   | Silvicultural Operation   |   | The land is alomost barren. It does not require any silviculture operation except protection   |      |      |          |          |
| f   | Soil and moisture conservation works                            |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |      |      |          |          |
| g   | Protection (Fencing , watch & ward, People’s participation etc) |   | The area will be protected by Fencing, people participation, watch and ward by staff etc   |      |      |          |          |
| h   | Proposed Monitoring Mechanism                                   |   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |      |      |          |          |
| i   | Any other information   |   | Nil  |      |      |          |          |

  
Block Forest Officer  
Forest Block, Gool


  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |   |            |
|--|---|---|------------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                     |   |            |
| File No:   | FP/JK/HYD/150591/2021                             |   |            |
| Date of Proposal:  | 31-12-2021  |   |            |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                            |   |            |
| Forest area to be diverted:  | 332.28  | Ha  |            |
| Forest/NFA to be planted   | NA  |   |            |
| No. of trees to be felled  | 79412   |   |            |
| No. of poles/plants to be damaged  | 192617  |   |            |
| No. of plants to be planted  | 664560  |   |            |
| No. of plants to be planted in this Unit   | 8437  |   |            |
| Details of land where C.A. is to be carried out:   |   |   |            |
| Degraded forest land   | Yes   | Area:   | 10.9864 Ha |
| Non-forest land  | NA  | Area:   | NA         |
| Forest Division  | Ramban  |   |            |
| Range :  | Gool  |   |            |
| Compartment  | 59/Ar   |   |            |
| Khasra No. (for non-forest land)   | NA  |   |            |
| C.A Site (Name of the location):   | Dagantop/Dachan-I                                 |   |            |
| CA site (Area)   | 10.9864 Ha  |   |            |
| C.A Site Geo Coordinates:  |   |   |            |
| (i) Starting point   | Latitude:- 33°15'11.18"N Longitude:-74°58'27.03"E |   |            |
| (ii) End Point   | Latitude:-33°14'56.51"N Longitude:- 74°58'49.10"E |   |            |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |   | NA         |
| a) Soil type:  |   | Clayey to sandy loam  |            |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |            |
| c) Slope: Steep/medium/gentle:   |   | Medium  |            |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA  |            |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f- Low Level Blue Pine Forests and 0.05 (Fir Selection Working Circle) |            |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 10.9864      | rft  | 6500     | 135           | 8.77500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir and other broad leaved species  |   |              | No.  | 6000     | 29.34         | 1.76040          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Rubinia and other broad leaved species   |   |              | No.  | 2437     | 23.17         | 0.56465          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |              | No.  | 1000     | 6.99          | 0.06990          |
| 5     | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 7.18          | 0.07180          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | km   | 1.00     | 45221         | 0.45221          |
| 7     | Soil Conservation Works by means of DRSM   |   |              | cum  | 100      | 1099          | 1.09900          |
| 8     | Laying of GI wire crates for plugging gullies and Nallahs <b>(Rate applied is subject to estimate)</b>   |   |              | No.  | 8        | 10000         | 0.80000          |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 6000     | 8.03          | 0.48180          |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 2437     | 7.44          | 0.18131          |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 6000     | 2.66          | 0.15960          |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 6000     | 2.66          | 0.15960          |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 6000     | 3.83          | 0.22980          |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 2109 | 25%      | 29.34         | 0.61885          |
|       |  | 3rd year maintenance of the plantation  | No.          | 844  | 10%      | 29.34         | 0.24754          |
|       |  | 4th year maintenance of the plantation  | No.          | 422  | 5%       | 29.34         | 0.12377          |
|       |  | 5th year maintenance of the plantation  | No.          | 422  | 5%       | 29.34         | 0.12377          |
|       |  | 6th year maintenance of the plantation  | No.          | 422  | 5%       | 29.34         | 0.12377          |
|       |  | 7th year maintenance of the plantation  | No.          | 422  | 5%       | 29.34         | 0.12377          |
|       |  | 8th year maintenance of the plantation  | No.          | 422  | 5%       | 29.34         | 0.12377          |
|       |  | 9th year maintenance of the plantation  | No.          | 422  | 5%       | 29.34         | 0.12377          |
|       |  | 10th year maintenance of the plantation | No.          | 422  | 5%       | 29.34         | 0.12377          |
|       |  | 3rd year Fencing repair                 | Rft          | 2600 |          | 16.74         | 0.43524          |
|       |  | 5th year Fencing repair                 | Rft          | 3900 |          | 16.74         | 0.65286          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>17.62597</b>  |
| 15    | <b>Watch and Ward of closure for 5 years</b>   |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 16    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 1.76260          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>25.06431</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>10.9864 ha</b> with crown density <b>0.05</b> will be taken under Compensatory Afforestation Scheme in <b>Co 59/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, etc.  |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

  
Block Officer  
Forest Block Dehda  
Block Officer

  
Range Officer  
Forest Range  
Gool

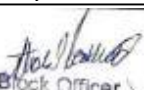
  
Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |   |         |    |
|--|---|---|---------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                     |   |         |    |
| File No:   | FP/JK/HYD/150591/2021                             |   |         |    |
| Date of Proposal:  | 31-12-2021  |   |         |    |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                            |   |         |    |
| Forest area to be diverted:  | 332.28  | Ha  |         |    |
| Forest/NFA to be planted   | NA  |   |         |    |
| No. of trees to be felled  | 79412   |   |         |    |
| No. of poles/plants to be damaged  | 192617  |   |         |    |
| No. of plants to be planted  | 664560  |   |         |    |
| No. of plants to be planted in this Unit   | 10352   |   |         |    |
| Details of land where C.A. is to be carried out:   |   |   |         |    |
| Degraded forest land   | Yes   | Area:   | 14.0434 | Ha |
| Non-forest land  | NA  | Area:   | NA      |    |
| Forest Division  | Ramban  |   |         |    |
| Range :  | Gool  |   |         |    |
| Compartment  | 59/Ar   |   |         |    |
| Khasra No. (for non-forest land)   | NA  |   |         |    |
| C.A Site (Name of the location):   | Dagantop/Dachan-II                                |   |         |    |
| CA site (Area)   | 14.0434   | Ha  |         |    |
| C.A Site Geo Coordinates:  |   |   |         |    |
| (i) Starting point   | Latitude:- 33°15'12.01"N Longitude:-74°58'44.73"E |   |         |    |
| (ii) End Point   | Latitude:-33°14'57.27"N Longitude:- 74°58'58.23"E |   |         |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |   |         | NA |
| a) Soil type:  |   | Clayey to sandy loam  |         |    |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |         |    |
| c) Slope: Steep/medium/gentle:   |   | Medium  |         |    |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA  |         |    |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f- Low Level Blue Pine Forests and 0.10 (Fir Selection Working Circle) |         |    |



| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 14.0434      | rft  | 5300     | 135           | 7.15500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir and other broad leaved species  |   |              | No.  | 7000     | 29.34         | 2.05380          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Rubinia and other broad leaved species   |   |              | No.  | 3351     | 23.17         | 0.77643          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |              | No.  | 1500     | 6.99          | 0.10485          |
| 5     | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)  |   |              | No.  | 1500     | 7.18          | 0.10770          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | km   | 1.40     | 45221         | 0.63309          |
| 7     | Soil Conservation Works by means of DRSM   |   |              | cum  | 120      | 1099          | 1.31880          |
| 8     | Laying of GI wire crates for plugging gullies and Nallahs <b>(Rate applied is subject to estimate)</b>   |   |              | No.  | 8        | 10000         | 0.80000          |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 7000     | 8.03          | 0.56210          |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 3351     | 7.44          | 0.24931          |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 7000     | 2.66          | 0.18620          |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 7000     | 2.66          | 0.18620          |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 7000     | 3.83          | 0.26810          |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 2588 | 25%      | 29.34         | 0.75925          |
|       |  | 3rd year maintenance of the plantation  | No.          | 1035 | 10%      | 29.34         | 0.30370          |
|       |  | 4th year maintenance of the plantation  | No.          | 518  | 5%       | 29.34         | 0.15185          |
|       |  | 5th year maintenance of the plantation  | No.          | 518  | 5%       | 29.34         | 0.15185          |
|       |  | 6th year maintenance of the plantation  | No.          | 518  | 5%       | 29.34         | 0.15185          |
|       |  | 7th year maintenance of the plantation  | No.          | 518  | 5%       | 29.34         | 0.15185          |
|       |  | 8th year maintenance of the plantation  | No.          | 518  | 5%       | 29.34         | 0.15185          |
|       |  | 9th year maintenance of the plantation  | No.          | 518  | 5%       | 29.34         | 0.15185          |
|       |  | 10th year maintenance of the plantation | No.          | 518  | 5%       | 29.34         | 0.15185          |
|       |  | 3rd year Fencing repair                 | Rft          | 2120 |          | 16.74         | 0.35489          |
|       |  | 5th year Fencing repair                 | Rft          | 3180 |          | 16.74         | 0.53233          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>17.41469</b>  |
| 15    | <b>Watch and Ward of closure for 5 years</b>   |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 16    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 1.74147          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>24.83191</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>14.0434 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 59/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, etc.  |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

  
Block Officer  
Forest Block Dehade  
Block Officer


  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |       |        |    |
|--|---|-------|--------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)   |       |        |    |
| File No:   | FP/JK/HYD/150591/2021   |       |        |    |
| Date of Proposal:  | 31-12-2021  |       |        |    |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division  |       |        |    |
| Forest area to be diverted:  | 332.28  | Ha    |        |    |
| Forest/NFA to be planted   | NA  |       |        |    |
| No. of trees to be felled  | 79412   |       |        |    |
| No. of poles/plants to be damaged  | 192617  |       |        |    |
| No. of plants to be planted  | 664560  |       |        |    |
| No. of plants to be planted in this Unit   | 7973  |       |        |    |
| Details of land where C.A. is to be carried out:   |   |       |        |    |
| Degraded forest land   | Yes   | Area: | 11.027 | Ha |
| Non-forest land  | NA  | Area: | NA     |    |
| Forest Division  | Ramban  |       |        |    |
| Range :  | Gool  |       |        |    |
| Compartment  | 59/Ar   |       |        |    |
| Khasra No. (for non-forest land)   | NA  |       |        |    |
| C.A Site (Name of the location):   | Soomwali/Gool-C   |       |        |    |
| CA site (Area)   | 11.027  | Ha    |        |    |
| C.A Site Geo Coordinates:  |   |       |        |    |
| (i) Starting point   | Latitude:- 33°15'19.06"N Longitude:-74°59'4.89"E                            |       |        |    |
| (ii) End Point   | Latitude:-33°15'8.30"N Longitude:-74°59'11.81"E                             |       |        |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |       |        | NA |
| a) Soil type:  | Clayey to sandy loam  |       |        |    |
| b) Topography: hilly/undulating/plain:   | Hilly   |       |        |    |
| c) Slope: Steep/medium/gentle:   | Medium  |       |        |    |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA  |       |        |    |
| e) In case of degraded forest land- description of forest type and crown density:  | 12/C1f- Low Level Blue Pine Forests and 0.10 (Fir Selection Working Circle) |       |        |    |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 11.0270      | rft  | 4600     | 135           | 6.21000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir and other broad leaved species  |   |              | No.  | 5300     | 29.34         | 1.55502          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Rubinia and other broad leaved species   |   |              | No.  | 2673     | 23.17         | 0.61933          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |              | No.  | 1000     | 6.99          | 0.06990          |
| 5     | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 7.18          | 0.07180          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | km   | 1.10     | 45221         | 0.49743          |
| 7     | Construction of Water Harvesting Pond (100'x100')  |   |              | No.  | 1        | 300000        | 3.00000          |
| 8     | Soil Conservation Works by means of DRSM   |   |              | cum  | 50       | 1099          | 0.54950          |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 5300     | 8.03          | 0.42559          |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 2673     | 7.44          | 0.19887          |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 5300     | 2.66          | 0.14098          |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 5300     | 2.66          | 0.14098          |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 5300     | 3.83          | 0.20299          |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 1993 | 25%      | 29.34         | 0.58482          |
|       |  | 3rd year maintenance of the plantation  | No.          | 797  | 10%      | 29.34         | 0.23393          |
|       |  | 4th year maintenance of the plantation  | No.          | 399  | 5%       | 29.34         | 0.11696          |
|       |  | 5th year maintenance of the plantation  | No.          | 399  | 5%       | 29.34         | 0.11696          |
|       |  | 6th year maintenance of the plantation  | No.          | 399  | 5%       | 29.34         | 0.11696          |
|       |  | 7th year maintenance of the plantation  | No.          | 399  | 5%       | 29.34         | 0.11696          |
|       |  | 8th year maintenance of the plantation  | No.          | 399  | 5%       | 29.34         | 0.11696          |
|       |  | 9th year maintenance of the plantation  | No.          | 399  | 5%       | 29.34         | 0.11696          |
|       |  | 10th year maintenance of the plantation | No.          | 399  | 5%       | 29.34         | 0.11696          |
|       |  | 3rd year Fencing repair                 | Rft          | 1840 |          | 16.74         | 0.30802          |
|       |  | 5th year Fencing repair                 | Rft          | 2760 |          | 16.74         | 0.46202          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>16.08993</b>  |
| 15    | <b>Watch and Ward of closure for 5 years</b>   |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 16    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 1.60899          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>23.37467</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>11.0270 ha</b> with crown density <b>10 %</b> will be taken under Compensatory Afforestation Scheme in <b>Co 59/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, etc.  |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

  
Block Officer  
Forest Block Dehda  
Block Officer

  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |   |   |          |               |                  |
|--|--|---|---|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |  |   | Sawalkot HE Project (1856 MW)   |          |               |                  |
| File No:   |  |   | FP/JK/HYD/150591/2021   |          |               |                  |
| Date of Proposal:  |  |   | 31-12-2021  |          |               |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):                            |  |   | Ramban Forest Division  |          |               |                  |
| Forest area to be diverted:  |  |   | 332.28 Ha   |          |               |                  |
| Forest/NFA to be planted   |  |   | NA  |          |               |                  |
| No. of trees to be felled  |  |   | 79412   |          |               |                  |
| No. of poles/plants to be damaged  |  |   | 192617  |          |               |                  |
| No. of plants to be planted  |  |   | 664560  |          |               |                  |
| No. of plants to be planted in this Unit   |  |   | 14266   |          |               |                  |
| Details of land where C.A. is to be carried out:   |  |   |   |          |               |                  |
| Degraded forest land   |  | Yes   | Area:   | 18.9011  | Ha            |                  |
| Non-forest land  |  | NA  | Area:   | NA       |               |                  |
| Forest Division  |  | Ramban  |   |          |               |                  |
| Range :  |  | Gool  |   |          |               |                  |
| Compartment  |  | 61/Ar   |   |          |               |                  |
| Khasra No. (for non-forest land)   |  | NA  |   |          |               |                  |
| C.A Site (Name of the location):   |  | Chamwali/Gool-C                                   |   |          |               |                  |
| CA site (Area)   |  | 18.9011 Ha  |   |          |               |                  |
| C.A Site Geo Coordinates:  |  |   |   |          |               |                  |
| (i) Starting point   |  | Latitude:- 33°14'51.28"N Longitude:-74°59'31.51"E |   |          |               |                  |
| (ii) End Point   |  | Latitude:-33°14'38.22"N Longitude:-74°59'13.06"E  |   |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining |  |   |   |          |               | NA               |
| a) Soil type:  |  |   | Clayey to sandy loam  |          |               |                  |
| b) Topography: hilly/undulating/plain:   |  |   | Hilly   |          |               |                  |
| c) Slope: Steep/medium/gentle:   |  |   | Medium  |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                   |  |   | NA  |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                      |  |   | 12/C1f- Low Level Blue Pine Forests and 0.10 (Fir Selection Working Circle) |          |               |                  |
| S.No.  | Description  | Area (in Ha)                                      | Unit  | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 18.9011   | rft   | 7000     | 135           | 9.45000          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir and other broad leaved species  |   | No.   | 8266     | 29.34         | 2.42524          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Rubinia and other broad leaved species   |   | No.   | 6000     | 23.17         | 1.39020          |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   | No.   | 1400     | 6.99          | 0.09786          |
| 5  | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)  |   | No.   | 1400     | 7.18          | 0.10052          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.  |   | km  | 1.80     | 45221         | 0.81398          |
| 7  | Construction of Water Harvesting Pond (100'x100')  |   | No.   | 1        | 300000        | 3.00000          |
| 8  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   | No.   | 8266     | 8.03          | 0.66376          |
| 9  | Raising of Naked Root (Broad Leaved) Plants  |   | No.   | 6000     | 7.44          | 0.44640          |
| 10   | 1st Year Maintenance of Polybaged sapplings  |   | No.   | 8266     | 2.66          | 0.21988          |
| 11   | 2nd Year Maintenance of Polybaged sapplings  |   | No.   | 8266     | 2.66          | 0.21988          |



|   |   |   |   |        |      |       |          |
|---|---|---|---|--------|------|-------|----------|
| 12  | 3rd Year Maintenance of Polybagged sapplings                    |   |   | No.    | 8266 | 3.83  | 0.31659  |
| 13  | Maintenance of the closure for 10 years                         | 2nd year maintenance of the plantation  | No.   | 3566.5 | 25%  | 29.34 | 1.04641  |
|   |   | 3rd year maintenance of the plantation  | No.   | 1427   | 10%  | 29.34 | 0.41856  |
|   |   | 4th year maintenance of the plantation  | No.   | 713    | 5%   | 29.34 | 0.20928  |
|   |   | 5th year maintenance of the plantation  | No.   | 713    | 5%   | 29.34 | 0.20928  |
|   |   | 6th year maintenance of the plantation  | No.   | 713    | 5%   | 29.34 | 0.20928  |
|   |   | 7th year maintenance of the plantation  | No.   | 713    | 5%   | 29.34 | 0.20928  |
|   |   | 8th year maintenance of the plantation  | No.   | 713    | 5%   | 29.34 | 0.20928  |
|   |   | 9th year maintenance of the plantation  | No.   | 713    | 5%   | 29.34 | 0.20928  |
|   |   | 10th year maintenance of the plantation | No.   | 713    | 5%   | 29.34 | 0.20928  |
|   |   | 3rd year Fencing repair                 | Rft   | 2800   |      | 16.74 | 0.46872  |
|   |   | 5th year Fencing repair                 | Rft   | 4200   |      | 16.74 | 0.70308  |
|   |   | Total                                   |   |        |      |       | 23.24605 |
| 14  | Watch and Ward of closure for 5 years                           |   | M.Days  | 1825   |      | 311   | 5.67575  |
| 15  | Overhead/Miscallenious charges                                  |   |   |        | LS   |       | 2.32461  |
|   | G.Total   |   |   |        |      |       | 31.24641 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |   |        |      |       |          |
| a   | General details   |   | An area of <b>18.9011 ha</b> with crown density <b>10 %</b> will be taken under Compensatory Afforestation Scheme in <b>Co 61/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia and other broad leaved species will be planted in the area |        |      |       |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |        |      |       |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs   |        |      |       |          |
| d   | Species proposed to be planted                                  |   | Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, etc.  |        |      |       |          |
| e   | Silvicultural Operation   |   | The land is alomost barren. It does not require any silviculture operation except protection  |        |      |       |          |
| f   | Soil and moisture conservation works                            |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |        |      |       |          |
| g   | Protection (Fencing , watch & ward, People’s participation etc) |   | The area will be protected by Fencing, people participation, watch and ward by staff etc  |        |      |       |          |
| h   | Proposed Monitoring Mechanism                                   |   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |        |      |       |          |
| i   | Any other information   |   | Nil   |        |      |       |          |

*[Signature]*  
Block Officer  
Forest Block - Dehdes  
Block Officer

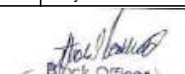
*[Signature]*  
Range Officer  
Forest Range  
Gool

*[Signature]*  
Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |              |   |   |               |                  |
|--|---|--------------|---|---|---------------|------------------|
| Full title of the Forest land Diversion project  |   |              | Sawalkot HE Project (1856 MW)                     |   |               |                  |
| File No:   |   |              | FP/JK/HYD/150591/2021                             |   |               |                  |
| Date of Proposal:  |   |              | 31-12-2021  |   |               |                  |
| Name of the Forest Division (where forest land is  |   |              | Ramban Forest Division                            |   |               |                  |
| Forest area to be diverted:  |   |              | 332.28 Ha   |   |               |                  |
| Forest/NFA to be planted   |   |              | NA  |   |               |                  |
| No. of trees to be felled  |   |              | 79412   |   |               |                  |
| No. of poles/plants to be damaged  |   |              | 192617  |   |               |                  |
| No. of plants to be planted  |   |              | 664560  |   |               |                  |
| No. of plants to be planted in this Unit   |   |              | 3500  |   |               |                  |
| Details of land where C.A. is to be carried out:   |   |              |   |   |               |                  |
| Degraded forest land   |   |              | Yes   | Area:   | 6.0245        | Ha               |
| Non-forest land  |   |              | NA  | Area:   | NA            |                  |
| Forest Division  |   |              | Ramban  |   |               |                  |
| Range :  |   |              | Gool  |   |               |                  |
| Compartment  |   |              | 64/Ar   |   |               |                  |
| Khasra No. (for non-forest land)   |   |              | NA  |   |               |                  |
| C.A Site (Name of the location):   |   |              | Darsa/Dhedha                                      |   |               |                  |
| CA site (Area)   |   |              | 6.0245 Ha   |   |               |                  |
| C.A Site Geo Coordinates:  |   |              |   |   |               |                  |
| (i) Starting point   |   |              | Latitude:- 33°14'6.17"N Longitude:- 74°58'21.07"E |   |               |                  |
| (ii) End Point   |   |              | Latitude:-33°13'56.33"N Longitude:-74°58'23.73"E  |   |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining |   |              |   |   | NA            |                  |
| a) Soil type:  |   |              |   | Clayey to sandy loam  |               |                  |
| b) Topography: hilly/undulating/plain:   |   |              |   | Hilly   |               |                  |
| c) Slope: Steep/medium/gentle:   |   |              |   | Medium  |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                   |   |              |   | NA  |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                      |   |              |   | 12/C1f- Low Level Blue Pine Forests and 0.05 (Reboisement Working Circle) |               |                  |
| S.No.  | Description   | Area (in Ha) | Unit  | Quantity  | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 6.0245       | rft   | 3100  | 135           | 4.18500          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir and other broad leaved species   |              | No.   | 2000  | 29.34         | 0.58680          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Rubinea and other broad leaved species  |              | No.   | 1500  | 23.17         | 0.34755          |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)  |              | No.   | 1224  | 6.99          | 0.08556          |
| 5  | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)   |              | No.   | 1000  | 7.18          | 0.07180          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.   |              | km  | 0.60  | 45221         | 0.27133          |
| 7  | Construction of Water Harvesting Pond (10'x15')   |              | No.   | 1   | 300000        | 3.00000          |
| 8  | Soil Conservation Works by means of DRSM  |              | cum   | 100   | 1099          | 1.09900          |
| 9  | Laying of GI wire crates for plugging gullies and Nallahs (Rate applied is subject to estimate)   |              | No.   | 5   | 10000.00      | 0.50000          |
| 10   | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |              | No.   | 2000  | 8.03          | 0.16060          |



|   |   |   |  |      |      |       |          |
|---|---|---|--|------|------|-------|----------|
| 11  | Raising of Naked Root (Broad Leaved) Plants                     |   |  | No.  | 1500 | 7.44  | 0.11160  |
| 12  | 1st Year Maintenance of Polybaged sapplings                     |   |  | No.  | 2000 | 2.66  | 0.05320  |
| 13  | 2nd Year Maintenance of Polybaged sapplings                     |   |  | No.  | 2000 | 2.66  | 0.05320  |
| 14  | 3rd Year Maintenance of Polybaged sapplings                     |   |  | No.  | 2000 | 3.83  | 0.07660  |
| 15  | Maintenance of the closure for 10 years                         | 2nd year maintenance of the plantation  | No.  | 875  | 25%  | 29.34 | 0.25673  |
|   |   | 3rd year maintenance of the plantation  | No.  | 350  | 10%  | 29.34 | 0.10269  |
|   |   | 4th year maintenance of the plantation  | No.  | 175  | 5%   | 29.34 | 0.05135  |
|   |   | 5th year maintenance of the plantation  | No.  | 175  | 5%   | 29.34 | 0.05135  |
|   |   | 6th year maintenance of the plantation  | No.  | 175  | 5%   | 29.34 | 0.05135  |
|   |   | 7th year maintenance of the plantation  | No.  | 175  | 5%   | 29.34 | 0.05135  |
|   |   | 8th year maintenance of the plantation  | No.  | 175  | 5%   | 29.34 | 0.05135  |
|   |   | 9th year maintenance of the plantation  | No.  | 175  | 5%   | 29.34 | 0.05135  |
|   |   | 10th year maintenance of the plantation | No.  | 175  | 5%   | 29.34 | 0.05135  |
|   |   | 3rd year Fencing repair                 | Rft  | 1240 |      | 16.74 | 0.20758  |
|   |   | 5th year Fencing repair                 | Rft  | 1860 |      | 16.74 | 0.31136  |
|   |   | Total                                   |  |      |      |       | 11.84000 |
| 16  | Watch and Ward of closure for 5 years                           |   | M.Days   | 1825 |      | 311   | 5.67575  |
| 17  | Overhead/Miscallenious charges                                  |   |  |      | LS   |       | 1.18400  |
| G.Total   |   |   |  |      |      |       | 18.69975 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |      |      |       |          |
| a   | General details   |   | An area of <b>6.0245 ha</b> with crown density <b>0.05</b> will be taken under Compensatory Afforestation Scheme in <b>Co 64/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia and other broad leaved species will be planted in the area |      |      |       |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |      |      |       |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |      |      |       |          |
| d   | Species proposed to be planted                                  |   | Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, etc.   |      |      |       |          |
| e   | Silvicultural Operation   |   | The land is alomost barren. It does not require any silviculture operation except protection   |      |      |       |          |
| f   | Soil and moisture conservation works                            |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |      |      |       |          |
| g   | Protection (Fencing , watch & ward, People’s participation etc) |   | The area will be protected by Fencing, people participation, watch and ward by staff etc   |      |      |       |          |
| h   | Proposed Monitoring Mechanism                                   |   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |      |      |       |          |
| i   | Any other information   |   | Nil  |      |      |       |          |


  
Block Officer  
Forest Division  
Block Officer

  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |   |       |          |               |                  |
|--|--|---|-------|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |  | Sawalkot HE Project (1856 MW)   |       |          |               |                  |
| File No:   |  | FP/JK/HYD/150591/2021   |       |          |               |                  |
| Date of Proposal:  |  | 31-12-2021  |       |          |               |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):                            |  | Ramban Forest Division  |       |          |               |                  |
| Forest area to be diverted:  |  | 332.28 Ha   |       |          |               |                  |
| Forest/NFA to be planted   |  | NA  |       |          |               |                  |
| No. of trees to be felled  |  | 79412   |       |          |               |                  |
| No. of poles/plants to be damaged  |  | 192617  |       |          |               |                  |
| No. of plants to be planted  |  | 664560  |       |          |               |                  |
| No. of plants to be planted in this Unit   |  | 2200  |       |          |               |                  |
| Details of land where C.A. is to be carried out:   |  |   |       |          |               |                  |
| Degraded forest land   |  | Yes   | Area: | 4.0279   | Ha            |                  |
| Non-forest land  |  | NA  | Area: | NA       |               |                  |
| Forest Division  |  | Ramban  |       |          |               |                  |
| Range :  |  | Gool  |       |          |               |                  |
| Compartment  |  | 62/Ar   |       |          |               |                  |
| Khasra No. (for non-forest land)   |  | NA  |       |          |               |                  |
| C.A Site (Name of the location):   |  | Kathiawali/Dedha Dachan   |       |          |               |                  |
| CA site (Area)   |  | 4.0279 Ha   |       |          |               |                  |
| C.A Site Geo Coordinates:  |  |   |       |          |               |                  |
| (i) Starting point   |  | Latitude:- 33°14'11.31"N Longitude:-74°59'28.61"E                           |       |          |               |                  |
| (ii) End Point   |  | Latitude:-33°14'8.99"N Longitude:-74°59'40.28"E                             |       |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining |  |   |       |          |               | NA               |
| a) Soil type:  |  | Clayey to sandy loam  |       |          |               |                  |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |       |          |               |                  |
| c) Slope: Steep/medium/gentle:   |  | Medium  |       |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                   |  | NA  |       |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                      |  | 12/C1f- Low Level Blue Pine Forests and 0.05 (Fir Selection Working Circle) |       |          |               |                  |
| S.No.  | Description  | Area (in Ha)  | Unit  | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 4.0279  | rft   | 2900     | 135           | 3.91500          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir and other broad leaved species  |   | No.   | 1200     | 29.34         | 0.35208          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Rubinia and other broad leaved species   |   | No.   | 1000     | 23.17         | 0.23170          |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   | No.   | 800      | 6.99          | 0.05592          |
| 5  | Dibbling in Patches of Walnut, HC nuts (45 x 45 x 15 Cms)  |   | No.   | 826      | 7.18          | 0.05931          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.  |   | km    | 0.40     | 45221         | 0.18088          |
| 7  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   | No.   | 1200     | 8.03          | 0.09636          |
| 8  | Raising of Naked Root (Broad Leaved) Plants  |   | No.   | 1000     | 7.44          | 0.07440          |
| 9  | 1st Year Maintenance of Polybaged sapplings  |   | No.   | 1200     | 2.66          | 0.03192          |
| 10   | 2nd Year Maintenance of Polybaged sapplings  |   | No.   | 1200     | 2.66          | 0.03192          |
| 11   | 3rd Year Maintenance of Polybaged sapplings  |   | No.   | 1200     | 3.83          | 0.04596          |

|   |   |   |  |      |     |       |          |
|---|---|---|--|------|-----|-------|----------|
| 12  | Maintenance of the closure for 10 years                         | 2nd year maintenance of the plantation  | No.  | 550  | 25% | 29.34 | 0.16137  |
|   |   | 3rd year maintenance of the plantation  | No.  | 220  | 10% | 29.34 | 0.06455  |
|   |   | 4th year maintenance of the plantation  | No.  | 110  | 5%  | 29.34 | 0.03227  |
|   |   | 5th year maintenance of the plantation  | No.  | 110  | 5%  | 29.34 | 0.03227  |
|   |   | 6th year maintenance of the plantation  | No.  | 110  | 5%  | 29.34 | 0.03227  |
|   |   | 7th year maintenance of the plantation  | No.  | 110  | 5%  | 29.34 | 0.03227  |
|   |   | 8th year maintenance of the plantation  | No.  | 110  | 5%  | 29.34 | 0.03227  |
|   |   | 9th year maintenance of the plantation  | No.  | 110  | 5%  | 29.34 | 0.03227  |
|   |   | 10th year maintenance of the plantation | No.  | 110  | 5%  | 29.34 | 0.03227  |
|   |   | 3rd year Fencing repair                 | Rft  | 1160 |     | 16.74 | 0.19418  |
|   |   | 5th year Fencing repair                 | Rft  | 1740 |     | 16.74 | 0.29128  |
|   |   | Total                                   |  |      |     |       | 6.01275  |
| 13  | Watch and Ward of closure for 5 years                           |   | M.Days   | 1825 |     | 311   | 5.67575  |
| 14  | Overhead/Miscallenious charges                                  |   |  |      | LS  |       | 0.60127  |
|   | G.Total   |   |  |      |     |       | 12.28977 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |      |     |       |          |
| a   | General details   |   | An area of <b>4.0279 ha</b> with crown density <b>0.05</b> will be taken under Compensatory Afforestation Scheme in <b>Co 62/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia and other broad leaved species will be planted in the area |      |     |       |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualitites and repair of fencing will be done. The plantation will be rain fed.   |      |     |       |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |      |     |       |          |
| d   | Species proposed to be planted                                  |   | Deodar (Cedrus Deodara), Kail (Pinus Wallichiana), Fir, Ulmus, Rubinia, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, etc.   |      |     |       |          |
| e   | Silvicultural Operation   |   | The land is alomost barren. It does not require any silviculture operation except protection   |      |     |       |          |
| f   | Soil and moisture conservation works                            |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |      |     |       |          |
| g   | Protection (Fencing , watch & ward, People’s participation etc) |   | The area will be protected by Fencing, people participation, watch and ward by staff etc   |      |     |       |          |
| h   | Proposed Monitoring Mechanism                                   |   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |      |     |       |          |
| i   | Any other information   |   | Nil  |      |     |       |          |

  
Block Officer  
Forest Block Dehda  
Block Officer

  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |  |  |  |            |          |               |                  |
|--|---|--|--|--|------------|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |   |  | Sawalkot HE Project (1856 MW)                      |  |            |          |               |                  |
| File No:   |   |  | FP/JK/HYD/150591/2021                              |  |            |          |               |                  |
| Date of Proposal:  |   |  | 31-12-2021   |  |            |          |               |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):                            |   |  | Ramban Forest Division                             |  |            |          |               |                  |
| Forest area to be diverted:  |   |  | 332.28 Ha  |  |            |          |               |                  |
| Forest/NFA to be planted   |   |  | NA   |  |            |          |               |                  |
| No. of trees to be felled  |   |  | 79412  |  |            |          |               |                  |
| No. of poles/plants to be damaged  |   |  | 192617   |  |            |          |               |                  |
| No. of plants to be planted  |   |  | 664560   |  |            |          |               |                  |
| No. of plants to be planted in this Unit   |   |  | 7782   |  |            |          |               |                  |
| Details of land where C.A. is to be carried out:   |   |  |  |  |            |          |               |                  |
| Degraded forest land   |   |  | Yes  | Area:  | 11.0914 Ha |          |               |                  |
| Non-forest land  |   |  | NA   | Area:  | NA         |          |               |                  |
| Forest Division  |   |  | Ramban   |  |            |          |               |                  |
| Range :  |   |  | Gool   |  |            |          |               |                  |
| Compartment  |   |  | 8/Ar   |  |            |          |               |                  |
| Khasra No. (for non-forest land)   |   |  | NA   |  |            |          |               |                  |
| C.A Site (Name of the location):   |   |  | Meghdhar/Sumber Upper-B                            |  |            |          |               |                  |
| CA site (Area)   |   |  | 11.0914  |  |            |          |               |                  |
| C.A Site Geo Coordinates:  |   |  |  |  |            |          |               |                  |
| (i) Starting point   |   |  | Latitude:- 33°16'3.12"N Longitude:-75° 6'28.11"E   |  |            |          |               |                  |
| (ii) End Point   |   |  | Latitude:- 33°15'52.42"N Longitude:- 75° 6'29.52"E |  |            |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining |   |  |  |  | NA         |          |               |                  |
| a) Soil type:  |   |  |  | Clayey to sandy loam   |            |          |               |                  |
| b) Topography: hilly/undulating/plain:   |   |  |  | Hilly  |            |          |               |                  |
| c) Slope: Steep/medium/gentle:   |   |  |  | Medium   |            |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                   |   |  |  | NA   |            |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                      |   |  |  | 9/C1b- Himalayan Chir Pine Forests and 0.10 (Ecological Conservation Working Circle) |            |          |               |                  |
| S.No.  | Description   |  |  | Area (in Ha)   | Unit       | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |  |  | 11.0914  | rft        | 4700     | 135           | 6.34500          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species  |  |  |  | No.        | 1782     | 29.34         | 0.52284          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana (Punica granatum), and other broad leaved species  |  |  |  | No.        | 6000     | 23.17         | 1.39020          |
| 4  | Sowing in Patches Santha seeds (45 x 45 x 15 Cms)   |  |  |  | No.        | 1200     | 6.99          | 0.08388          |
| 5  | Dibbling in Patches of Chir and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |  |  |  | No.        | 1000     | 7.18          | 0.07180          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.   |  |  |  | km         | 1.10     | 45221         | 0.49743          |
| 7  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.   |  |  |  | No.        | 1782     | 8.03          | 0.14309          |
| 8  | Raising of Naked Root (Broad Leaved) Plants   |  |  |  | No.        | 6000     | 7.44          | 0.44640          |
| 9  | 1st Year Maintenance of Polybaged sapplings   |  |  |  | No.        | 1782     | 2.66          | 0.04740          |
| 10   | 2nd Year Maintenance of Polybaged sapplings   |  |  |  | No.        | 1782     | 2.66          | 0.04740          |

|    |   |   |        |        |      |       |                 |
|----|---|---|--------|--------|------|-------|-----------------|
| 11 | 3rd Year Maintenance of Polybaged sapplings |   |        | No.    | 1782 | 3.83  | 0.06825         |
| 12 | Maintenance of the closure for 10 years     | 2nd year maintenance of the plantation  | No.    | 1945.5 | 25%  | 29.34 | 0.57081         |
|    |   | 3rd year maintenance of the plantation  | No.    | 778    | 10%  | 29.34 | 0.22832         |
|    |   | 4th year maintenance of the plantation  | No.    | 389    | 5%   | 29.34 | 0.11416         |
|    |   | 5th year maintenance of the plantation  | No.    | 389    | 5%   | 29.34 | 0.11416         |
|    |   | 6th year maintenance of the plantation  | No.    | 389    | 5%   | 29.34 | 0.11416         |
|    |   | 7th year maintenance of the plantation  | No.    | 389    | 5%   | 29.34 | 0.11416         |
|    |   | 8th year maintenance of the plantation  | No.    | 389    | 5%   | 29.34 | 0.11416         |
|    |   | 9th year maintenance of the plantation  | No.    | 389    | 5%   | 29.34 | 0.11416         |
|    |   | 10th year maintenance of the plantation | No.    | 389    | 5%   | 29.34 | 0.11416         |
|    |   | 3rd year Fencing repair                 | Rft    | 1880   |      | 16.74 | 0.31471         |
|    |   | 5th year Fencing repair                 | Rft    | 2820   |      | 16.74 | 0.47207         |
|    |   | <b>Total</b>                            |        |        |      |       | <b>12.04874</b> |
| 13 | Watch and Ward of closure for 5 years       |   | M.Days | 1825   |      | 311   | 5.67575         |
| 14 | Overhead/Miscallenious charges              |   |        |        | LS   |       | 1.20487         |
|    | <b>G.Total</b>                              |   |        |        |      |       | <b>18.92937</b> |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of <b>11.0914 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 8/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

Block Forest Officer  
Forest Block

Range Officer  
Forest Range  
Gool

Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |       |           |
|--|---|-------|-----------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)   |       |           |
| File No:   | FP/JK/HYD/150591/2021   |       |           |
| Date of Proposal:  | 31-12-2021  |       |           |
| Name of the Forest Division (where forest land is proposed to be diverted):                  | Ramban Forest Division  |       |           |
| Forest area to be diverted:  | 332.28  | Ha    |           |
| Forest/NFA to be planted   | NA  |       |           |
| No. of trees to be felled  | 79412   |       |           |
| No. of poles/plants to be damaged  | 192617  |       |           |
| No. of plants to be planted  | 664560  |       |           |
| No. of plants to be planted in this Unit   | 5500  |       |           |
| Details of land where C.A. is to be carried out:   |   |       |           |
| Degraded forest land   | Yes   | Area: | 9.9986 Ha |
| Non-forest land  | NA  | Area: | NA        |
| Forest Division  | Ramban  |       |           |
| Range :  | Gool  |       |           |
| Compartment  | 7/Ar  |       |           |
| Khasra No. (for non-forest land)   | NA  |       |           |
| C.A Site (Name of the location):   | Muradbass/Sumber Upper-A-I  |       |           |
| CA site (Area)   | 9.9986  |       |           |
| C.A Site Geo Coordinates:  |   |       |           |
| (i) Starting point   | Latitude:-33°16'9.09"N Longitude:-75° 7'56.84"E                             |       |           |
| (ii) End Point   | Latitude:- 33°15'56.18"N Longitude:-75° 8'5.17"E                            |       |           |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the |   |       | NA        |
| a) Soil type:  | Clayey to sandy loam  |       |           |
| b) Topography: hilly/undulating/plain:   | Hilly   |       |           |
| c) Slope: Steep/medium/gentle:   | Medium  |       |           |
| d) For non-forest land - description of existing vegetation/root stock and density :         | NA  |       |           |
| e) In case of degraded forest land- description of forest type and crown density:            | 9/C1b- Himalayan Chir Pine Forests and 0.10 (Chir Irregular Working Circle) |       |           |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 9.9986       | rft  | 5400     | 135           | 7.29000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chirpine (Pinus roxburghii) and other broad leaved species   |   |              | No.  | 500      | 29.34         | 0.14670          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj and other broad leaved species   |   |              | No.  | 5000     | 23.17         | 1.15850          |
| 4     | Sowing in Patches Melia azarachtica and Rubinea seeds (45 x 45 x 15 Cms)   |   |              | No.  | 2000     | 6.99          | 0.13980          |
| 5     | Dibbling in Patches of Walnut (45 x 45 x 15 Cms)   |   |              | No.  | 2000     | 7.18          | 0.14360          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | km   | 0.90     | 45221         | 0.40699          |
| 7     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 500      | 8.03          | 0.04015          |
| 8     | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 5000     | 7.44          | 0.37200          |
| 9     | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 500      | 2.66          | 0.01330          |
| 10    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 500      | 2.66          | 0.01330          |
| 11    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 500      | 3.83          | 0.01915          |
| 12    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 1375 | 25%      | 29.34         | 0.40343          |
|       |  | 3rd year maintenance of the plantation  | No.          | 550  | 10%      | 29.34         | 0.16137          |
|       |  | 4th year maintenance of the plantation  | No.          | 275  | 5%       | 29.34         | 0.08069          |
|       |  | 5th year maintenance of the plantation  | No.          | 275  | 5%       | 29.34         | 0.08069          |
|       |  | 6th year maintenance of the plantation  | No.          | 275  | 5%       | 29.34         | 0.08069          |
|       |  | 7th year maintenance of the plantation  | No.          | 275  | 5%       | 29.34         | 0.08069          |
|       |  | 8th year maintenance of the plantation  | No.          | 275  | 5%       | 29.34         | 0.08069          |
|       |  | 9th year maintenance of the plantation  | No.          | 275  | 5%       | 29.34         | 0.08069          |
|       |  | 10th year maintenance of the plantation | No.          | 275  | 5%       | 29.34         | 0.08069          |
|       |  | 3rd year Fencing repair                 | Rft          | 2160 |          | 16.74         | 0.36158          |
|       |  | 5th year Fencing repair                 | Rft          | 3240 |          | 16.74         | 0.54238          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>11.77704</b>  |
| 13    | <b>Watch and Ward of closure for 5 years</b>   |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 14    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 1.17770          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>18.63049</b>  |



| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| <b>a</b>  | General details   | An area of <b>9.9986 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 7/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chirpine (Pinus roxburghii), Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs  |
| <b>d</b>  | Species proposed to be planted                                  | Chirpine (Pinus roxburghii), Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj, Patch sowing of Melia azarachtica and Rubinea seedss, dibbling of Walnut etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| <b>i</b>  | Any other information   | Nil  |

Block Forest Officer  
Forest Block  
Sangli

Range Officer  
Forest Range  
Gool

Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |  |   |            |               |                  |
|--|---|--|---|------------|---------------|------------------|
| Full title of the Forest land Diversion project  |   | Sawalkot HE Project (1856 MW)                    |   |            |               |                  |
| File No:   |   | FP/JK/HYD/150591/2021                            |   |            |               |                  |
| Date of Proposal:  |   | 31-12-2021                                       |   |            |               |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):                            |   | Ramban Forest Division                           |   |            |               |                  |
| Forest area to be diverted:  |   | 332.28 Ha  |   |            |               |                  |
| Forest/NFA to be planted   |   | NA   |   |            |               |                  |
| No. of trees to be felled  |   | 79412  |   |            |               |                  |
| No. of poles/plants to be damaged  |   | 192617   |   |            |               |                  |
| No. of plants to be planted  |   | 664560   |   |            |               |                  |
| No. of plants to be planted in this Unit   |   | 17564  |   |            |               |                  |
| Details of land where C.A. is to be carried out:   |   |  |   |            |               |                  |
| Degraded forest land   |   | Yes  | Area:   | 25.0712 Ha |               |                  |
| Non-forest land  |   | NA   | Area:   | NA         |               |                  |
| Forest Division  |   | Ramban   |   |            |               |                  |
| Range :  |   | Gool   |   |            |               |                  |
| Compartment  |   | 7/Ar   |   |            |               |                  |
| Khasra No. (for non-forest land)   |   | NA   |   |            |               |                  |
| C.A Site (Name of the location):   |   | Muradbass/Sumber Upper-A-II                      |   |            |               |                  |
| CA site (Area)   |   | 25.0712  |   |            |               |                  |
| C.A Site Geo Coordinates:  |   |  |   |            |               |                  |
| (i) Starting point   |   | Latitude:-33°15'46.20"N Longitude:-75° 7'50.19"E |   |            |               |                  |
| (ii) End Point   |   | Latitude:-33°15'25.10"N Longitude:-75° 7'44.40"E |   |            |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining |   |  |   | NA         |               |                  |
| a) Soil type:  |   |  | Clayey to sandy loam  |            |               |                  |
| b) Topography: hilly/undulating/plain:   |   |  | Hilly   |            |               |                  |
| c) Slope: Steep/medium/gentle:   |   |  | Medium  |            |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                   |   |  | NA  |            |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                      |   |  | 9/C1b- Himalayan Chir Pine Forests and 0.10 (Chir Irregular Working Circle) |            |               |                  |
| S.No.  | Description   | Area (in Ha)                                     | Unit  | Quantity   | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 25.0712  | rft   | 7100       | 135           | 9.58500          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chirpine (Pinus roxburghii)and other broad leaved species   |  | No.   | 2564       | 29.34         | 0.75228          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj and other broad leaved species  |  | No.   | 15000      | 23.17         | 3.47550          |
| 4  | Sowing in Patches Melia azarachtica and Rubinea seeds (45 x 45 x 15 Cms)  |  | No.   | 2500       | 6.99          | 0.17475          |
| 5  | Dibbling in Patches of Walnut (45 x 45 x 15 Cms)  |  | No.   | 2500       | 7.18          | 0.17950          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.   |  | km  | 2.00       | 45221         | 0.90442          |
| 7  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.   |  | No.   | 2564       | 8.03          | 0.20589          |
| 8  | Raising of Naked Root (Broad Leaved) Plants   |  | No.   | 15000      | 7.44          | 1.11600          |
| 9  | 1st Year Maintenance of Polybaged sapplings   |  | No.   | 2564       | 2.66          | 0.06820          |

|    |   |   |        |      |      |          |          |
|----|---|---|--------|------|------|----------|----------|
| 10 | 2nd Year Maintenance of Polybaged sapplings |   |        | No.  | 2564 | 2.66     | 0.06820  |
| 11 | 3rd Year Maintenance of Polybaged sapplings |   |        | No.  | 2564 | 3.83     | 0.09820  |
| 12 | Maintenance of the closure for 10 years     | 2nd year maintenance of the plantation  | No.    | 4391 | 25%  | 29.34    | 1.28832  |
|    |   | 3rd year maintenance of the plantation  | No.    | 1756 | 10%  | 29.34    | 0.51533  |
|    |   | 4th year maintenance of the plantation  | No.    | 878  | 5%   | 29.34    | 0.25766  |
|    |   | 5th year maintenance of the plantation  | No.    | 878  | 5%   | 29.34    | 0.25766  |
|    |   | 6th year maintenance of the plantation  | No.    | 878  | 5%   | 29.34    | 0.25766  |
|    |   | 7th year maintenance of the plantation  | No.    | 878  | 5%   | 29.34    | 0.25766  |
|    |   | 8th year maintenance of the plantation  | No.    | 878  | 5%   | 29.34    | 0.25766  |
|    |   | 9th year maintenance of the plantation  | No.    | 878  | 5%   | 29.34    | 0.25766  |
|    |   | 10th year maintenance of the plantation | No.    | 878  | 5%   | 29.34    | 0.25766  |
|    |   | 3rd year Fencing repair                 | Rft    | 2840 |      | 16.74    | 0.47542  |
|    |   | 5th year Fencing repair                 | Rft    | 4260 |      | 16.74    | 0.71312  |
|    |   | Total                                   |        |      |      | 21.42378 |          |
| 13 | Watch and Ward of closure for 5 years       |   | M.Days | 1825 |      | 311      | 5.67575  |
| 14 | Overhead/Miscallenious charges              |   |        |      | LS   |          | 2.14238  |
|    | G.Total                                     |   |        |      |      |          | 29.24190 |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>25.0712 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 7/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chirpine (Pinus roxburghii), Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | hirpine (Pinus roxburghii), Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj, Patch sowing of Melia azarachtica and Rubinea seedss, dibbling of Walnut etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is alomost barren. It does not require any silviculture operation except protection  |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

Block Forest Officer  
Forest Block

Range Officer  
Forest Range  
Gool

Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |       |         |    |
|--|--|-------|---------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)  |       |         |    |
| File No:   | FP/JK/HYD/150591/2021  |       |         |    |
| Date of Proposal:  | 31-12-2021   |       |         |    |
| Name of the Forest Division (where forest land is proposed to be diverted):                  | Ramban Forest Division   |       |         |    |
| Forest area to be diverted:  | 332.28 Ha  |       |         |    |
| Forest/NFA to be planted   | NA   |       |         |    |
| No. of trees to be felled  | 79412  |       |         |    |
| No. of poles/plants to be damaged  | 192617   |       |         |    |
| No. of plants to be planted  | 664560   |       |         |    |
| No. of plants to be planted in this Unit   | 17554  |       |         |    |
| Details of land where C.A. is to be carried out:   |  |       |         |    |
| Degraded forest land   | Yes  | Area: | 27.9519 | Ha |
| Non-forest land  | NA   | Area: | NA      |    |
| Forest Division  | Ramban   |       |         |    |
| Range :  | Gool   |       |         |    |
| Compartment  | 8/Ar   |       |         |    |
| Khasra No. (for non-forest land)   | NA   |       |         |    |
| C.A Site (Name of the location):   | Jignabass/Sumber Upper-B   |       |         |    |
| CA site (Area)   | 27.9519  |       |         |    |
| C.A Site Geo Coordinates:  |  |       |         |    |
| (i) Starting point   | Latitude:-33°15'49.59"N Longitude:-75° 6'0.84"E                                      |       |         |    |
| (ii) End Point   | Latitude:-33°15'41.59"N Longitude:-75° 5'34.15"E                                     |       |         |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the |  |       |         | NA |
| a) Soil type:  | Clayey to sandy loam   |       |         |    |
| b) Topography: hilly/undulating/plain:   | Hilly  |       |         |    |
| c) Slope: Steep/medium/gentle:   | Medium   |       |         |    |
| d) For non-forest land - description of existing vegetation/root stock and density :         | NA   |       |         |    |
| e) In case of degraded forest land- description of forest type and crown density:            | 9/C1b- Himalayan Chir Pine Forests and 0.10 (Ecological Conservation Working Circle) |       |         |    |

| S.No. | Description   |   | Area (in Ha) | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|---|---|--------------|--------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 27.9519      | rft    | 9600     | 135           | 12.96000         |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chirpine (Pinus roxburghii) and other broad leaved species  |   |              | No.    | 4554     | 29.34         | 1.33614          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj and other broad leaved species  |   |              | No.    | 13000    | 23.17         | 3.01210          |
| 4     | Sowing in Patches Melia azarachtica and Rubinea seeds (45 x 45 x 15 Cms)  |   |              | No.    | 4500     | 6.99          | 0.31455          |
| 5     | Dibbling in Patches of Walnut (45 x 45 x 15 Cms)  |   |              | No.    | 4500     | 7.18          | 0.32310          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.   |   |              | km     | 2.00     | 45221         | 0.90442          |
| 7     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.   |   |              | No.    | 4554     | 8.03          | 0.36569          |
| 8     | Raising of Naked Root (Broad Leaved) Plants   |   |              | No.    | 13000    | 7.44          | 0.96720          |
| 9     | 1st Year Maintenance of Polybaged sapplings   |   |              | No.    | 4554     | 2.66          | 0.12114          |
| 10    | 2nd Year Maintenance of Polybaged sapplings   |   |              | No.    | 4554     | 2.66          | 0.12114          |
| 11    | 3rd Year Maintenance of Polybaged sapplings   |   |              | No.    | 4554     | 3.83          | 0.17442          |
| 12    | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.          | 4388.5 | 25%      | 29.34         | 1.28759          |
|       |   | 3rd year maintenance of the plantation  | No.          | 1755   | 10%      | 29.34         | 0.51503          |
|       |   | 4th year maintenance of the plantation  | No.          | 878    | 5%       | 29.34         | 0.25752          |
|       |   | 5th year maintenance of the plantation  | No.          | 878    | 5%       | 29.34         | 0.25752          |
|       |   | 6th year maintenance of the plantation  | No.          | 878    | 5%       | 29.34         | 0.25752          |
|       |   | 7th year maintenance of the plantation  | No.          | 878    | 5%       | 29.34         | 0.25752          |
|       |   | 8th year maintenance of the plantation  | No.          | 878    | 5%       | 29.34         | 0.25752          |
|       |   | 9th year maintenance of the plantation  | No.          | 878    | 5%       | 29.34         | 0.25752          |
|       |   | 10th year maintenance of the plantation | No.          | 878    | 5%       | 29.34         | 0.25752          |
|       |   | 3rd year Fencing repair                 | Rft          | 3840   |          | 16.74         | 0.64282          |
|       |   | 5th year Fencing repair                 | Rft          | 5760   |          | 16.74         | 0.96422          |
|       |   | <b>Total</b>                            |              |        |          |               | <b>25.81217</b>  |
| 13    | Watch and Ward of closure for 5 years   |   | M.Days       | 1825   |          | 311           | 5.67575          |
| 14    | Overhead/Miscallenious charges  |   |              |        | LS       |               | 2.58122          |
|       | <b>G.Total</b>  |   |              |        |          |               | <b>34.06914</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>27.9519 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 8/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chirpine (Pinus roxburghii), Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | hirpine (Pinus roxburghii), Melia azarachtica (Dhreenkh), Apple, Rubinea, Banj, Patch sowing of Melia azarachtica and Rubinea seedss, dibbling of Walnut etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is alomost barren. It does not require any silviculture operation except protection  |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

Block Forest Officer  
Forest Block  
Sardar

Range Officer  
Forest Range  
Gool

Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |  |  |          |          |                  |
|--|---|--|--|----------|----------|------------------|
| Full title of the Forest land Diversion project  |   | Sawalkot HE Project (1856 MW)                    |  |          |          |                  |
| File No:   |   | FP/JK/HYD/150591/2021                            |  |          |          |                  |
| Date of Proposal:  |   | 31-12-2021                                       |  |          |          |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):              |   | Ramban Forest Division                           |  |          |          |                  |
| Forest area to be diverted:  |   | 332.28 Ha  |  |          |          |                  |
| Forest/NFA to be planted   |   | NA   |  |          |          |                  |
| No. of trees to be felled  |   | 79412  |  |          |          |                  |
| No. of poles/plants to be damaged  |   | 192617   |  |          |          |                  |
| No. of plants to be planted  |   | 664560   |  |          |          |                  |
| No. of plants to be planted in this Unit   |   | 5084   |  |          |          |                  |
| Details of land where C.A. is to be carried out:   |   |  |  |          |          |                  |
| Degraded forest land   |   | Yes  | Area:  | 10.09 Ha |          |                  |
| Non-forest land  |   | NA   | Area:  | NA       |          |                  |
| Forest Division  |   | Ramban   |  |          |          |                  |
| Range :  |   | Gool   |  |          |          |                  |
| Compartment  |   | 8/Ar   |  |          |          |                  |
| Khasra No. (for non-forest land)   |   | NA   |  |          |          |                  |
| C.A Site (Name of the location):   |   | Gagar/Sumber Upper-B                             |  |          |          |                  |
| CA site (Area)   |   | 10.0939  |  |          |          |                  |
| C.A Site Geo Coordinates:  |   |  |  |          |          |                  |
| (i) Starting point   |   | Latitude:- 33°16'6.08"N Longitude:-75° 4'59.64"E |  |          |          |                  |
| (ii) End Point   |   | Latitude:- 33°15'54.98"N Longitude:-75° 5'7.53"E |  |          |          |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from |   |  |  |          |          | NA               |
| a) Soil type:  |   |  | Clayey to sandy loam   |          |          |                  |
| b) Topography: hilly/undulating/plain:   |   |  | Hilly  |          |          |                  |
| c) Slope: Steep/medium/gentle:   |   |  | Medium   |          |          |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :     |   |  | NA   |          |          |                  |
| e) In case of degraded forest land- description of forest type and crown density:        |   |  | 9/C1b- Himalayan Chir Pine Forests and 0.10 (Ecological Conservation Working |          |          |                  |
| S.No.  | Description   | Area (in Ha)                                     | Unit   | Quantity | Rate Per | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 10.0939  | rft  | 4900     | 135      | 6.61500          |
| 2  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Melia azarachtica (Dhreenkh), Apple, Rubinea, Ulmus, Apricot and other broad leaved species  |  | No.  | 5084     | 23.17    | 1.17796          |
| 3  | Sowing in Patches Melia azarachtica and Rubinea seeds (45 x 45 x 15 Cms)  |  | No.  | 2000     | 6.99     | 0.13980          |



|    |   |   |        |      |      |       |          |
|----|---|---|--------|------|------|-------|----------|
| 4  | Dibbling in Patches of Walnut (45 x 45 x 15 Cms)                            |   |        | No.  | 2000 | 7.18  | 0.14360  |
| 5  | Construction of inspection Path 1.5 meter wide with standard specification. |   |        | km   | 1.00 | 45221 | 0.45221  |
| 6  | Soil Conservation Works by means of DRSM                                    |   |        | cum  | 100  | 1099  | 1.09900  |
| 7  | Raising of Naked Root (Broad Leaved) Plants                                 |   |        | No.  | 5084 | 7.44  | 0.37825  |
| 8  | 1st Year Maintenance of Polybaged sapplings                                 |   |        | No.  | 0    | 2.66  | 0.00000  |
| 9  | 2nd Year Maintenance of Polybaged sapplings                                 |   |        | No.  | 0    | 2.66  | 0.00000  |
| 10 | 3rd Year Maintenance of Polybaged sapplings                                 |   |        | No.  | 0    | 3.83  | 0.00000  |
| 11 | Maintenance of the closure for 10 years                                     | 2nd year maintenance of the plantation  | No.    | 1271 | 25%  | 29.34 | 0.37291  |
|    |   | 3rd year maintenance of the plantation  | No.    | 508  | 10%  | 29.34 | 0.14916  |
|    |   | 4th year maintenance of the plantation  | No.    | 254  | 5%   | 29.34 | 0.07458  |
|    |   | 5th year maintenance of the plantation  | No.    | 254  | 5%   | 29.34 | 0.07458  |
|    |   | 6th year maintenance of the plantation  | No.    | 254  | 5%   | 29.34 | 0.07458  |
|    |   | 7th year maintenance of the plantation  | No.    | 254  | 5%   | 29.34 | 0.07458  |
|    |   | 8th year maintenance of the plantation  | No.    | 254  | 5%   | 29.34 | 0.07458  |
|    |   | 9th year maintenance of the plantation  | No.    | 254  | 5%   | 29.34 | 0.07458  |
|    |   | 10th year maintenance of the plantation | No.    | 254  | 5%   | 29.34 | 0.07458  |
|    |   | 3rd year Fencing repair                 | Rft    | 1960 |      | 16.74 | 0.32810  |
|    |   | 5th year Fencing repair                 | Rft    | 2940 |      | 16.74 | 0.49216  |
|    |   | Total                                   |        |      |      |       | 11.87023 |
| 12 | Watch and Ward of closure for 5 years                                       |   | M.Days | 1825 |      | 311   | 5.67575  |
| 13 | Overhead/Miscallenious charges  |   |        |      | LS   |       | 1.18702  |
|    | G.Total   |   |        |      |      |       | 18.73301 |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |  |   |
|---|--|---|
| <b>a</b>  | General details  | An area of <b>10.0939 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 8/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chirpine (Pinus roxburghii), Melia azarachtica (Dhreenkh), Apple, Rubinea, Ulmus, Apricot and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing  | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                 | Chirpine (Pinus roxburghii), Melia azarachtica (Dhreenkh), Apple, Rubinea, Ulmus, Apricot, Patch sowing of Melia azarachtica and Rubinea seeds, dibbling of   |
| <b>e</b>  | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                           | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing, watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from  |
| <b>i</b>  | Any other information  | Nil   |

Block Forest Officer  
Forest Block

Range Officer  
Forest Range  
Gool

Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |                               |            |          |               |                  |
|--|---|-------------------------------|------------|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |   | Sawalkot HE Project (1856 MW) |            |          |               |                  |
| File No:   |   | FP/JK/HYD/150591/2021         |            |          |               |                  |
| Date of Proposal:  |   | 31-12-2021                    |            |          |               |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):                  |   | Ramban Forest Division        |            |          |               |                  |
| Forest area to be diverted:  |   | 332.28 Ha                     |            |          |               |                  |
| Forest/NFA to be planted   |   | NA                            |            |          |               |                  |
| No. of trees to be felled  |   | 79412                         |            |          |               |                  |
| No. of poles/plants to be damaged  |   | 192617                        |            |          |               |                  |
| No. of plants to be planted  |   | 664560                        |            |          |               |                  |
| No. of plants to be planted in this Unit   |   | 11562                         |            |          |               |                  |
| Details of land where C.A. is to be carried out:   |   |                               |            |          |               |                  |
| Degraded forest land   | Yes   | Area:                         | 15.2903 Ha |          |               |                  |
| Non-forest land  | NA  | Area:                         | NA         |          |               |                  |
| Forest Division  | Ramban  |                               |            |          |               |                  |
| Range :  | Gool  |                               |            |          |               |                  |
| Compartment  | 51/Ar   |                               |            |          |               |                  |
| Khasra No. (for non-forest land)   | NA  |                               |            |          |               |                  |
| C.A Site (Name of the location):   | Sharora Brala/Seripura  |                               |            |          |               |                  |
| CA site (Area)   | 15.2903   |                               |            |          |               |                  |
| C.A Site Geo Coordinates:  |   |                               |            |          |               |                  |
| (i) Starting point   | Latitude:- 33°15'40.22"N Longitude:-75° 1'53.04"E   |                               |            |          |               |                  |
| (ii) End Point   | Latitude:-33°15'38.29"N Longitude:- 75° 2'1.70"E  |                               |            |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the |   |                               |            |          |               | NA               |
| a) Soil type:  | Clayey to sandy loam  |                               |            |          |               |                  |
| b) Topography: hilly/undulating/plain:   | Hilly   |                               |            |          |               |                  |
| c) Slope: Steep/medium/gentle:   | Medium  |                               |            |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :         | NA  |                               |            |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:            | 12/C1f- Low Level Blue Pine Forests and 0.20 (Chir Irregular Working Circle)  |                               |            |          |               |                  |
| S.No.  | Description   | Area (in Ha)                  | Unit       | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 15.2903                       | rft        | 5800     | 135           | 7.83000          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species  |                               | No.        | 6562     | 29.34         | 1.92529          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana (Punica granatum), and other broad leaved species  |                               | No.        | 5000     | 23.17         | 1.15850          |
| 4  | Sowing in Patches Chir seeds (45 x 45 x 15 Cms)   |                               | No.        | 1200     | 6.99          | 0.08388          |
| 5  | Dibbling in Patches of Chir and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |                               | No.        | 1000     | 7.18          | 0.07180          |
| 6  | Sowing of Grasses in Patches Red clover etc (45 x 45 x 15 Cms)  |                               | No.        | 1000     | 6.35          | 0.06350          |

|   |   |   |  |        |      |       |          |
|---|---|---|--|--------|------|-------|----------|
| 7   | Construction of inspection Path 1.5 meter wide with standard specification.   |   |  | km     | 1.50 | 45221 | 0.67832  |
| 8   | Construction of permanent fireline 10 mtr wide with standard specification.   |   |  | Km     | 1    | 29250 | 0.29250  |
| 9   | Soil Conservation Works by means of DRSM  |   |  | cum    | 300  | 1099  | 3.29700  |
| 10  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation. |   |  | No.    | 6562 | 8.03  | 0.52693  |
| 11  | Raising of Naked Root (Broad Leaved) Plants   |   |  | No.    | 5000 | 7.44  | 0.37200  |
| 12  | 1st Year Maintenance of Polybaged sapplings   |   |  | No.    | 6562 | 2.66  | 0.17455  |
| 13  | 2nd Year Maintenance of Polybaged sapplings   |   |  | No.    | 6562 | 2.66  | 0.17455  |
| 14  | 3rd Year Maintenance of Polybaged sapplings   |   |  | No.    | 6562 | 3.83  | 0.25132  |
| 15  | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.  | 2890.5 | 25%  | 29.34 | 0.84807  |
|   |   | 3rd year maintenance of the plantation  | No.  | 1156   | 10%  | 29.34 | 0.33923  |
|   |   | 4th year maintenance of the plantation  | No.  | 578    | 5%   | 29.34 | 0.16961  |
|   |   | 5th year maintenance of the plantation  | No.  | 578    | 5%   | 29.34 | 0.16961  |
|   |   | 6th year maintenance of the plantation  | No.  | 578    | 5%   | 29.34 | 0.16961  |
|   |   | 7th year maintenance of the plantation  | No.  | 578    | 5%   | 29.34 | 0.16961  |
|   |   | 8th year maintenance of the plantation  | No.  | 578    | 5%   | 29.34 | 0.16961  |
|   |   | 9th year maintenance of the plantation  | No.  | 578    | 5%   | 29.34 | 0.16961  |
|   |   | 10th year maintenance of the plantation | No.  | 578    | 5%   | 29.34 | 0.16961  |
|   |   | 3rd year Fencing repair                 | Rft  | 2320   |      | 16.74 | 0.38837  |
|   |   | 5th year Fencing repair                 | Rft  | 3480   |      | 16.74 | 0.58255  |
|   |   | Total                                   |  |        |      |       | 20.24566 |
| 16  | Watch and Ward of closure for 5 years   |   | M.Days   | 1825   |      | 311   | 5.67575  |
| 17  | Overhead/Miscallenious charges  |   |  |        | LS   |       | 2.02457  |
|   | G.Total   |   |  |        |      |       | 27.94598 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |        |      |       |          |
| a   | General details   |   | An area of <b>15.2903 ha</b> with crown density <b>0.20</b> will be taken under Compensatory Afforestation Scheme in <b>Co 51/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |        |      |       |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |        |      |       |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |        |      |       |          |
| d   | Species proposed to be planted  |   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |        |      |       |          |
| e   | Silvicultural Operation   |   | The land is alomost barren. It does not require any silviculture operation except protection   |        |      |       |          |

|          |   |   |
|----------|---|---|
| <b>f</b> | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b> | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b> | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI. |
| <b>i</b> | Any other information   | Nil   |

  
 Sub-Divisional Forest Officer  
 Forest Block

  
 Range Officer  
 Forest Range  
 Gool

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |   |       |            |               |                  |
|--|---|---|-------|------------|---------------|------------------|
| Full title of the Forest land Diversion project  |   | Sawalkot HE Project (1856 MW)   |       |            |               |                  |
| File No:   |   | FP/JK/HYD/150591/2021   |       |            |               |                  |
| Date of Proposal:  |   | 31-12-2021  |       |            |               |                  |
| Name of the Forest Division (where forest land is proposed to be diverted):                            |   | Ramban Forest Division  |       |            |               |                  |
| Forest area to be diverted:  |   | 332.28 Ha   |       |            |               |                  |
| Forest/NFA to be planted   |   | NA  |       |            |               |                  |
| No. of trees to be felled  |   | 79412   |       |            |               |                  |
| No. of poles/plants to be damaged  |   | 192617  |       |            |               |                  |
| No. of plants to be planted  |   | 664560  |       |            |               |                  |
| No. of plants to be planted in this Unit   |   | 11367   |       |            |               |                  |
| Details of land where C.A. is to be carried out:   |   |   |       |            |               |                  |
| Degraded forest land   |   | Yes   | Area: | 15.0734 Ha |               |                  |
| Non-forest land  |   | NA  | Area: | NA         |               |                  |
| Forest Division  |   | Ramban  |       |            |               |                  |
| Range :  |   | Gool  |       |            |               |                  |
| Compartment  |   | 38/Ar   |       |            |               |                  |
| Khasra No. (for non-forest land)   |   | NA  |       |            |               |                  |
| C.A Site (Name of the location):   |   | Gwadi/Dalwah Lower  |       |            |               |                  |
| CA site (Area)   |   | 15.0734   |       |            |               |                  |
| C.A Site Geo Coordinates:  |   |   |       |            |               |                  |
| (i) Starting point   |   | Latitude:- 33°15'30.60"N Longitude:-75° 4'7.99"E                            |       |            |               |                  |
| (ii) End Point   |   | Latitude:-33°15'35.93"N Longitude:- 75° 4'22.90"E                           |       |            |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining |   |   |       |            |               | NA               |
| a) Soil type:  |   | Clayey to sandy loam  |       |            |               |                  |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |       |            |               |                  |
| c) Slope: Steep/medium/gentle:   |   | Medium  |       |            |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                   |   | NA  |       |            |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                      |   | 9/C1b- Himalayan Chir Pine Forests and 0.15 (Chir Irregular Working Circle) |       |            |               |                  |
| S.No.  | Description   | Area (in Ha)  | Unit  | Quantity   | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 15.0734   | rft   | 5350       | 135           | 7.22250          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species  |   | No.   | 6367       | 29.34         | 1.86808          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana (Punica granatum), and other broad leaved species  |   | No.   | 5000       | 23.17         | 1.15850          |
| 4  | Sowing in Patches Chir seeds (45 x 45 x 15 Cms)   |   | No.   | 1200       | 6.99          | 0.08388          |
| 5  | Dibbling in Patches of Chir and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   | No.   | 1000       | 7.18          | 0.07180          |
| 6  | Sowing of Grasses in Patches Red clover etc (45 x 45 x 15 Cms)  |   | No.   | 1000       | 6.35          | 0.06350          |
| 7  | Construction of inspection Path 1.5 meter wide with standard specification.   |   | km    | 1.50       | 45221         | 0.67832          |
| 8  | Construction of permanent fireline 10 mtr wide with standard specification.   |   | Km    | 1          | 29250         | 0.29250          |
| 9  | Soil Conservation Works by means of DRSM  |   | cum   | 100        | 1099          | 1.09900          |

|    |   |   |        |         |       |          |                 |
|----|---|---|--------|---------|-------|----------|-----------------|
| 10 | Laying of GI wire crates for plugging gullies and Nallahs <b>(Rate applied is subject to estimate)</b>  |   |        | No.     | 5     | 10000.00 | 0.50000         |
| 11 | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation. |   |        | No.     | 6367  | 8.03     | 0.51127         |
| 12 | Raising of Naked Root (Broad Leaved) Plants   |   |        | No.     | 5000  | 7.44     | 0.37200         |
| 13 | 1st Year Maintenance of Polybaged sapplings   |   |        | No.     | 6367  | 2.66     | 0.16936         |
| 14 | 2nd Year Maintenance of Polybaged sapplings   |   |        | No.     | 6367  | 2.66     | 0.16936         |
| 15 | 3rd Year Maintenance of Polybaged sapplings   |   |        | No.     | 6367  | 3.83     | 0.24386         |
| 16 | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.    | 2841.75 | 25%   | 29.34    | 0.83377         |
|    |   | 3rd year maintenance of the plantation  | No.    | 1137    | 10%   | 29.34    | 0.33351         |
|    |   | 4th year maintenance of the plantation  | No.    | 568     | 5%    | 29.34    | 0.16675         |
|    |   | 5th year maintenance of the plantation  | No.    | 568     | 5%    | 29.34    | 0.16675         |
|    |   | 6th year maintenance of the plantation  | No.    | 568     | 5%    | 29.34    | 0.16675         |
|    |   | 7th year maintenance of the plantation  | No.    | 568     | 5%    | 29.34    | 0.16675         |
|    |   | 8th year maintenance of the plantation  | No.    | 568     | 5%    | 29.34    | 0.16675         |
|    |   | 9th year maintenance of the plantation  | No.    | 568     | 5%    | 29.34    | 0.16675         |
|    |   | 10th year maintenance of the plantation | No.    | 568     | 5%    | 29.34    | 0.16675         |
|    |   | 3rd year Fencing repair                 | Rft    | 2140    |       | 16.74    | 0.35824         |
|    | 5th year Fencing repair   | Rft                                     | 3210   |         | 16.74 | 0.53735  |                 |
|    |   | <b>Total</b>                            |        |         |       |          | <b>17.73407</b> |
| 17 | Watch and Ward of closure for <b>5 years</b>  |   | M.Days | 1825    |       | 311      | 5.67575         |
| 18 | Overhead/Miscallenious charges  |   |        |         | LS    |          | 1.77341         |
|    | <b>G.Total</b>  |   |        |         |       |          | <b>25.18322</b> |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| <b>a</b>  | General details   | An area of <b>15.0734 ha</b> with crown density <b>0.15</b> will be taken under Compensatory Afforestation Scheme in <b>Co 38/Ar</b> in Gool Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs  |
| <b>d</b>  | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| <b>i</b>  | Any other information   | Nil  |

  
Block Forest Officer  
Forest Block

  
Range Officer  
Forest Range  
Gool

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban



| COMPENSATORY AFFORESTATION PLAN  |   |  |        |    |
|--|---|--|--------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                     |  |        |    |
| File No:   | FP/JK/HYD/150591/2021                             |  |        |    |
| Date of Proposal:  | 31-12-2021  |  |        |    |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                            |  |        |    |
| Forest area to be diverted:  | 332.28  | Ha   |        |    |
| Forest/NFA to be planted   | NA  |  |        |    |
| No. of trees to be felled  | 79412   |  |        |    |
| No. of poles/plants to be damaged  | 192617  |  |        |    |
| Total No. of plants to be planted  | 664560  |  |        |    |
| No. of plants to be planted in this Unit   | 6000  |  |        |    |
| Details of land where C.A. is to be carried out:   |   |  |        |    |
| Degraded forest land   | Yes   | Area:  | 9.0368 | HA |
| Non-forest land  | NA  | Area:  | NA     |    |
| Forest Division  | Ramban  |  |        |    |
| Range :  | Ramban  |  |        |    |
| Compartment  | 46/R  |  |        |    |
| Khasra No. (for non-forest land)   | NA  |  |        |    |
| C.A Site (Name of the location):   | Taraag/Kainthi                                    |  |        |    |
| CA site (Area)   | 9.0368  | Ha   |        |    |
| C.A Site Geo Coordinates:  |   |  |        |    |
| (i) Starting point   | Latitude:-33°13'49.86"N Longitude:-75°16'41.20"E  |  |        |    |
| (ii) End Point   | Latitude:-33°13'40.49"N Longitude:- 75°16'29.74"E |  |        |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |  |        | NA |
| a) Soil type:  |   | Clayey to sandy loam   |        |    |
| b) Topography: hilly/undulating/plain:   |   | Hilly  |        |    |
| c) Slope: Steep/medium/gentle:   |   | Medium   |        |    |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA   |        |    |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 9/C1b- Himalayan Chir Pine Forests and 0.15 (Reboisement Working Circle) |        |    |

| S.No. | Description   |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|---|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 9.0368       | rft  | 4000     | 135           | 5.40000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species  |   |              | No.  | 4000     | 29.34         | 1.17360          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana (Punica granatum), and other broad leaved species  |   |              | No.  | 2000     | 23.17         | 0.46340          |
| 4     | Sowing in Patches Chir and Makhan seeds (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 6.99          | 0.06990          |
| 5     | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   |              | No.  | 1000     | 7.18          | 0.07180          |
| 6     | Sowing of Grasses in Patches Red clover etc (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 6.35          | 0.06350          |
| 7     | Construction of inspection Path 1.5 meter wide with standard specification.   |   |              | km   | 1        | 45221         | 0.45221          |
| 8     | Construction of permanent fireline 10 mtr wide with standard specification.   |   |              | Km   | 1.5      | 29250         | 0.43875          |
| 9     | Soil Conservation Works by means of DRSM  |   |              | cum  | 100      | 1099          | 1.09900          |
| 10    | Construction of Water Harvesting Pond (20'x30')   |   |              | No.  | 1        | 300000        | 3.00000          |
| 11    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.   |   |              | No.  | 4000     | 8.03          | 0.32120          |
| 12    | Raising of Naked Root (Broad Leaved) Plants   |   |              | No.  | 2000     | 7.44          | 0.14880          |
| 13    | 1st Year Maintenance of Polybaged sapplings   |   |              | No.  | 4000     | 2.66          | 0.10640          |
| 14    | 2nd Year Maintenance of Polybaged sapplings   |   |              | No.  | 4000     | 2.66          | 0.10640          |
| 15    | 3rd Year Maintenance of Polybaged sapplings   |   |              | No.  | 4000     | 3.83          | 0.15320          |
| 16    | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.          | 1500 | 25%      | 29.34         | 0.44010          |
|       |   | 3rd year maintenance of the plantation  | No.          | 600  | 10%      | 29.34         | 0.17604          |
|       |   | 4th year maintenance of the plantation  | No.          | 300  | 5%       | 29.34         | 0.08802          |
|       |   | 5th year maintenance of the plantation  | No.          | 300  | 5%       | 29.34         | 0.08802          |
|       |   | 6th year maintenance of the plantation  | No.          | 300  | 5%       | 29.34         | 0.08802          |
|       |   | 7th year maintenance of the plantation  | No.          | 300  | 5%       | 29.34         | 0.08802          |
|       |   | 8th year maintenance of the plantation  | No.          | 300  | 5%       | 29.34         | 0.08802          |
|       |   | 9th year maintenance of the plantation  | No.          | 300  | 5%       | 29.34         | 0.08802          |
|       |   | 10th year maintenance of the plantation | No.          | 300  | 5%       | 29.34         | 0.08802          |
|       |   | 3rd year Fencing repair                 | Rft          | 1550 |          | 16.74         | 0.25947          |
|       |   | 5th year Fencing repair                 | Rft          | 3000 |          | 16.74         | 0.50220          |
|       |   | <b>Total</b>                            |              |      |          |               | <b>15.06211</b>  |
| 17    | <b>Watch and Ward of closure for 5 years</b>  |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 18    | Overhead/Unforcing charges, etc.  |   |              |      | LS       |               | 1.50621          |
|       | <b>G.Total</b>  |   |              |      |          |               | <b>22.24407</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| <b>a</b>  | General details   | An area of <b>9.0368 ha</b> with crown density <b>0.15</b> will be taken under Compensatory Afforestation Scheme in <b>Co 46/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs  |
| <b>d</b>  | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) , Ulmus, Anardana (Punica granatum) Patch sowing of Chir and Makhan seeds, dibbling of Chir, santha, Melia azarachtica (Dhreenkh) etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| <b>i</b>  | Any other information   | Nil  |

  
 AMPK SINGH  
 Block Officer  
 Forest Block, Ramban

  
 Range Officer  
 Range Officer  
 Forest Range, Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |   |  |        |          |               |                  |
|--|---|---|--|--------|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |   |   | Sawalkot HE Project (1856 MW)  |        |          |               |                  |
| File No:   |   |   | FP/JK/HYD/150591/2021  |        |          |               |                  |
| Date of Proposal:  |   |   | 31-12-2021   |        |          |               |                  |
| Name of the Forest Division (where forest land is  |   |   | Ramban Forest Division   |        |          |               |                  |
| Forest area to be diverted:  |   |   | 332.28 Ha  |        |          |               |                  |
| Forest/NFA to be planted   |   |   | NA   |        |          |               |                  |
| No. of trees to be felled  |   |   | 79412  |        |          |               |                  |
| No. of poles/plants to be damaged  |   |   | 192617   |        |          |               |                  |
| Total No. of plants to be planted  |   |   | 664560   |        |          |               |                  |
| No. of plants to be planted in this Unit   |   |   | 3850   |        |          |               |                  |
| Details of land where C.A. is to be carried out:   |   |   |  |        |          |               |                  |
| Degraded forest land   |   | Yes   | Area:  | 5.0694 |          |               |                  |
| Non-forest land  |   | NA  | Area:  | NA     |          |               |                  |
| Forest Division  |   | Ramban  |  |        |          |               |                  |
| Range :  |   | Ramban  |  |        |          |               |                  |
| Compartment  |   | 53/R  |  |        |          |               |                  |
| Khasra No. (for non-forest land)   |   | NA  |  |        |          |               |                  |
| C.A Site (Name of the location):   |   | Gullel  |  |        |          |               |                  |
| CA site (Area)   |   | 5.0694  |  |        |          |               |                  |
| C.A Site Geo Coordinates:  |   |   |  |        |          |               |                  |
| (i) Starting point   |   | Latitude:- 33° 16' 06.66" N Longitude:- 75° 19' 04.96"E |  |        |          |               |                  |
| (ii) End Point   |   | Latitude:- 33°16'20.06"N Longitude:- 75° 18'56.70"E     |  |        |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining |   |   |  |        |          | NA            |                  |
| a) Soil type:  |   |   | Clayey to sandy loam   |        |          |               |                  |
| b) Topography: hilly/undulating/plain:   |   |   | Hilly  |        |          |               |                  |
| c) Slope: Steep/medium/gentle:   |   |   | Medium   |        |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                   |   |   | NA   |        |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                      |   |   | 12/C1f-Low level blue Pine Forests and 0.05 crown density.(Reboisement Working Circle) |        |          |               |                  |
| S.No.  | Description   |   | Area (in Ha)   | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'1'. |   | 5.0694   | rft    | 4800     | 135           | 6.48000          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species  |   |  | No.    | 2000     | 29.34         | 0.58680          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species   |   |  | No.    | 1850     | 23.17         | 0.42865          |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)  |   |  | No.    | 500      | 6.99          | 0.03495          |
| 5  | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   |  | No.    | 500      | 7.18          | 0.03590          |
| 6  | Construction of inspection Path 1.50 meter wide with standard specification.  |   |  | km     | 0.5      | 45221         | 0.22611          |
| 7  | Soil Conservation Works by means of DRSM  |   |  | cum    | 80       | 1099          | 0.87920          |
| 8  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.   |   |  | No.    | 2000     | 8.03          | 0.16060          |
| 9  | Raising of Naked Root (Broad Leaved) Plants   |   |  | No.    | 1850     | 7.44          | 0.13764          |
| 10   | 1st Year Maintenance of Polybaged sapplings   |   |  | No.    | 2000     | 2.66          | 0.05320          |
| 11   | 2nd Year Maintenance of Polybaged sapplings   |   |  | No.    | 2000     | 2.66          | 0.05320          |

|   |   |   |  |       |      |       |          |
|---|---|---|--|-------|------|-------|----------|
| 12  | 3rd Year Maintenance of Polybagged sapplings                    |   |  | No.   | 2000 | 3.83  | 0.07660  |
| 13  | Maintenance of the closure for 10 years                         | 2nd year maintenance of the plantation  | No.  | 962.5 | 25%  | 29.34 | 0.28240  |
|   |   | 3rd year maintenance of the plantation  | No.  | 385   | 10%  | 29.34 | 0.11296  |
|   |   | 4th year maintenance of the plantation  | No.  | 193   | 5%   | 29.34 | 0.05648  |
|   |   | 5th year maintenance of the plantation  | No.  | 193   | 5%   | 29.34 | 0.05648  |
|   |   | 6th year maintenance of the plantation  | No.  | 193   | 5%   | 29.34 | 0.05648  |
|   |   | 7th year maintenance of the plantation  | No.  | 193   | 5%   | 29.34 | 0.05648  |
|   |   | 8th year maintenance of the plantation  | No.  | 193   | 5%   | 29.34 | 0.05648  |
|   |   | 9th year maintenance of the plantation  | No.  | 193   | 5%   | 29.34 | 0.05648  |
|   |   | 10th year maintenance of the plantation | No.  | 193   | 5%   | 29.34 | 0.05648  |
|   |   | 3rd year Fencing repair                 | Rft  | 1600  |      | 16.74 | 0.26784  |
|   |   | 5th year Fencing repair                 | Rft  | 3200  |      | 16.74 | 0.53568  |
|   |   | Total                                   |  |       |      |       | 10.74707 |
| 14  | Watch and Ward of closure for 5 years                           |   | M.Days   | 1825  |      | 311   | 5.67575  |
| 15  | Overhead/Unforcing charges, etc.                                |   |  |       | LS   |       | 1.07471  |
|   | G.Total   |   |  |       |      |       | 17.49753 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |       |      |       |          |
| a   | General details   |   | An area of <b>5.0694 ha</b> with crown density <b>0.05</b> will be taken under Compensatory Afforestation Scheme in <b>Co 53/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |       |      |       |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |       |      |       |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |       |      |       |          |
| d   | Species proposed to be planted                                  |   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |       |      |       |          |
| e   | Silvicultural Operation   |   | The land is alomost barren. It does not require any silviculture operation except protection   |       |      |       |          |
| f   | Soil and moisture conservation works                            |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |       |      |       |          |
| g   | Protection (Fencing , watch & ward, People’s participation etc) |   | The area will be protected by Fencing, people participation, watch and ward by staff etc   |       |      |       |          |
| h   | Proposed Monitoring Mechanism                                   |   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |       |      |       |          |
| i   | Any other information   |   | Nil  |       |      |       |          |

  
 Block Officer  
 Forest Block, Ramban

  
 Range Officer  
 Forest Range, Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |   |  |          |               |                  |
|--|--|---|--|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |  | Sawalkot HE Project (1856 MW)                     |  |          |               |                  |
| File No:   |  | FP/JK/HYD/150591/2021                             |  |          |               |                  |
| Date of Proposal:  |  | 31-12-2021  |  |          |               |                  |
| Name of the Forest Division (where forest land   |  | Ramban Forest Division                            |  |          |               |                  |
| Forest area to be diverted:  |  | 332.28 Ha   |  |          |               |                  |
| Forest/NFA to be planted   |  | NA  |  |          |               |                  |
| No. of trees to be felled  |  | 79412   |  |          |               |                  |
| No. of poles/plants to be damaged  |  | 192617  |  |          |               |                  |
| Total No. of plants to be planted  |  | 664560  |  |          |               |                  |
| No. of plants to be planted in this Unit   |  | 3450  |  |          |               |                  |
| Details of land where C.A. is to be carried out:   |  |   |  |          |               |                  |
| Degraded forest land   |  | Yes   | Area:  | 5 HA     |               |                  |
| Non-forest land  |  | NA  | Area:  | NA       |               |                  |
| Forest Division  |  | Ramban  |  |          |               |                  |
| Range :  |  | Ramban  |  |          |               |                  |
| Compartment  |  | 40/R  |  |          |               |                  |
| Khasra No. (for non-forest land)   |  | NA  |  |          |               |                  |
| C.A Site (Name of the location):   |  | Phaglla/Gam                                       |  |          |               |                  |
| CA site (Area)   |  | 5 Ha  |  |          |               |                  |
| C.A Site Geo Coordinates:  |  |   |  |          |               |                  |
| (i) Starting point   |  | Latitude:-33°16'56.28"N Longitude:- 75°10'56.10"E |  |          |               |                  |
| (ii) End Point   |  | Latitude:-33°16'56.59"N Longitude:- 75°10'48.77"E |  |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the |  |   |  |          |               | NA               |
| a) Soil type:  |  |   | Clayey to sandy loam   |          |               |                  |
| b) Topography: hilly/undulating/plain:   |  |   | Hilly  |          |               |                  |
| c) Slope: Steep/medium/gentle:   |  |   | Medium   |          |               |                  |
| d) For non-forest land - description of existing vegetation/root                             |  |   | NA   |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:            |  |   | 9/C1b- Himalayan Chir Pine Forests and 0.05 (Reboisement Working Circle) |          |               |                  |
| S.No.  | Description  | Area (in Ha)                                      | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. | 5   | rft  | 4800     | 135           | 6.48000          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species   |   | No.  | 2000     | 29.34         | 0.58680          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana (Punica granatum), and other broad leaved species   |   | No.  | 1450     | 23.17         | 0.33597          |
| 4  | Sowing in Patches Chir and Makhan seeds (45 x 45 x 15 Cms)   |   | No.  | 800      | 6.99          | 0.05592          |
| 5  | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   | No.  | 500      | 7.18          | 0.03590          |
| 6  | Sowing of Grasses in Patches Red clover etc (45 x 45 x 15 Cms)   |   | No.  | 1000     | 6.35          | 0.06350          |
| 7  | Construction of inspection Path 1.5 meter wide with standard specification.  |   | km   | 0.5      | 45221         | 0.22611          |
| 8  | Soil Conservation Works by means of DRSM   |   | cum  | 100      | 1099          | 1.09900          |

|   |   |   |   |       |      |        |          |
|---|---|---|---|-------|------|--------|----------|
| 9   | Construction of Water Harvesting Pond (25'x25')   |   |   | No.   | 1    | 300000 | 3.00000  |
| 10  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation. |   |   | No.   | 2000 | 8.03   | 0.16060  |
| 11  | Raising of Naked Root (Broad Leaved) Plants   |   |   | No.   | 1450 | 7.44   | 0.10788  |
| 12  | 1st Year Maintenance of Polybaged sapplings   |   |   | No.   | 2000 | 2.66   | 0.05320  |
| 13  | 2nd Year Maintenance of Polybaged sapplings   |   |   | No.   | 2000 | 2.66   | 0.05320  |
| 14  | 3rd Year Maintenance of Polybaged sapplings   |   |   | No.   | 2000 | 3.83   | 0.07660  |
| 15  | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.   | 862.5 | 25%  | 29.34  | 0.25306  |
|   |   | 3rd year maintenance of the plantation  | No.   | 345   | 10%  | 29.34  | 0.10122  |
|   |   | 4th year maintenance of the plantation  | No.   | 173   | 5%   | 29.34  | 0.05061  |
|   |   | 5th year maintenance of the plantation  | No.   | 173   | 5%   | 29.34  | 0.05061  |
|   |   | 6th year maintenance of the plantation  | No.   | 173   | 5%   | 29.34  | 0.05061  |
|   |   | 7th year maintenance of the plantation  | No.   | 173   | 5%   | 29.34  | 0.05061  |
|   |   | 8th year maintenance of the plantation  | No.   | 173   | 5%   | 29.34  | 0.05061  |
|   |   | 9th year maintenance of the plantation  | No.   | 173   | 5%   | 29.34  | 0.05061  |
|   |   | 10th year maintenance of the plantation | No.   | 173   | 5%   | 29.34  | 0.05061  |
|   |   | 3rd year Fencing repair                 | Rft   | 2000  |      | 16.74  | 0.33480  |
|   |   | 5th year Fencing repair                 | Rft   | 3000  |      | 16.74  | 0.50220  |
|   |   | Total                                   |   |       |      |        | 13.88023 |
| 16  | Watch and Ward of closure for 5 years   |   | M.Days  | 1825  |      | 311    | 5.67575  |
| 17  | Overhead/Unforcing charges, etc.  |   |   |       | LS   |        | 1.38802  |
|   | G.Total   |   |   |       |      |        | 20.94400 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |   |       |      |        |          |
| a   | General details   |   | An area of <b>5 ha</b> with crown density <b>0.05</b> will be taken under Compensatory Afforestation Scheme in <b>Co 40/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species will be planted in the area |       |      |        |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |       |      |        |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs   |       |      |        |          |
| d   | Species proposed to be planted  |   | Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) , Ulmus, Anardana (Punica granatum) Patch sowing of Chir and Makhan seeds, dibbling of Chir, santha, Melia azarachtica (Dhreenkh) etc.  |       |      |        |          |
| e   | Silvicultural Operation   |   | The land is almost barren. It does not require any silviculture operation except protection   |       |      |        |          |
| f   | Soil and moisture conservation works  |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |       |      |        |          |

|          |   |   |
|----------|---|---|
| <b>g</b> | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b> | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI. |
| <b>i</b> | Any other information   | Nil   |

  
 Block Officer  
 Forest Block, Ramban

  
 Range Officer  
 Forest Range, Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban



| COMPENSATORY AFFORESTATION PLAN  |  |  |         |    |
|--|--|--|---------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |  |         |    |
| File No:   | FP/JK/HYD/150591/2021                              |  |         |    |
| Date of Proposal:  | 31-12-2021   |  |         |    |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |  |         |    |
| Forest area to be diverted:  | 332.28   | Ha   |         |    |
| Forest/NFA to be planted   | NA   |  |         |    |
| No. of trees to be felled  | 79412  |  |         |    |
| No. of poles/plants to be damaged  | 192617   |  |         |    |
| Total No. of plants to be planted  | 664560   |  |         |    |
| No. of plants to be planted in this Unit   | 6185   |  |         |    |
| Details of land where C.A. is to be carried out:   |  |  |         |    |
| Degraded forest land   | Yes  | Area:  | 10.1002 | HA |
| Non-forest land  | NA   | Area:  | NA      |    |
| Forest Division  | Ramban   |  |         |    |
| Range :  | Ramban   |  |         |    |
| Compartment  | 45/R   |  |         |    |
| Khasra No. (for non-forest land)   | NA   |  |         |    |
| C.A Site (Name of the location):   | Shargali/Kainthi                                   |  |         |    |
| CA site (Area)   | 10.1002  | Ha   |         |    |
| C.A Site Geo Coordinates:  |  |  |         |    |
| (i) Starting point   | Latitude:- 33°16'14.13"N Longitude:-75°15'31.62"E  |  |         |    |
| (ii) End Point   | Latitude:- 33°15'59.58"N Longitude:- 75°15'25.43"E |  |         |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |  |         | NA |
| a) Soil type:  |  | Clayey to sandy loam   |         |    |
| b) Topography: hilly/undulating/plain:   |  | Hilly  |         |    |
| c) Slope: Steep/medium/gentle:   |  | Medium   |         |    |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA   |         |    |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 9/C1b- Himalayan Chir Pine Forests and 0.30 (Reboisement Working Circle) |         |    |

| S.No. | Description   |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|---|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 10.1002      | rft  | 4100     | 135           | 5.53500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species  |   |              | No.  | 1600     | 29.34         | 0.46944          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana (Punica granatum), and other broad leaved species  |   |              | No.  | 4585     | 23.17         | 1.06234          |
| 4     | Sowing in Patches Chir and Makhan seeds (45 x 45 x 15 Cms)  |   |              | No.  | 1200     | 6.99          | 0.08388          |
| 5     | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   |              | No.  | 1200     | 7.18          | 0.08616          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.   |   |              | km   | 1        | 45221         | 0.45221          |
| 7     | Construction of permanent fireline 10 mtr wide with standard specification.   |   |              | Km   | 0.5      | 29250         | 0.14625          |
| 8     | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 1600     | 8.03          | 0.12848          |
| 9     | Raising of Naked Root (Broad Leaved) Plants   |   |              | No.  | 4585     | 7.44          | 0.34112          |
| 10    | 1st Year Maintenance of Polybagged sapplings  |   |              | No.  | 1600     | 2.66          | 0.04256          |
| 11    | 2nd Year Maintenance of Polybagged sapplings  |   |              | No.  | 1600     | 2.66          | 0.04256          |
| 12    | 3rd Year Maintenance of Polybagged sapplings  |   |              | No.  | 1600     | 3.83          | 0.06128          |
| 13    | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.          | 1546 | 25%      | 29.34         | 0.45367          |
|       |   | 3rd year maintenance of the plantation  | No.          | 619  | 10%      | 29.34         | 0.18147          |
|       |   | 4th year maintenance of the plantation  | No.          | 309  | 5%       | 29.34         | 0.09073          |
|       |   | 5th year maintenance of the plantation  | No.          | 309  | 5%       | 29.34         | 0.09073          |
|       |   | 6th year maintenance of the plantation  | No.          | 309  | 5%       | 29.34         | 0.09073          |
|       |   | 7th year maintenance of the plantation  | No.          | 309  | 5%       | 29.34         | 0.09073          |
|       |   | 8th year maintenance of the plantation  | No.          | 309  | 5%       | 29.34         | 0.09073          |
|       |   | 9th year maintenance of the plantation  | No.          | 309  | 5%       | 29.34         | 0.09073          |
|       |   | 10th year maintenance of the plantation | No.          | 309  | 5%       | 29.34         | 0.09073          |
|       |   | 3rd year Fencing repair                 | Rft          | 1100 |          | 16.74         | 0.18414          |
|       |   | 5th year Fencing repair                 | Rft          | 3000 |          | 16.74         | 0.50220          |
|       |   | <b>Total</b>                            |              |      |          |               | <b>10.40790</b>  |
| 14    | <b>Watch and Ward of closure for 5 years</b>  |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 15    | Overhead/Unforcing charges, etc.  |   |              |      | LS       |               | 1.04079          |
|       | <b>G.Total</b>  |   |              |      |          |               | <b>17.12444</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>10.1002 ha</b> with crown density <b>0.30</b> will be taken under Compensatory Afforestation Scheme in <b>Co 45/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) , Ulmus, Anardana (Punica granatum) Patch sowing of Chir and Makhan seeds, dibbling of Chir, santha, Melia azarachtica (Dhreenkh) etc.  |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

  
 Block Officer  
 Forest Block, Ramban

  
 Range Officer  
 Forest Range, Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN   |  |   |  |          |               |                  |
|---|--|---|--|----------|---------------|------------------|
| Full title of the Forest land Diversion project   |  | Sawalkot HE Project (1856 MW)                     |  |          |               |                  |
| File No:  |  | FP/JK/HYD/150591/2021                             |  |          |               |                  |
| Date of Proposal:   |  | 31-12-2021  |  |          |               |                  |
| Name of the Forest Division (where forest land is   |  | Ramban Forest Division                            |  |          |               |                  |
| Forest area to be diverted:   |  | 332.28 Ha   |  |          |               |                  |
| Forest/NFA to be planted  |  | NA  |  |          |               |                  |
| No. of trees to be felled   |  | 79412   |  |          |               |                  |
| No. of poles/plants to be damaged   |  | 192617  |  |          |               |                  |
| Total No. of plants to be planted   |  | 664560  |  |          |               |                  |
| No. of plants to be planted in this Unit  |  | 4698  |  |          |               |                  |
| Details of land where C.A. is to be carried out:  |  |   |  |          |               |                  |
| Degraded forest land  |  | Yes   | Area:  | 5.9976   |               |                  |
| Non-forest land   |  | NA  | Area:  | NA       |               |                  |
| Forest Division   |  | Ramban  |  |          |               |                  |
| Range :   |  | Ramban  |  |          |               |                  |
| Compartment   |  | 51/R  |  |          |               |                  |
| Khasra No. (for non-forest land)  |  | NA  |  |          |               |                  |
| C.A Site (Name of the location):  |  | Karoot/Demote                                     |  |          |               |                  |
| CA site (Area)  |  | 5.9976  |  |          |               |                  |
| C.A Site Geo Coordinates:   |  |   |  |          |               |                  |
| (i) Starting point  |  | Latitude:-33°15'17.84"N Longitude:- 75°17'18.97"E |  |          |               |                  |
| (ii) End Point  |  | Latitude:-33°15'15.08"N Longitude:-75°17'12.81"E  |  |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest |  |   |  |          |               | NA               |
| a) Soil type:   |  |   | Clayey to sandy loam   |          |               |                  |
| b) Topography: hilly/undulating/plain:  |  |   | Hilly  |          |               |                  |
| c) Slope: Steep/medium/gentle:  |  |   | Medium   |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                          |  |   | NA   |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                             |  |   | 12/C1f-Low level blue Pine Forests and 0.05 crown density.(Mixed Conifer Selection Working Circle) |          |               |                  |
| S.No.   | Description  | Area (in Ha)                                      | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1   | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 5.9976  | rft  | 3900     | 135           | 5.26500          |
| 2   | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species   |   | No.  | 1198     | 29.34         | 0.35149          |
| 3   | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   | No.  | 3500     | 23.17         | 0.81095          |
| 4   | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   | No.  | 500      | 6.99          | 0.03495          |
| 5   | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   | No.  | 500      | 7.18          | 0.03590          |
| 6   | Construction of inspection Path 1.50 meter wide with standard specification.   |   | km   | 0.5      | 45221         | 0.22611          |
| 7   | Construction of permanent fireline 10 mtr wide with standard specification.  |   | Km   | 0.5      | 29250         | 0.14625          |
| 8   | Construction of Water Harvesting Pond (25'x25')  |   | No.  | 1        | 300000        | 3.00000          |
| 9   | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.   |   | No.  | 1198     | 8.03          | 0.09620          |
| 10  | Raising of Naked Root (Broad Leaved) Plants  |   | No.  | 3500     | 7.44          | 0.26040          |
| 11  | 1st Year Maintenance of Polybagged sapplings   |   | No.  | 1198     | 2.66          | 0.03187          |
| 12  | 2nd Year Maintenance of Polybagged sapplings   |   | No.  | 1198     | 2.66          | 0.03187          |

|   |   |   |  |        |     |          |          |
|---|---|---|--|--------|-----|----------|----------|
| 13  | 3rd Year Maintenance of Polybagged sapplings                    |   |  |        |     |          |          |
| 14  | Maintenance of the closure for 10 years                         | 2nd year maintenance of the plantation  | No.  | 1174.5 | 25% | 29.34    | 0.34460  |
|   |   | 3rd year maintenance of the plantation  | No.  | 470    | 10% | 29.34    | 0.13784  |
|   |   | 4th year maintenance of the plantation  | No.  | 235    | 5%  | 29.34    | 0.06892  |
|   |   | 5th year maintenance of the plantation  | No.  | 235    | 5%  | 29.34    | 0.06892  |
|   |   | 6th year maintenance of the plantation  | No.  | 235    | 5%  | 29.34    | 0.06892  |
|   |   | 7th year maintenance of the plantation  | No.  | 235    | 5%  | 29.34    | 0.06892  |
|   |   | 8th year maintenance of the plantation  | No.  | 235    | 5%  | 29.34    | 0.06892  |
|   |   | 9th year maintenance of the plantation  | No.  | 235    | 5%  | 29.34    | 0.06892  |
|   |   | 10th year maintenance of the plantation | No.  | 235    | 5%  | 29.34    | 0.06892  |
|   |   | 3rd year Fencing repair                 | Rft  | 1900   |     | 16.74    | 0.31806  |
|   |   | 5th year Fencing repair                 | Rft  | 2000   |     | 16.74    | 0.33480  |
|   |   | Total                                   |  |        |     | 11.95460 |          |
| 15  | Watch and Ward of closure for 5 years                           |   | M.Days   | 1825   |     | 311      | 5.67575  |
| 16  | Overhead/Unforcing charges, etc.                                |   |  |        | LS  |          | 1.19546  |
|   | G.Total   |   |  |        |     |          | 18.82581 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |        |     |          |          |
| a   | General details   |   | An area of <b>5.9976 ha</b> with crown density <b>0.05</b> will be taken under Compensatory Afforestation Scheme in <b>Co 51/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |        |     |          |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |        |     |          |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |        |     |          |          |
| d   | Species proposed to be planted                                  |   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |        |     |          |          |
| e   | Silvicultural Operation   |   | The land is almost barren. It does not require any silviculture operation except protection  |        |     |          |          |
| f   | Soil and moisture conservation works                            |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |        |     |          |          |
| g   | Protection (Fencing , watch & ward, People’s participation etc) |   | The area will be protected by Fencing, people participation, watch and ward by staff etc   |        |     |          |          |
| h   | Proposed Monitoring Mechanism                                   |   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |        |     |          |          |
| i   | Any other information   |   | Nil  |        |     |          |          |

  
 Block Officer  
 Forest Block, Ramban

  
 Range Officer  
 Forest Range, Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |  |       |          |               |                  |
|--|---|--|-------|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |   | Sawalkot HE Project (1856 MW)  |       |          |               |                  |
| File No:   |   | FP/JK/HYD/150591/2021  |       |          |               |                  |
| Date of Proposal:  |   | 31-12-2021   |       |          |               |                  |
| Name of the Forest Division (where forest land   |   | Ramban Forest Division   |       |          |               |                  |
| Forest area to be diverted:  |   | 332.28 Ha  |       |          |               |                  |
| Forest/NFA to be planted   |   | NA   |       |          |               |                  |
| No. of trees to be felled  |   | 79412  |       |          |               |                  |
| No. of poles/plants to be damaged  |   | 192617   |       |          |               |                  |
| Total No. of plants to be planted  |   | 664560   |       |          |               |                  |
| No. of plants to be planted in this Unit   |   | 3910   |       |          |               |                  |
| Details of land where C.A. is to be carried out:   |   |  |       |          |               |                  |
| Degraded forest land   |   | Yes  | Area: | 6.0117   | HA            |                  |
| Non-forest land  |   | NA   | Area: | NA       |               |                  |
| Forest Division  |   | Ramban   |       |          |               |                  |
| Range :  |   | Ramban   |       |          |               |                  |
| Compartment  |   | 40/R   |       |          |               |                  |
| Khasra No. (for non-forest land)   |   | NA   |       |          |               |                  |
| C.A Site (Name of the location):   |   | Gam  |       |          |               |                  |
| CA site (Area)   |   | 6.0117   | Ha    |          |               |                  |
| C.A Site Geo Coordinates:  |   |  |       |          |               |                  |
| (i) Starting point   |   | Latitude:-33°16'42.54"N Longitude:- 75°11'23.08"E                        |       |          |               |                  |
| (ii) End Point   |   | Latitude:-33°16'38.62"N Longitude:- 75°11'14.05"E                        |       |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the |   |  |       |          |               | NA               |
| a) Soil type:  |   | Clayey to sandy loam   |       |          |               |                  |
| b) Topography: hilly/undulating/plain:   |   | Hilly  |       |          |               |                  |
| c) Slope: Steep/medium/gentle:   |   | Medium   |       |          |               |                  |
| d) For non-forest land - description of existing vegetation/root                             |   | NA   |       |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:            |   | 9/C1b- Himalayan Chir Pine Forests and 0.10 (Reboisement Working Circle) |       |          |               |                  |
| S.No.  | Description   | Area (in Ha)   | Unit  | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. | 6.0117   | rft   | 3800     | 135           | 5.13000          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species  |  | No.   | 1000     | 29.34         | 0.29340          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana (Punica granatum), and other broad leaved species  |  | No.   | 2910     | 23.17         | 0.67425          |
| 4  | Sowing in Patches Chir and Makhan seeds (45 x 45 x 15 Cms)  |  | No.   | 900      | 6.99          | 0.06291          |
| 5  | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |  | No.   | 600      | 7.18          | 0.04308          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.   |  | km    | 0.6      | 45221         | 0.27133          |
| 7  | Construction of permanent fireline 10 mtr wide with standard specification.   |  | Km    | 0.5      | 29250         | 0.14625          |
| 8  | Construction of Water Harvesting Pond (25'x25')   |  | No.   | 1        | 300000        | 3.00000          |

|   |   |   |  |       |      |       |          |
|---|---|---|--|-------|------|-------|----------|
| 9   | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation. |   |  | No.   | 1000 | 8.03  | 0.08030  |
| 10  | Raising of Naked Root (Broad Leaved) Plants   |   |  | No.   | 2910 | 7.44  | 0.21650  |
| 11  | 1st Year Maintenance of Polybaged sapplings   |   |  | No.   | 1000 | 2.66  | 0.02660  |
| 12  | 2nd Year Maintenance of Polybaged sapplings   |   |  | No.   | 1000 | 2.66  | 0.02660  |
| 13  | 3rd Year Maintenance of Polybaged sapplings   |   |  | No.   | 1000 | 3.83  | 0.03830  |
| 14  | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.  | 977.5 | 25%  | 29.34 | 0.28680  |
|   |   | 3rd year maintenance of the plantation  | No.  | 391   | 10%  | 29.34 | 0.11472  |
|   |   | 4th year maintenance of the plantation  | No.  | 196   | 5%   | 29.34 | 0.05736  |
|   |   | 5th year maintenance of the plantation  | No.  | 196   | 5%   | 29.34 | 0.05736  |
|   |   | 6th year maintenance of the plantation  | No.  | 196   | 5%   | 29.34 | 0.05736  |
|   |   | 7th year maintenance of the plantation  | No.  | 196   | 5%   | 29.34 | 0.05736  |
|   |   | 8th year maintenance of the plantation  | No.  | 196   | 5%   | 29.34 | 0.05736  |
|   |   | 9th year maintenance of the plantation  | No.  | 196   | 5%   | 29.34 | 0.05736  |
|   |   | 10th year maintenance of the plantation | No.  | 196   | 5%   | 29.34 | 0.05736  |
|   |   | 3rd year Fencing repair                 | Rft  | 1000  |      | 16.74 | 0.16740  |
|   |   | 5th year Fencing repair                 | Rft  | 2800  |      | 16.74 | 0.46872  |
|   |   | Total                                   |  |       |      |       | 11.44867 |
| 15  | Watch and Ward of closure for 5 years   |   | M.Days   | 1825  |      | 311   | 5.67575  |
| 16  | Overhead/Unforcing charges, etc.  |   |  |       | LS   |       | 1.14487  |
|   | G.Total   |   |  |       |      |       | 18.26929 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |       |      |       |          |
| a   | General details   |   | An area of <b>6.0117 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 40/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) and other broad leaved species will be planted in the area |       |      |       |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |       |      |       |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |       |      |       |          |
| d   | Species proposed to be planted  |   | Melia azarachtica (Dhreenkh), Chirpine (Pinus roxburghii), Dhaman (Grewia optiva) , Ulmus, Anardana (Punica granatum) Patch sowing of Chir and Makhan seeds, dibbling of Chir, santha, Melia azarachtica (Dhreenkh) etc  |       |      |       |          |
| e   | Silvicultural Operation   |   | The land is almost barren. It does not require any silviculture operation except protection  |       |      |       |          |
| f   | Soil and moisture conservation works  |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |       |      |       |          |

|          |   |   |
|----------|---|---|
| <b>g</b> | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b> | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI. |
| <b>i</b> | Any other information   | Nil   |

  
 AMP Block Officer  
 Forest Block, Ramban

  
 Range Officer  
 Ramban Forest Range, Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban



| COMPENSATORY AFFORESTATION PLAN  |  |  |  |          |               |                  |
|--|--|--|--|----------|---------------|------------------|
| Full title of the Forest land Diversion project  |  | Sawalkot HE Project (1856 MW)                      |  |          |               |                  |
| File No:   |  | FP/JK/HYD/150591/2021                              |  |          |               |                  |
| Date of Proposal:  |  | 31-12-2021   |  |          |               |                  |
| Name of the Forest Division (where forest land is  |  | Ramban Forest Division                             |  |          |               |                  |
| Forest area to be diverted:  |  | 332.28 Ha  |  |          |               |                  |
| Forest/NFA to be planted   |  | NA   |  |          |               |                  |
| No. of trees to be felled  |  | 79412  |  |          |               |                  |
| No. of poles/plants to be damaged  |  | 192617   |  |          |               |                  |
| Total No. of plants to be planted  |  | 664560   |  |          |               |                  |
| No. of plants to be planted in this Unit   |  | 5100   |  |          |               |                  |
| Details of land where C.A. is to be carried out:   |  |  |  |          |               |                  |
| Degraded forest land   |  | Yes  | Area:  | 7.0073   | HA            |                  |
| Non-forest land  |  | NA   | Area:  | NA       |               |                  |
| Forest Division  |  | Ramban   |  |          |               |                  |
| Range :  |  | Ramban   |  |          |               |                  |
| Compartment  |  | 36/R   |  |          |               |                  |
| Khasra No. (for non-forest land)   |  | NA   |  |          |               |                  |
| C.A Site (Name of the location):   |  | Bradgadi   |  |          |               |                  |
| CA site (Area)   |  | 7.0073   | Ha   |          |               |                  |
| C.A Site Geo Coordinates:  |  |  |  |          |               |                  |
| (i) Starting point   |  | Latitude:-33°18'36.04"N Longitude:- 75°13'24.80"E  |  |          |               |                  |
| (ii) End Point   |  | Latitude:- 33°18'30.27"N Longitude:- 75°13'16.02"E |  |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the |  |  |  |          |               | NA               |
| a) Soil type:  |  |  | Clayey to sandy loam   |          |               |                  |
| b) Topography: hilly/undulating/plain:   |  |  | Hilly  |          |               |                  |
| c) Slope: Steep/medium/gentle:   |  |  | Medium   |          |               |                  |
| d) For non-forest land - description of existing vegetation/root                             |  |  | NA   |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:            |  |  | 12/C1f-Low level blue Pine Forests and 0.20 crown density.(Mixed Conifer Selection Working Circle) |          |               |                  |
| S.No.  | Description  | Area (in Ha)                                       | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. | 7.0073   | rft  | 4500     | 135           | 6.07500          |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species   |  | No.  | 1300     | 29.34         | 0.38142          |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Melia azarachtica (Dhreenkh), Ulmus, Apple, and other broad leaved species  |  | No.  | 3800     | 23.17         | 0.88046          |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |  | No.  | 857      | 6.99          | 0.05990          |
| 5  | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |  | No.  | 700      | 7.18          | 0.05026          |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.  |  | km   | 0.7      | 45221         | 0.31655          |

|   |   |   |  |      |       |         |          |
|---|---|---|--|------|-------|---------|----------|
| 7   | Construction of permanent fireline 10 mtr wide with standard specification.   |   |  | Km   | 0.5   | 29250   | 0.14625  |
| 8   | Soil Conservation Works by means of DRSM  |   |  | cum  | 100   | 1099    | 1.09900  |
| 9   | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation. |   |  | No.  | 1300  | 8.03    | 0.10439  |
| 10  | Raising of Naked Root (Broad Leaved) Plants   |   |  | No.  | 3800  | 7.44    | 0.28272  |
| 11  | 1st Year Maintenance of Polybaged sapplings   |   |  | No.  | 1300  | 2.66    | 0.03458  |
| 12  | 2nd Year Maintenance of Polybaged sapplings   |   |  | No.  | 1300  | 2.66    | 0.03458  |
| 13  | 3rd Year Maintenance of Polybaged sapplings   |   |  | No.  | 1300  | 3.83    | 0.04979  |
| 14  | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.  | 1275 | 25%   | 29.34   | 0.37409  |
|   |   | 3rd year maintenance of the plantation  | No.  | 510  | 10%   | 29.34   | 0.14963  |
|   |   | 4th year maintenance of the plantation  | No.  | 255  | 5%    | 29.34   | 0.07482  |
|   |   | 5th year maintenance of the plantation  | No.  | 255  | 5%    | 29.34   | 0.07482  |
|   |   | 6th year maintenance of the plantation  | No.  | 255  | 5%    | 29.34   | 0.07482  |
|   |   | 7th year maintenance of the plantation  | No.  | 255  | 5%    | 29.34   | 0.07482  |
|   |   | 8th year maintenance of the plantation  | No.  | 255  | 5%    | 29.34   | 0.07482  |
|   |   | 9th year maintenance of the plantation  | No.  | 255  | 5%    | 29.34   | 0.07482  |
|   |   | 10th year maintenance of the plantation | No.  | 255  | 5%    | 29.34   | 0.07482  |
|   |   | 3rd year Fencing repair                 | Rft  | 1500 |       | 16.74   | 0.25110  |
|   | 5th year Fencing repair   | Rft                                     | 3000   |      | 16.74 | 0.50220 |          |
|   |   | Total                                   |  |      |       |         | 11.31564 |
| 15  | Watch and Ward of closure for 5 years   |   | M.Days   | 1825 |       | 311     | 5.67575  |
| 16  | Overhead/Unforcing charges, etc.  |   |  |      | LS    |         | 1.13156  |
|   | G.Total   |   |  |      |       |         | 18.12295 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |      |       |         |          |
| a   | General details   |   | An area of <b>7.0073 ha</b> with crown density <b>0.20</b> will be taken under Compensatory Afforestation Scheme in <b>Co 36/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |      |       |         |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |      |       |         |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |      |       |         |          |

|          |   |   |
|----------|---|---|
| <b>d</b> | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.           |
| <b>e</b> | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b> | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b> | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b> | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI. |
| <b>i</b> | Any other information   | Nil   |

  
 Block Officer  
 Forest Block, Ramban

  
 Range Officer  
 Forest Range, Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |   |   |                |
|--|---|---|----------------|
| <b>Full title of the Forest land Diversion project</b>   | Sawalkot HE Project (1856 MW)                             |   |                |
| <b>File No:</b>  | FP/JK/HYD/150591/2021                                     |   |                |
| <b>Date of Proposal:</b>   | 31-12-2021  |   |                |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       | Ramban Forest Division                                    |   |                |
| <b>Forest area to be diverted:</b>   | 332.28  | Ha  |                |
| <b>Forest/NFA to be planted</b>  | NA  |   |                |
| <b>No. of trees to be felled</b>   | 79412   |   |                |
| <b>No. of poles/plants to be damaged</b>   | 192617  |   |                |
| <b>Total No. of plants to be planted</b>   | 664560  |   |                |
| <b>No. of plants to be planted in this Unit</b>  | 8005  |   |                |
| <b>Details of land where C.A. is to be carried out:</b>  |   |   |                |
| <b>Degraded forest land</b>  | Yes   | Area:   | <b>10.9533</b> |
| <b>Non-forest land</b>   | NA  | Area:   | <b>NA</b>      |
| <b>Forest Division</b>   | Ramban  |   |                |
| <b>Range :</b>   | Ramban  |   |                |
| <b>Compartment</b>   | 35/R  |   |                |
| <b>Khasra No. (for non-forest land)</b>  | NA  |   |                |
| <b>CA Site</b>   | Dardhaee/Sujmatna   |   |                |
| <b>CA site (Area)</b>  | 10.9533   |   |                |
| <b>C.A Site Geo Coordinates:</b>   |   |   |                |
| <b>(i) Starting point</b>  | <b>Latitude:- 33°18'52.53"N Longitude:- 75°13'37.68"E</b> |   |                |
| <b>(ii) End Point</b>  | <b>Latitude:- 33°18'38.49"N Longitude:- 75°13'58.70"E</b> |   |                |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |   | NA             |
| a) Soil type:  |   | Clayey to sandy loam  |                |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |                |
| c) Slope: Steep/medium/gentle:   |   | Medium  |                |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA  |                |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1d-Western Mixed Coniferous Forests and 0.40 crown density.(Reboisement Working Circle) |                |

| S.No. | Description  |  | Area<br>(in Ha) | Unit   | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|--|-----------------|--------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |  | 10.9533         | rft    | 5900     | 135              | 7.96500             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species   |  |                 | No.    | 4500     | 29.34            | 1.32030             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |  |                 | No.    | 3505     | 23.17            | 0.81211             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |  |                 | No.    | 1200     | 6.99             | 0.08388             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |  |                 | No.    | 1200     | 7.18             | 0.08616             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |  |                 | km     | 1        | 45221            | 0.45221             |
| 7     | Construction of permanent fireline 10 mtr wide with standard specification.  |  |                 | Km     | 0.5      | 29250            | 0.14625             |
| 8     | Construction of Water Harvesting Pond (25'x25')  |  |                 | No.    | 1        | 300000           | 3.00000             |
| 9     | Soil Conservation Works by means of DRSM   |  |                 | cum    | 80       | 1099             | 0.87920             |
| 10    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |  |                 | No.    | 4500     | 8.03             | 0.36135             |
| 11    | Raising of Naked Root (Broad Leaved) Plants  |  |                 | No.    | 3505     | 7.44             | 0.26077             |
| 12    | 1st Year Maintenance of Polybaged sapplings  |  |                 | No.    | 4500     | 2.66             | 0.11970             |
| 13    | 2nd Year Maintenance of Polybaged sapplings  |  |                 | No.    | 4500     | 2.66             | 0.11970             |
| 14    | 3rd Year Maintenance of Polybaged sapplings  |  |                 | No.    | 4500     | 3.83             | 0.17235             |
| 15    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation | No.             | 2001.3 | 25%      | 29.34            | 0.58717             |
|       |  | 3rd year maintenance of the plantation | No.             | 801    | 10%      | 29.34            | 0.23487             |
|       |  | 4th year maintenance of the plantation | No.             | 400    | 5%       | 29.34            | 0.11743             |
|       |  | 5th year maintenance of the plantation | No.             | 400    | 5%       | 29.34            | 0.11743             |
|       |  | 6th year maintenance of the plantation | No.             | 400    | 5%       | 29.34            | 0.11743             |
|       |  | 7th year maintenance of the plantation | No.             | 400    | 5%       | 29.34            | 0.11743             |
|       |  | 8th year maintenance of the plantation | No.             | 400    | 5%       | 29.34            | 0.11743             |

|  |   |  |      |      |    |       |                 |
|--|---|--|------|------|----|-------|-----------------|
|  |   | 9th year maintenance of the plantation   | No.  | 400  | 5% | 29.34 | 0.11743         |
|  |   | 10th year maintenance of the plantation  | No.  | 400  | 5% | 29.34 | 0.11743         |
|  |   | 3rd year Fencing repair  | Rft  | 1300 |    | 16.74 | 0.21762         |
|  |   | 5th year Fencing repair  | Rft  | 2400 |    | 16.74 | 0.40176         |
|  |   | <b>Total</b>   |      |      |    |       | <b>18.04243</b> |
| 16   | Watch and Ward of clouser for 5 years.                          | M.days   | 1825 |      |    | 311   | 5.67575         |
| 17   | Overhead/Miscallenious charges                                  |  |      |      | LS |       | 1.80424         |
|  | <b>G.Total</b>  |  |      |      |    |       | <b>25.52242</b> |
| <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |  |      |      |    |       |                 |
| <b>a</b>   | General details   | An area of 10.9533 ha with crown density 0.40 will be taken under Compensatory Afforestation Scheme in Co 35/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |      |      |    |       |                 |
| <b>b</b>   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualitites and repair of fencing will be done. The plantation will be rain fed.   |      |      |    |       |                 |
| <b>c</b>   | Spacing   | 2.5 mtrs*2.5 mtrs  |      |      |    |       |                 |
| <b>d</b>   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.  |      |      |    |       |                 |
| <b>e</b>   | Silvicultural Operation   | The land is alomost barren. It does not require any silviculture operation except protection   |      |      |    |       |                 |
| <b>f</b>   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |      |      |    |       |                 |
| <b>g</b>   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |      |      |    |       |                 |
| <b>h</b>   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |      |      |    |       |                 |
| <b>i</b>   | Any other information   | Nil  |      |      |    |       |                 |

  
 Block Officer  
 Bhangara  
 Block Forest Officer  
 Block \_\_\_\_\_

  
 Range Officer  
 Forest Range  
 Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

| <b>Full title of the Forest land Diversion project</b>   | Sawalkot HE Project (1856 MW)  |   |        |          |               |                  |
|--|--|---|--------|----------|---------------|------------------|
| <b>File No:</b>  | FP/JK/HYD/150591/2021  |   |        |          |               |                  |
| <b>Date of Proposal:</b>   | 31-12-2021   |   |        |          |               |                  |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       | Ramban Forest Division   |   |        |          |               |                  |
| <b>Forest area to be diverted:</b>   | 332.28   |   | Ha     |          |               |                  |
| <b>Forest/NFA to be planted</b>  | NA   |   |        |          |               |                  |
| <b>No. of trees to be felled</b>   | 79412  |   |        |          |               |                  |
| <b>No. of poles/plants to be damaged</b>   | 192617   |   |        |          |               |                  |
| <b>Total No. of plants to be planted</b>   | 664560   |   |        |          |               |                  |
| <b>No. of plants to be planted in this Unit</b>  | 4510   |   |        |          |               |                  |
| <b>Details of land where C.A. is to be carried out:</b>  |  |   |        |          |               |                  |
| <b>Degraded forest land</b>  | Yes  | Area:   | 6.0105 |          |               |                  |
| <b>Non-forest land</b>   | NA   | Area:   | NA     |          |               |                  |
| <b>Forest Division</b>   | Ramban   |   |        |          |               |                  |
| <b>Range :</b>   | Ramban   |   |        |          |               |                  |
| <b>Compartment</b>   | 35/R   |   |        |          |               |                  |
| <b>Khasra No. (for non-forest land)</b>  | NA   |   |        |          |               |                  |
| <b>CA Site</b>   | Ahama/Sujmatna   |   |        |          |               |                  |
| <b>CA site (Area)</b>  | 6.0105   |   |        |          |               |                  |
| <b>C.A Site Geo Coordinates:</b>   |  |   |        |          |               |                  |
| <b>(i) Starting point</b>  | Latitude:- 33°18'47.35"N Longitude:- 75°13'21.40"E   |   |        |          |               |                  |
| <b>(ii) End Point</b>  | Latitude:- 33°18'41.17"N Longitude:- 75°13'35.87"E   |   |        |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   |        |          | NA            |                  |
| a) Soil type:  |  | Clayey to sandy loam  |        |          |               |                  |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |        |          |               |                  |
| c) Slope: Steep/medium/gentle:   |  | Medium  |        |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |        |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1d-Western Mixed Coniferous Forests and 0.10 crown density.(Reboisement Working Circle) |        |          |               |                  |
| S.No.  | Description  | Area (in Ha)  | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 6.0105  | rft    | 3700     | 135           | 4.99500          |

|    |  |  |     |        |      |        |         |
|----|--|--|-----|--------|------|--------|---------|
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species |  |     | No.    | 2710 | 29.34  | 0.79511 |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species                    |  |     | No.    | 1800 | 23.17  | 0.41706 |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |  |     | No.    | 600  | 6.99   | 0.04194 |
| 5  | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |  |     | No.    | 600  | 7.18   | 0.04308 |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.  |  |     | km     | 0.6  | 45221  | 0.27133 |
| 7  | Construction of permanent fireline 10 mtr wide with standard specification.  |  |     | Km     | 0.5  | 29250  | 0.14625 |
| 8  | Construction of Water Harvesting Pond (25'x25')  |  |     | No.    | 1    | 300000 | 3.00000 |
| 9  | Soil Conservation Works by means of DRSM   |  |     | cum    | 80   | 1099   | 0.87920 |
| 10 | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |  |     | No.    | 2710 | 8.03   | 0.21761 |
| 11 | Raising of Naked Root (Broad Leaved) Plants  |  |     | No.    | 1800 | 7.44   | 0.13392 |
| 12 | 1st Year Maintenance of Polybaged sapplings  |  |     | No.    | 2710 | 2.66   | 0.07209 |
| 13 | 2nd Year Maintenance of Polybaged sapplings  |  |     | No.    | 2710 | 2.66   | 0.07209 |
| 14 | 3rd Year Maintenance of Polybaged sapplings  |  |     | No.    | 2710 | 3.83   | 0.10379 |
| 15 | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation | No. | 1127.5 | 25%  | 29.34  | 0.33081 |
|    |  | 3rd year maintenance of the plantation | No. | 451    | 10%  | 29.34  | 0.13232 |
|    |  | 4th year maintenance of the plantation | No. | 226    | 5%   | 29.34  | 0.06616 |
|    |  | 5th year maintenance of the plantation | No. | 226    | 5%   | 29.34  | 0.06616 |
|    |  | 6th year maintenance of the plantation | No. | 226    | 5%   | 29.34  | 0.06616 |
|    |  | 7th year maintenance of the plantation | No. | 226    | 5%   | 29.34  | 0.06616 |
|    |  | 8th year maintenance of the plantation | No. | 226    | 5%   | 29.34  | 0.06616 |



|  |   |   |      |      |    |       |                 |
|--|---|---|------|------|----|-------|-----------------|
|  |   | 9th year maintenance of the plantation  | No.  | 226  | 5% | 29.34 | 0.06616         |
|  |   | 10th year maintenance of the plantation   | No.  | 226  | 5% | 29.34 | 0.06616         |
|  |   | 3rd year Fencing repair   | Rft  | 1300 |    | 16.74 | 0.21762         |
|  |   | 5th year Fencing repair   | Rft  | 2400 |    | 16.74 | 0.40176         |
|  |   | <b>Total</b>  |      |      |    |       | <b>12.73411</b> |
| 16   | Watch and Ward of clouser for 5 years.                          | M.days  | 1825 |      |    | 311   | 5.67575         |
| 17   | Overhead/Miscallenious charges                                  |   |      |      | LS |       | 1.27341         |
|  | <b>G.Total</b>  |   |      |      |    |       | <b>19.68327</b> |
| <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |   |      |      |    |       |                 |
| <b>a</b>   | General details   | An area of 6.0105 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 35/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |      |      |    |       |                 |
| <b>b</b>   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualitites and repair of fencing will be done. The plantation will be rain fed.  |      |      |    |       |                 |
| <b>c</b>   | Spacing   | 2.5 mtrs*2.5 mtrs   |      |      |    |       |                 |
| <b>d</b>   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |      |      |    |       |                 |
| <b>e</b>   | Silvicultural Operation   | The land is alomost barren. It does not require any silviculture operation except protection  |      |      |    |       |                 |
| <b>f</b>   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |      |      |    |       |                 |
| <b>g</b>   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |      |      |    |       |                 |
| <b>h</b>   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |      |      |    |       |                 |
| <b>i</b>   | Any other information   | Nil   |      |      |    |       |                 |

  
 Block Officer  
 Bhangara  
 Block Forest Officer  
 Block \_\_\_\_\_

  
 Range Officer  
 Forest Range Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |                    |   |   |                 |                      |                         |
|--|--------------------|---|---|-----------------|----------------------|-------------------------|
| <b>Full title of the Forest land Diversion project</b>   |                    | Sawalkot HE Project (1856 MW)                           |   |                 |                      |                         |
| <b>File No:</b>  |                    | FP/JK/HYD/150591/2021                                   |   |                 |                      |                         |
| <b>Date of Proposal:</b>   |                    | 31-12-2021  |   |                 |                      |                         |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       |                    | Ramban Forest Division                                  |   |                 |                      |                         |
| <b>Forest area to be diverted:</b>   |                    | 332.28  | Ha  |                 |                      |                         |
| <b>Forest/NFA to be planted</b>  |                    | NA  |   |                 |                      |                         |
| <b>No. of trees to be felled</b>   |                    | 79412   |   |                 |                      |                         |
| <b>No. of poles/plants to be damaged</b>   |                    | 192617  |   |                 |                      |                         |
| <b>Total No. of plants to be planted</b>   |                    | 664560  |   |                 |                      |                         |
| <b>No. of plants to be planted in this Unit</b>  |                    | 4000  |   |                 |                      |                         |
| <b>Details of land where C.A. is to be carried out:</b>  |                    |   |   |                 |                      |                         |
| <b>Degraded forest land</b>  |                    | Yes   | Area:   | 5.0371          |                      |                         |
| <b>Non-forest land</b>   |                    | NA  | Area:   | NA              |                      |                         |
| <b>Forest Division</b>   |                    | Ramban  |   |                 |                      |                         |
| <b>Range :</b>   |                    | Ramban  |   |                 |                      |                         |
| <b>Compartment</b>   |                    | 24/R  |   |                 |                      |                         |
| <b>Khasra No. (for non-forest land)</b>  |                    | NA  |   |                 |                      |                         |
| <b>CA Site</b>   |                    | Chiwlee/Senabetti                                       |   |                 |                      |                         |
| <b>CA site (Area)</b>  |                    | 5.0371  |   |                 |                      |                         |
| <b>C.A Site Geo Coordinates:</b>   |                    |   |   |                 |                      |                         |
| <b>(i) Starting point</b>  |                    | Latitude:- 33° 18' 41.96" N Longitude:- 75° 21' 24.37"E |   |                 |                      |                         |
| <b>(ii) End Point</b>  |                    | Latitude:- 33°18'37.20" N Longitude:- 75° 21' 41.89"E   |   |                 |                      |                         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |                    |   |   |                 |                      | NA                      |
| a) Soil type:  |                    |   | Clayey to sandy loam  |                 |                      |                         |
| b) Topography: hilly/undulating/plain:   |                    |   | Hilly   |                 |                      |                         |
| c) Slope: Steep/medium/gentle:   |                    |   | Medium  |                 |                      |                         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |                    |   | NA  |                 |                      |                         |
| e) In case of degraded forest land- description of forest type and crown density:  |                    |   | 12/C1d-Western Mixed Coniferous Forests and 0.10 crown density.(Fir Selection Working Circle) |                 |                      |                         |
| <b>S.No.</b>   | <b>Description</b> | <b>Area (in Ha)</b>                                     | <b>Unit</b>   | <b>Quantity</b> | <b>Rate Per Rft.</b> | <b>Amount (in Lacs)</b> |

|    |  |   |        |      |      |       |                |
|----|--|---|--------|------|------|-------|----------------|
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 5.0371 | rft  | 3800 | 135   | 5.13000        |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species   |   |        | No.  | 2500 | 29.34 | 0.73350        |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |        | No.  | 1500 | 23.17 | 0.34755        |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |        | No.  | 500  | 6.99  | 0.03495        |
| 5  | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |        | No.  | 500  | 7.18  | 0.03590        |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.  |   |        | km   | 0.5  | 45221 | 0.22611        |
| 7  | Soil Conservation Works by means of DRSM   |   |        | cum  | 80   | 1099  | 0.87920        |
| 8  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |        | No.  | 2500 | 8.03  | 0.20075        |
| 9  | Raising of Naked Root (Broad Leaved) Plants  |   |        | No.  | 1500 | 7.44  | 0.11160        |
| 10 | 1st Year Maintenance of Polybaged sapplings  |   |        | No.  | 2500 | 2.66  | 0.06650        |
| 11 | 2nd Year Maintenance of Polybaged sapplings  |   |        | No.  | 2500 | 2.66  | 0.06650        |
| 12 | 3rd Year Maintenance of Polybaged sapplings  |   |        | No.  | 2500 | 3.83  | 0.09575        |
| 13 | Maintenance of the clouser for 10 years  | 2nd year maintenance of the plantation  | No.    | 1000 | 25%  | 29.34 | 0.29340        |
|    |  | 3rd year maintenance of the plantation  | No.    | 400  | 10%  | 29.34 | 0.11736        |
|    |  | 4th year maintenance of the plantation  | No.    | 200  | 5%   | 29.34 | 0.05868        |
|    |  | 5th year maintenance of the plantation  | No.    | 200  | 5%   | 29.34 | 0.05868        |
|    |  | 6th year maintenance of the plantation  | No.    | 200  | 5%   | 29.34 | 0.05868        |
|    |  | 7th year maintenance of the plantation  | No.    | 200  | 5%   | 29.34 | 0.05868        |
|    |  | 8th year maintenance of the plantation  | No.    | 200  | 5%   | 29.34 | 0.05868        |
|    |  | 9th year maintenance of the plantation  | No.    | 200  | 5%   | 29.34 | 0.05868        |
|    |  | 10th year maintenance of the plantation | No.    | 200  | 5%   | 29.34 | 0.05868        |
|    |  | 3rd year Fencing repair                 | Rft    | 1216 |      | 16.74 | 0.20356        |
|    |  | 5th year Fencing repair                 | Rft    | 2432 |      | 16.74 | 0.40712        |
|    |  | <b>Total</b>                            |        |      |      |       | <b>9.36050</b> |
| 14 | Watch and Ward of clouser for 5 years.   |   | M.days | 1825 |      | 311   | 5.67575        |

|  |   |  |  |    |                 |
|--|---|--|--|----|-----------------|
| 15   | Overhead/Miscellaneous charges                                  |  |  | LS | 0.93605         |
|  | <b>G.Total</b>  |  |  |    | <b>15.97230</b> |
| <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |  |  |    |                 |
| <b>a</b>   | General details   | An area of 5.0371 ha with crown density 0.1 will be taken under Compensatory Afforestation Scheme in Co 24/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |  |    |                 |
| <b>b</b>   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |  |    |                 |
| <b>c</b>   | Spacing   | 2.5 mtrs*2.5 mtrs  |  |    |                 |
| <b>d</b>   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc   |  |    |                 |
| <b>e</b>   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |  |    |                 |
| <b>f</b>   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |  |    |                 |
| <b>g</b>   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |  |    |                 |
| <b>h</b>   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |  |    |                 |
| <b>i</b>   | Any other information   | Nil  |  |    |                 |

Ref.  
Block Officer  
Bhangara  
Block Forest Officer  
Block \_\_\_\_\_

Range Officer  
Forest Range Ramban

Divisional Forest Officer  
Ramban Forest Division  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |                    |  |  |                 |                      |                         |
|--|--------------------|--|--|-----------------|----------------------|-------------------------|
| <b>Full title of the Forest land Diversion project</b>   |                    | Sawalkot HE Project (1856 MW)                      |  |                 |                      |                         |
| <b>File No:</b>  |                    | FP/JK/HYD/150591/2021                              |  |                 |                      |                         |
| <b>Date of Proposal:</b>   |                    | 31-12-2021   |  |                 |                      |                         |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       |                    | Ramban Forest Division                             |  |                 |                      |                         |
| <b>Forest area to be diverted:</b>   |                    | 332.28   |  |                 | Ha                   |                         |
| <b>Forest/NFA to be planted</b>  |                    | NA   |  |                 |                      |                         |
| <b>No. of trees to be felled</b>   |                    | 79412  |  |                 |                      |                         |
| <b>No. of poles/plants to be damaged</b>   |                    | 192617   |  |                 |                      |                         |
| <b>Total No. of plants to be planted</b>   |                    | 664560   |  |                 |                      |                         |
| <b>No. of plants to be planted in this Unit</b>  |                    | 12000  |  |                 |                      |                         |
| <b>Details of land where C.A. is to be carried out:</b>  |                    |  |  |                 |                      |                         |
| <b>Degraded forest land</b>  |                    | Yes  | Area:  | 16.0981         |                      |                         |
| <b>Non-forest land</b>   |                    | NA   | Area:  | NA              |                      |                         |
| <b>Forest Division</b>   |                    | Ramban   |  |                 |                      |                         |
| <b>Range :</b>   |                    | Ramban   |  |                 |                      |                         |
| <b>Compartment</b>   |                    | 27/R   |  |                 |                      |                         |
| <b>Khasra No. (for non-forest land)</b>  |                    | NA   |  |                 |                      |                         |
| <b>CA Site</b>   |                    | Dal/Bhangara                                       |  |                 |                      |                         |
| <b>CA site (Area)</b>  |                    | 16.0981  |  |                 |                      |                         |
| <b>C.A Site Geo Coordinates:</b>   |                    |  |  |                 |                      |                         |
| <b>(i) Starting point</b>  |                    | Latitude:- 33°18'0.83" N Longitude:- 75°18'25.17"E |  |                 |                      |                         |
| <b>(ii) End Point</b>  |                    | Latitude:- 33°18'6.65"N Longitude:- 75°18'10.06"E  |  |                 |                      |                         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |                    |  |  |                 |                      | NA                      |
| a) Soil type:  |                    |  | Clayey to sandy loam   |                 |                      |                         |
| b) Topography: hilly/undulating/plain:   |                    |  | Hilly  |                 |                      |                         |
| c) Slope: Steep/medium/gentle:   |                    |  | Medium   |                 |                      |                         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |                    |  | NA   |                 |                      |                         |
| e) In case of degraded forest land- description of forest type and crown density:  |                    |  | 12/C1d-Western Mixed Coniferous Forests and 0.1 crown density.(Mixed Conifer Selection WC) |                 |                      |                         |
| <b>S.No.</b>   | <b>Description</b> | <b>Area (in Ha)</b>                                | <b>Unit</b>  | <b>Quantity</b> | <b>Rate Per Rft.</b> | <b>Amount (in Lacs)</b> |

|    |  |   |         |      |      |       |                 |
|----|--|---|---------|------|------|-------|-----------------|
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 16.0981 | rft  | 5005 | 135   | 6.75675         |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species   |   |         | No.  | 7000 | 29.34 | 2.05380         |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |         | No.  | 5000 | 23.17 | 1.15850         |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |         | No.  | 2000 | 6.99  | 0.13980         |
| 5  | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |         | No.  | 2000 | 7.18  | 0.14360         |
| 6  | Construction of inspection Path 1.5 meter wide with standard specification.  |   |         | KM   | 1.6  | 45221 | 0.72354         |
| 7  | Soil Conservation Works by means of DRSM   |   |         | cum  | 100  | 1099  | 1.09900         |
| 8  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |         | No.  | 7000 | 8.03  | 0.56210         |
| 9  | Raising of Naked Root (Broad Leaved) Plants  |   |         | No.  | 5000 | 7.44  | 0.37200         |
| 10 | 1st Year Maintenance of Polybaged sapplings  |   |         | No.  | 7000 | 2.66  | 0.18620         |
| 11 | 2nd Year Maintenance of Polybaged sapplings  |   |         | No.  | 7000 | 2.66  | 0.18620         |
| 12 | 3rd Year Maintenance of Polybaged sapplings  |   |         | No.  | 7000 | 3.83  | 0.26810         |
| 13 | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.     | 3000 | 25%  | 29.34 | 0.88020         |
|    |  | 3rd year maintenance of the plantation  | No.     | 1200 | 10%  | 29.34 | 0.35208         |
|    |  | 4th year maintenance of the plantation  | No.     | 600  | 5%   | 29.34 | 0.17604         |
|    |  | 5th year maintenance of the plantation  | No.     | 600  | 5%   | 29.34 | 0.17604         |
|    |  | 6th year maintenance of the plantation  | No.     | 600  | 5%   | 29.34 | 0.17604         |
|    |  | 7th year maintenance of the plantation  | No.     | 600  | 5%   | 29.34 | 0.17604         |
|    |  | 8th year maintenance of the plantation  | No.     | 600  | 5%   | 29.34 | 0.17604         |
|    |  | 9th year maintenance of the plantation  | No.     | 600  | 5%   | 29.34 | 0.17604         |
|    |  | 10th year maintenance of the plantation | No.     | 600  | 5%   | 29.34 | 0.17604         |
|    |  | 3rd year Fencing repair                 | Rft     | 1600 |      | 16.74 | 0.26784         |
|    |  | 5th year Fencing repair                 | Rft     | 3200 |      | 16.74 | 0.53568         |
|    |  | <b>Total</b>                            |         |      |      |       | <b>16.91767</b> |
| 14 | Watch and Ward of clouser for 5 years.   |   | M.days  | 1825 |      | 311   | 5.67575         |

|  |   |   |  |    |                 |
|--|---|---|--|----|-----------------|
| 15   | Overhead/Miscellaneous charges                                  |   |  | LS | 1.69177         |
|  | <b>G.Total</b>  |   |  |    | <b>24.28518</b> |
| <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |   |  |    |                 |
| <b>a</b>   | General details   | An area of 16.0981 ha with crown density 0.1 will be taken under Compensatory Afforestation Scheme in Co 27/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |  |    |                 |
| <b>b</b>   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |  |    |                 |
| <b>c</b>   | Spacing   | 2.5 mtrs*2.5 mtrs   |  |    |                 |
| <b>d</b>   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |  |    |                 |
| <b>e</b>   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |  |    |                 |
| <b>f</b>   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |  |    |                 |
| <b>g</b>   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |  |    |                 |
| <b>h</b>   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |  |    |                 |
| <b>i</b>   | Any other information   | Nil   |  |    |                 |

  
 Block Officer  
 Bhagara  
 Block Forest Officer  
 Block \_\_\_\_\_

  
 Range Officer  
 Forest Range Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |                    |  |   |                 |                      |                         |
|--|--------------------|--|---|-----------------|----------------------|-------------------------|
| <b>Full title of the Forest land Diversion project</b>   |                    | Sawalkot HE Project (1856 MW)                      |   |                 |                      |                         |
| <b>File No:</b>  |                    | FP/JK/HYD/150591/2021                              |   |                 |                      |                         |
| <b>Date of Proposal:</b>   |                    | 31-12-2021   |   |                 |                      |                         |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       |                    | Ramban Forest Division                             |   |                 |                      |                         |
| <b>Forest area to be diverted:</b>   |                    | 332.28   |   | Ha              |                      |                         |
| <b>Forest/NFA to be planted</b>  |                    | NA   |   |                 |                      |                         |
| <b>No. of trees to be felled</b>   |                    | 79412  |   |                 |                      |                         |
| <b>No. of poles/plants to be damaged</b>   |                    | 192617   |   |                 |                      |                         |
| <b>Total No. of plants to be planted</b>   |                    | 664560   |   |                 |                      |                         |
| <b>No. of plants to be planted in this Unit</b>  |                    | 6000   |   |                 |                      |                         |
| <b>Details of land where C.A. is to be carried out:</b>  |                    |  |   |                 |                      |                         |
| <b>Degraded forest land</b>  |                    | Yes  | Area:   | 9.0016          |                      |                         |
| <b>Non-forest land</b>   |                    | NA   | Area:   | NA              |                      |                         |
| <b>Forest Division</b>   |                    | Ramban   |   |                 |                      |                         |
| <b>Range :</b>   |                    | Ramban   |   |                 |                      |                         |
| <b>Compartment</b>   |                    | 31/R   |   |                 |                      |                         |
| <b>Khasra No. (for non-forest land)</b>  |                    | NA   |   |                 |                      |                         |
| <b>CA Site</b>   |                    | Chamhal/Bhangara                                   |   |                 |                      |                         |
| <b>CA site (Area)</b>  |                    | 9.0016   |   |                 |                      |                         |
| <b>C.A Site Geo Coordinates:</b>   |                    |  |   |                 |                      |                         |
| <b>(i) Starting point</b>  |                    | Latitude:- 33°19'20.80"N Longitude:- 75°16'35.55"E |   |                 |                      |                         |
| <b>(ii) End Point</b>  |                    | Latitude:- 33°19'20.23"N Longitude:- 75°16'19.63"E |   |                 |                      |                         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |                    |  |   |                 |                      | NA                      |
| a) Soil type:  |                    |  | Clayey to sandy loam  |                 |                      |                         |
| b) Topography: hilly/undulating/plain:   |                    |  | Hilly   |                 |                      |                         |
| c) Slope: Steep/medium/gentle:   |                    |  | Medium  |                 |                      |                         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |                    |  | NA  |                 |                      |                         |
| e) In case of degraded forest land- description of forest type and crown density:  |                    |  | 12/C1f-Low level blue Pine Forests and 0.20 crown density.(Conservation Working Circle) |                 |                      |                         |
| <b>S.No.</b>   | <b>Description</b> | <b>Area (in Ha)</b>                                | <b>Unit</b>   | <b>Quantity</b> | <b>Rate Per Rft.</b> | <b>Amount (in Lacs)</b> |



|    |  |   |        |      |      |       |                 |
|----|--|---|--------|------|------|-------|-----------------|
| 1  | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 9.0016 | rft  | 4400 | 135   | 5.94000         |
| 2  | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species   |   |        | No.  | 3500 | 29.34 | 1.02690         |
| 3  | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |        | No.  | 2500 | 23.17 | 0.57925         |
| 4  | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |        | No.  | 1000 | 6.99  | 0.06990         |
| 5  | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |        | No.  | 1100 | 7.18  | 0.07898         |
| 6  | Construction of inspection Path 1.00 meter wide with standard specification.   |   |        | KM   | 0.9  | 45221 | 0.40699         |
| 7  | Soil Conservation Works by means of DRSM   |   |        | cum  | 80   | 1099  | 0.87920         |
| 8  | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |        | No.  | 3500 | 8.03  | 0.28105         |
| 9  | Raising of Naked Root (Broad Leaved) Plants  |   |        | No.  | 2500 | 7.44  | 0.18600         |
| 10 | 1st Year Maintenance of Polybaged sapplings  |   |        | No.  | 3500 | 2.66  | 0.09310         |
| 11 | 2nd Year Maintenance of Polybaged sapplings  |   |        | No.  | 3500 | 2.66  | 0.09310         |
| 12 | 3rd Year Maintenance of Polybaged sapplings  |   |        | No.  | 3500 | 3.83  | 0.13405         |
| 13 | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.    | 1500 | 25%  | 29.34 | 0.44010         |
|    |  | 3rd year maintenance of the plantation  | No.    | 600  | 10%  | 29.34 | 0.17604         |
|    |  | 4th year maintenance of the plantation  | No.    | 300  | 5%   | 29.34 | 0.08802         |
|    |  | 5th year maintenance of the plantation  | No.    | 300  | 5%   | 29.34 | 0.08802         |
|    |  | 6th year maintenance of the plantation  | No.    | 300  | 5%   | 29.34 | 0.08802         |
|    |  | 7th year maintenance of the plantation  | No.    | 300  | 5%   | 29.34 | 0.08802         |
|    |  | 8th year maintenance of the plantation  | No.    | 300  | 5%   | 29.34 | 0.08802         |
|    |  | 9th year maintenance of the plantation  | No.    | 300  | 5%   | 29.34 | 0.08802         |
|    |  | 10th year maintenance of the plantation | No.    | 300  | 5%   | 29.34 | 0.08802         |
|    |  | 3rd year Fencing repair                 | Rft    | 1500 |      | 16.74 | 0.25110         |
|    |  | 5th year Fencing repair                 | Rft    | 3000 |      | 16.74 | 0.50220         |
|    |  | <b>Total</b>                            |        |      |      |       | <b>11.75410</b> |
| 15 | Watch and Ward of clouser for 5 years.   |   | M.days | 1825 |      | 311   | 5.67575         |

|    |  |   |  |    |                 |
|----|--|---|--|----|-----------------|
| 16 | Overhead/Unforeseen charges  |   |  | LS | 1.17541         |
|    | <b>G.Total</b>   |   |  |    | <b>18.60526</b> |
|    | <b>III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-</b> |   |  |    |                 |
| a  | General details  | An area of 9.0016 ha with crown density 0.20 will be taken under Compensatory Afforestation Scheme in Co 31/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |  |    |                 |
| b  | Plantation method  | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |  |    |                 |
| c  | Spacing  | 2.5 mtrs*2.5 mtrs   |  |    |                 |
| d  | Species proposed to be planted   | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |  |    |                 |
| e  | Silvicultural Operation  | The land is almost barren. It does not require any silviculture operation except protection   |  |    |                 |
| f  | Soil and moisture conservation works   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |  |    |                 |
| g  | Protection (Fencing , watch & ward, People's participation etc)  | The area will be protected by Fencing, people participation, watch and ward by staff etc  |  |    |                 |
| h  | Proposed Monitoring Mechanism  | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |  |    |                 |
| i  | Any other information  | Nil   |  |    |                 |

  
 Block Officer  
 Bhangara  
 Block Forest Officer  
 Block \_\_\_\_\_

  
 Range Officer  
 Forest Range Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |       |         |    |
|--|--|-------|---------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)  |       |         |    |
| File No:   | FP/JK/HYD/150591/2021  |       |         |    |
| Date of Proposal:  | 31-12-2021   |       |         |    |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division   |       |         |    |
| Forest area to be diverted:  | 332.28   | Ha    |         |    |
| Forest/NFA to be planted   | NA   |       |         |    |
| No. of trees to be felled  | 79412  |       |         |    |
| No. of poles/plants to be damaged  | 192617   |       |         |    |
| Total No. of plants to be planted  | 664560   |       |         |    |
| No. of plants to be planted in this Unit   | 10485  |       |         |    |
| Details of land where C.A. is to be carried out:   |  |       |         |    |
| Degraded forest land   | Yes  | Area: | 14.9838 | HA |
| Non-forest land  | NA   | Area: | NA      |    |
| Forest Division  | Ramban   |       |         |    |
| Range :  | Ramban   |       |         |    |
| Compartment  | 9/R  |       |         |    |
| Khasra No. (for non-forest land)   | NA   |       |         |    |
| C.A Site (Name of the location):   | Daganbass/Neel-D   |       |         |    |
| CA site (Area)   | 14.9838  | Ha    |         |    |
| C.A Site Geo Coordinates:  |  |       |         |    |
| (i) Starting point   | Latitude:-33°22'36.55"N Longitude:-75°16'25.27"E                                       |       |         |    |
| (ii) End Point   | Latitude:-33°22'37.09"N Longitude:-75°16'1.31"E  |       |         |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |       |         | NA |
| a) Soil type:  | Clayey to sandy loam   |       |         |    |
| b) Topography: hilly/undulating/plain:   | Hilly  |       |         |    |
| c) Slope: Steep/medium/gentle:   | Medium   |       |         |    |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA   |       |         |    |
| e) In case of degraded forest land- description of forest type and crown density:  | 12/C1f-Low level blue Pine Forests and 0.10 crown density.(Reboisement Working Circle) |       |         |    |

| S.No. | Description   |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|---|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 14.9838      | rft  | 5600     | 135           | 7.56000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (cedrus deodara) and other broad leaved species  |   |              | No.  | 5485     | 29.34         | 1.60930          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, Apricot and other broad leaved species   |   |              | No.  | 5000     | 23.17         | 1.15850          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)  |   |              | No.  | 1500     | 6.99          | 0.10485          |
| 5     | Dibbling in Patches of HC Nuts (45 x 45 x 15 Cms)   |   |              | No.  | 1500     | 7.18          | 0.10770          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.   |   |              | km   | 1.5      | 45221         | 0.67832          |
| 7     | Soil Conservation Works by means of DRSM  |   |              | cum  | 50       | 1099          | 0.54950          |
| 8     | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 5485     | 8.03          | 0.44045          |
| 9     | Raising of Naked Root (Broad Leaved) Plants   |   |              | No.  | 5000     | 7.44          | 0.37200          |
| 10    | 1st Year Maintenance of Polybagged sapplings  |   |              | No.  | 5485     | 2.66          | 0.14590          |
| 11    | 2nd Year Maintenance of Polybagged sapplings  |   |              | No.  | 5485     | 2.66          | 0.14590          |
| 12    | 3rd Year Maintenance of Polybagged sapplings  |   |              | No.  | 5485     | 3.83          | 0.21008          |
| 13    | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.          | 2621 | 25%      | 29.34         | 0.76907          |
|       |   | 3rd year maintenance of the plantation  | No.          | 1049 | 10%      | 29.34         | 0.30763          |
|       |   | 4th year maintenance of the plantation  | No.          | 524  | 5%       | 29.34         | 0.15381          |
|       |   | 5th year maintenance of the plantation  | No.          | 524  | 5%       | 29.34         | 0.15381          |
|       |   | 6th year maintenance of the plantation  | No.          | 524  | 5%       | 29.34         | 0.15381          |
|       |   | 7th year maintenance of the plantation  | No.          | 524  | 5%       | 29.34         | 0.15381          |
|       |   | 8th year maintenance of the plantation  | No.          | 524  | 5%       | 29.34         | 0.15381          |
|       |   | 9th year maintenance of the plantation  | No.          | 524  | 5%       | 29.34         | 0.15381          |
|       |   | 10th year maintenance of the plantation | No.          | 524  | 5%       | 29.34         | 0.15381          |
|       |   | 3rd year Fencing repair                 | Rft          | 2500 |          | 16.74         | 0.41850          |
|       |   | 5th year Fencing repair                 | Rft          | 3500 |          | 16.74         | 0.58590          |
|       |   | <b>Total</b>                            |              |      |          |               | <b>16.24030</b>  |
| 14    | Watch and Ward of closure for 5 years   |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 15    | Overhead/Unforcing charges, etc.  |   |              |      | LS       |               | 1.62403          |
|       | <b>G.Total</b>  |   |              |      |          |               | <b>23.54008</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>14.9838 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 9/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Apple, Apricot and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Apple, Apricot, Patch sowing of Kail and Deodar seeds, dibbling of HC Nuts etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

  
Block Forest Officer  
Forest Block

  
Range Officer  
Forest Range Ramban

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |  |        |    |
|--|---|--|--------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                     |  |        |    |
| File No:   | FP/JK/HYD/150591/2021                             |  |        |    |
| Date of Proposal:  | 31-12-2021  |  |        |    |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                            |  |        |    |
| Forest area to be diverted:  | 332.28  | Ha   |        |    |
| Forest/NFA to be planted   | NA  |  |        |    |
| No. of trees to be felled  | 79412   |  |        |    |
| No. of poles/plants to be damaged  | 192617  |  |        |    |
| Total No. of plants to be planted  | 664560  |  |        |    |
| No. of plants to be planted in this Unit   | 5050  |  |        |    |
| Details of land where C.A. is to be carried out:   |   |  |        |    |
| Degraded forest land   | Yes   | Area:  | 8.0488 | HA |
| Non-forest land  | NA  | Area:  | NA     |    |
| Forest Division  | Ramban  |  |        |    |
| Range :  | Ramban  |  |        |    |
| Compartment  | 9/R   |  |        |    |
| Khasra No. (for non-forest land)   | NA  |  |        |    |
| C.A Site (Name of the location):   | Daing Pathri/Neel-D                               |  |        |    |
| CA site (Area)   | 8.0488  | Ha   |        |    |
| C.A Site Geo Coordinates:  |   |  |        |    |
| (i) Starting point   | Latitude:-33°22'39.84"N Longitude:-75°15'33.46"E  |  |        |    |
| (ii) End Point   | Latitude:-33°22'27.28"N Longitude:- 75°15'24.93"E |  |        |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |  |        | NA |
| a) Soil type:  |   | Clayey to sandy loam   |        |    |
| b) Topography: hilly/undulating/plain:   |   | Hilly  |        |    |
| c) Slope: Steep/medium/gentle:   |   | Medium   |        |    |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA   |        |    |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f-Low level blue Pine Forests and 0.10 crown density.(Reboisement Working Circle) |        |    |

| S.No. | Description   |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|---|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 8.0488       | rft  | 6000     | 135           | 8.10000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (cedrus deodara) and other broad leaved species  |   |              | No.  | 3300     | 29.34         | 0.96822          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, Apricot and other broad leaved species   |   |              | No.  | 1750     | 23.17         | 0.40548          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)  |   |              | No.  | 1200     | 6.99          | 0.08388          |
| 5     | Dibbling in Patches of HC Nuts (45 x 45 x 15 Cms)   |   |              | No.  | 1000     | 7.18          | 0.07180          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.   |   |              | km   | 0.8      | 45221         | 0.36177          |
| 7     | Soil Conservation Works by means of DRSM  |   |              | cum  | 100      | 1099          | 1.09900          |
| 8     | Construction of Water Harvesting Pond (55'x55')   |   |              | No.  | 1        | 300000        | 3.00000          |
| 9     | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 3300     | 8.03          | 0.26499          |
| 10    | Raising of Naked Root (Broad Leaved) Plants   |   |              | No.  | 1750     | 7.44          | 0.13020          |
| 11    | 1st Year Maintenance of Polybagged sapplings  |   |              | No.  | 3300     | 2.66          | 0.08778          |
| 12    | 2nd Year Maintenance of Polybagged sapplings  |   |              | No.  | 3300     | 2.66          | 0.08778          |
| 13    | 3rd Year Maintenance of Polybagged sapplings  |   |              | No.  | 3300     | 3.83          | 0.12639          |
| 14    | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.          | 1263 | 25%      | 29.34         | 0.37042          |
|       |   | 3rd year maintenance of the plantation  | No.          | 505  | 10%      | 29.34         | 0.14817          |
|       |   | 4th year maintenance of the plantation  | No.          | 253  | 5%       | 29.34         | 0.07408          |
|       |   | 5th year maintenance of the plantation  | No.          | 253  | 5%       | 29.34         | 0.07408          |
|       |   | 6th year maintenance of the plantation  | No.          | 253  | 5%       | 29.34         | 0.07408          |
|       |   | 7th year maintenance of the plantation  | No.          | 253  | 5%       | 29.34         | 0.07408          |
|       |   | 8th year maintenance of the plantation  | No.          | 253  | 5%       | 29.34         | 0.07408          |
|       |   | 9th year maintenance of the plantation  | No.          | 253  | 5%       | 29.34         | 0.07408          |
|       |   | 10th year maintenance of the plantation | No.          | 253  | 5%       | 29.34         | 0.07408          |
|       |   | 3rd year Fencing repair                 | Rft          | 2500 |          | 16.74         | 0.41850          |
|       |   | 5th year Fencing repair                 | Rft          | 3500 |          | 16.74         | 0.58590          |
|       |   | <b>Total</b>                            |              |      |          |               | <b>16.82885</b>  |
| 15    | Watch and Ward of closure for 5 years   |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 16    | Overhead/Unforcing charges, etc.  |   |              |      | LS       |               | 1.68289          |
|       | <b>G.Total</b>  |   |              |      |          |               | <b>24.18749</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| <b>a</b>  | General details   | An area of <b>8.0488 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 9/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Apple, Apricot and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs  |
| <b>d</b>  | Species proposed to be planted                                  | Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Apple, Apricot, Patch sowing of Kail and Deodar seeds, dibbling of HC Nuts etc.  |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| <b>i</b>  | Any other information   | Nil  |

Block Forest Officer  
Forest Block

Range Officer  
Forest Range Ramban

Divisional Forest Officer  
Ramban Forest Division  
Ramban



| COMPENSATORY AFFORESTATION PLAN   |  |  |       |          |               |                  |
|---|--|--|-------|----------|---------------|------------------|
| Full title of the Forest land Diversion project   |  | Sawalkot HE Project (1856 MW)  |       |          |               |                  |
| File No:  |  | FP/JK/HYD/150591/2021  |       |          |               |                  |
| Date of Proposal:   |  | 31-12-2021   |       |          |               |                  |
| Name of the Forest Division (where forest land is   |  | Ramban Forest Division   |       |          |               |                  |
| Forest area to be diverted:   |  | 332.28 Ha  |       |          |               |                  |
| Forest/NFA to be planted  |  | NA   |       |          |               |                  |
| No. of trees to be felled   |  | 79412  |       |          |               |                  |
| No. of poles/plants to be damaged   |  | 192617   |       |          |               |                  |
| Total No. of plants to be planted   |  | 664560   |       |          |               |                  |
| No. of plants to be planted in this Unit  |  | 7000   |       |          |               |                  |
| Details of land where C.A. is to be carried out:  |  |  |       |          |               |                  |
| Degraded forest land  |  | Yes  | Area: | 12.213   | Ha            |                  |
| Non-forest land   |  | NA   | Area: | NA       |               |                  |
| Forest Division   |  | Ramban   |       |          |               |                  |
| Range :   |  | Ramban   |       |          |               |                  |
| Compartment   |  | 9/R  |       |          |               |                  |
| Khasra No. (for non-forest land)  |  | NA   |       |          |               |                  |
| C.A Site (Name of the location):  |  | Digwan Sargali /Neel-D   |       |          |               |                  |
| CA site (Area)  |  | 12.213   | Ha    |          |               |                  |
| C.A Site Geo Coordinates:   |  |  |       |          |               |                  |
| (i) Starting point  |  | Latitude:-33°22'7.39"N Longitude:-75°15'57.45"E  |       |          |               |                  |
| (ii) End Point  |  | Latitude:-33°21'57.37"N Longitude:-75°15'46.78"E                                       |       |          |               |                  |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest |  |  |       |          |               | NA               |
| a) Soil type:   |  | Clayey to sandy loam   |       |          |               |                  |
| b) Topography: hilly/undulating/plain:  |  | Hilly  |       |          |               |                  |
| c) Slope: Steep/medium/gentle:  |  | Medium   |       |          |               |                  |
| d) For non-forest land - description of existing vegetation/root stock and density :                          |  | NA   |       |          |               |                  |
| e) In case of degraded forest land- description of forest type and crown density:                             |  | 12/C1f-Low level blue Pine Forests and 0.10 crown density.(Reboisement Working Circle) |       |          |               |                  |
| S.No.   | Description  | Area (in Ha)   | Unit  | Quantity | Rate Per Rft. | Amount (in Lacs) |
| 1   | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. | 12.2130  | rft   | 5000     | 135           | 6.75000          |
| 2   | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Anardana (Punica granatum) and other broad leaved species  |  | No.   | 4000     | 29.34         | 1.17360          |
| 3   | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |  | No.   | 3000     | 23.17         | 0.69510          |
| 4   | Sowing in Patches Kail seeds (45 x 45 x 15 Cms)  |  | No.   | 2000     | 6.99          | 0.13980          |
| 5   | Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)  |  | No.   | 2000     | 7.18          | 0.14360          |
| 6   | Construction of inspection Path 1.50 meter wide with standard specification.   |  | km    | 0.8      | 45221         | 0.36177          |
| 7   | Construction of Water Harvesting Pond (55'x55')  |  | No.   | 1        | 300000        | 3.00000          |
| 8   | Soil Conservation Works by means of DRSM   |  | cum   | 350      | 1099          | 3.84650          |
| 9   | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.   |  | No.   | 4000     | 8.03          | 0.32120          |
| 10  | Raising of Naked Root (Broad Leaved) Plants  |  | No.   | 3000     | 7.44          | 0.22320          |
| 11  | 1st Year Maintenance of Polybagged sapplings   |  | No.   | 4000     | 2.66          | 0.10640          |

|   |   |   |  |       |         |       |          |
|---|---|---|--|-------|---------|-------|----------|
| 12  | 2nd Year Maintenance of Polybagged sapplings                    |   |  | No.   | 4000    | 2.66  | 0.10640  |
| 13  | 3rd Year Maintenance of Polybagged sapplings                    |   |  | No.   | 4000    | 3.83  | 0.15320  |
| 14  | Maintenance of the closure for 10 years                         | 2nd year maintenance of the plantation  | No.  | 1750  | 25%     | 29.34 | 0.51345  |
|   |   | 3rd year maintenance of the plantation  | No.  | 700   | 10%     | 29.34 | 0.20538  |
|   |   | 4th year maintenance of the plantation  | No.  | 350   | 5%      | 29.34 | 0.10269  |
|   |   | 5th year maintenance of the plantation  | No.  | 350   | 5%      | 29.34 | 0.10269  |
|   |   | 6th year maintenance of the plantation  | No.  | 350   | 5%      | 29.34 | 0.10269  |
|   |   | 7th year maintenance of the plantation  | No.  | 350   | 5%      | 29.34 | 0.10269  |
|   |   | 8th year maintenance of the plantation  | No.  | 350   | 5%      | 29.34 | 0.10269  |
|   |   | 9th year maintenance of the plantation  | No.  | 350   | 5%      | 29.34 | 0.10269  |
|   |   | 10th year maintenance of the plantation | No.  | 350   | 5%      | 29.34 | 0.10269  |
|   |   | 3rd year Fencing repair                 | Rft  | 2000  |         | 16.74 | 0.33480  |
| 5th year Fencing repair   | Rft   | 3000                                    |  | 16.74 | 0.50220 |       |          |
|   |   | Total                                   |  |       |         |       | 19.29543 |
| 15  | Watch and Ward of closure for 5 years                           |   | M.Days   | 1825  |         | 311   | 5.67575  |
| 16  | Overhead/Unforcing charges, etc.                                |   |  |       | LS      |       | 1.92954  |
|   | G.Total   |   |  |       |         |       | 26.90072 |
| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |  |       |         |       |          |
| a   | General details   |   | An area of <b>12.2130 ha</b> with crown density <b>0.10</b> will be taken under Compensatory Afforestation Scheme in <b>Co 9/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Kail (Pinus Wallichiana), Anardana (Punica granatum), Ulmus, Apple, and other broad leaved species will be planted in the area |       |         |       |          |
| b   | Plantation method   |   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |       |         |       |          |
| c   | Spacing   |   | 2.5 mtrs*2.5 mtrs  |       |         |       |          |
| d   | Species proposed to be planted                                  |   | Kail (Pinus Wallichiana), Anardana (Punica granatum), Ulmus, Apple, Patch sowing of Kail seeds, dibbling of HC nuts etc.   |       |         |       |          |
| e   | Silvicultural Operation   |   | The land is almost barren. It does not require any silviculture operation except protection  |       |         |       |          |
| f   | Soil and moisture conservation works                            |   | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.   |       |         |       |          |
| g   | Protection (Fencing , watch & ward, People’s participation etc) |   | The area will be protected by Fencing, people participation, watch and ward by staff etc   |       |         |       |          |
| h   | Proposed Monitoring Mechanism                                   |   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |       |         |       |          |
| i   | Any other information   |   | Nil  |       |         |       |          |

  
Block Forest Officer  
Forest Block

  
Range Officer  
Forest Range Ramban

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |  |            |
|--|---|--|------------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                     |  |            |
| File No:   | FP/JK/HYD/150591/2021                             |  |            |
| Date of Proposal:  | 31-12-2021  |  |            |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                            |  |            |
| Forest area to be diverted:  | 332.28  | Ha   |            |
| Forest/NFA to be planted   | NA  |  |            |
| No. of trees to be felled  | 79412   |  |            |
| No. of poles/plants to be damaged  | 192617  |  |            |
| Total No. of plants to be planted  | 664560  |  |            |
| No. of plants to be planted in this Unit   | 8553  |  |            |
| Details of land where C.A. is to be carried out:   |   |  |            |
| Degraded forest land   | Yes   | Area:  | 10.0565 HA |
| Non-forest land  | NA  | Area:  | NA         |
| Forest Division  | Ramban  |  |            |
| Range :  | Ramban  |  |            |
| Compartment  | 17a/R   |  |            |
| Khasra No. (for non-forest land)   | NA  |  |            |
| C.A Site (Name of the location):   | Panjwalli Behak/Maligam-A                         |  |            |
| CA site (Area)   | 10.0565 Ha  |  |            |
| C.A Site Geo Coordinates:  |   |  |            |
| (i) Starting point   | Latitude:- 33°20'47.41"N Longitude:-75°19'8.03"E  |  |            |
| (ii) End Point   | Latitude:- 33°20'44.91"N Longitude:-75°19'23.89"E |  |            |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |  | NA         |
| a) Soil type:  |   | Clayey to sandy loam   |            |
| b) Topography: hilly/undulating/plain:   |   | Hilly  |            |
| c) Slope: Steep/medium/gentle:   |   | Medium   |            |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA   |            |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f-Low level blue Pine Forests and 0.10 crown density.(Mixed Conifer Working Circle) |            |

| S.No. | Description   |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|---|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 10.0565      | rft  | 4600     | 135           | 6.21000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (cedrus deodara) and other broad leaved species  |   |              | No.  | 3553     | 29.34         | 1.04245          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus and other broad leaved species   |   |              | No.  | 5000     | 23.17         | 1.15850          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)  |   |              | No.  | 500      | 6.99          | 0.03495          |
| 5     | Dibbling in Patches of HC Nuts (45 x 45 x 15 Cms)   |   |              | No.  | 500      | 7.18          | 0.03590          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.   |   |              | km   | 1        | 45221         | 0.45221          |
| 7     | Soil Conservation Works by means of DRSM  |   |              | cum  | 100      | 1099          | 1.09900          |
| 8     | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 3553     | 8.03          | 0.28531          |
| 9     | Raising of Naked Root (Broad Leaved) Plants   |   |              | No.  | 5000     | 7.44          | 0.37200          |
| 10    | 1st Year Maintenance of Polybagged sapplings  |   |              | No.  | 3553     | 2.66          | 0.09451          |
| 11    | 2nd Year Maintenance of Polybagged sapplings  |   |              | No.  | 3553     | 2.66          | 0.09451          |
| 12    | 3rd Year Maintenance of Polybagged sapplings  |   |              | No.  | 3553     | 3.83          | 0.13608          |
| 13    | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.          | 2138 | 25%      | 29.34         | 0.62736          |
|       |   | 3rd year maintenance of the plantation  | No.          | 855  | 10%      | 29.34         | 0.25095          |
|       |   | 4th year maintenance of the plantation  | No.          | 428  | 5%       | 29.34         | 0.12547          |
|       |   | 5th year maintenance of the plantation  | No.          | 428  | 5%       | 29.34         | 0.12547          |
|       |   | 6th year maintenance of the plantation  | No.          | 428  | 5%       | 29.34         | 0.12547          |
|       |   | 7th year maintenance of the plantation  | No.          | 428  | 5%       | 29.34         | 0.12547          |
|       |   | 8th year maintenance of the plantation  | No.          | 428  | 5%       | 29.34         | 0.12547          |
|       |   | 9th year maintenance of the plantation  | No.          | 428  | 5%       | 29.34         | 0.12547          |
|       |   | 10th year maintenance of the plantation | No.          | 428  | 5%       | 29.34         | 0.12547          |
|       |   | 3rd year Fencing repair                 | Rft          | 1600 |          | 16.74         | 0.26784          |
|       |   | 5th year Fencing repair                 | Rft          | 3000 |          | 16.74         | 0.50220          |
|       |   | <b>Total</b>                            |              |      |          |               | <b>13.54207</b>  |
| 14    | <b>Watch and Ward of closure for 5 years</b>  |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 15    | Overhead/Unforcing charges, etc.  |   |              |      | LS       |               | 1.35421          |
|       | <b>G.Total</b>  |   |              |      |          |               | <b>20.57203</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>10.0565 ha</b> with crown density <b>10 %</b> will be taken under Compensatory Afforestation Scheme in <b>Co 17a/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Patch sowing of Kail and Deodar seeds, dibbling of HC Nuts etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

*B.O. Agal*  
*Fazal Ahmad*  
*Sahil*

*[Signature]*  
 Range Officer  
 Forest Range Ramban

*[Signature]*  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |   |         |    |
|--|--|---|---------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                    |   |         |    |
| File No:   | FP/JK/HYD/150591/2021                            |   |         |    |
| Date of Proposal:  | 31-12-2021                                       |   |         |    |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                           |   |         |    |
| Forest area to be diverted:  | 332.28   | Ha  |         |    |
| Forest/NFA to be planted   | NA   |   |         |    |
| No. of trees to be felled  | 79412  |   |         |    |
| No. of poles/plants to be damaged  | 192617   |   |         |    |
| Total No. of plants to be planted  | 664560   |   |         |    |
| No. of plants to be planted in this Unit   | 10432  |   |         |    |
| Details of land where C.A. is to be carried out:   |  |   |         |    |
| Degraded forest land   | Yes  | Area:   | 13.0865 | HA |
| Non-forest land  | NA   | Area:   | NA      |    |
| Forest Division  | Ramban   |   |         |    |
| Range :  | Ramban   |   |         |    |
| Compartment  | 19a/R  |   |         |    |
| Khasra No. (for non-forest land)   | NA   |   |         |    |
| C.A Site (Name of the location):   | Googlidhar/Hoochak                               |   |         |    |
| CA site (Area)   | 13.0865  | Ha  |         |    |
| C.A Site Geo Coordinates:  |  |   |         |    |
| (i) Starting point   | Latitude:-33°19'59.09"N Longitude:-75°19'26.43"E |   |         |    |
| (ii) End Point   | Latitude:-33°20'0.51"N Longitude:-75°19'9.62"E   |   |         |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   |         | NA |
| a) Soil type:  |  | Clayey to sandy loam  |         |    |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |         |    |
| c) Slope: Steep/medium/gentle:   |  | Medium  |         |    |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |         |    |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 12/C1f-Low level blue Pine Forests and 0.05 crown density.(Conservation Working Circle) |         |    |

| S.No. | Description   |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|---|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 13.0865      | rft  | 6700     | 135           | 9.04500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (cedrus deodara) and other broad leaved species  |   |              | No.  | 4000     | 29.34         | 1.17360          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus and other broad leaved species   |   |              | No.  | 6432     | 23.17         | 1.49029          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 6.99          | 0.06990          |
| 5     | Dibbling in Patches of HC Nuts (45 x 45 x 15 Cms)   |   |              | No.  | 1000     | 7.18          | 0.07180          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.   |   |              | km   | 1.3      | 45221         | 0.58787          |
| 7     | Soil Conservation Works by means of DRSM  |   |              | cum  | 150      | 1099          | 1.64850          |
| 8     | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 4000     | 8.03          | 0.32120          |
| 9     | Raising of Naked Root (Broad Leaved) Plants   |   |              | No.  | 6432     | 7.44          | 0.47854          |
| 10    | 1st Year Maintenance of Polybagged saplings   |   |              | No.  | 4000     | 2.66          | 0.10640          |
| 11    | 2nd Year Maintenance of Polybagged saplings   |   |              | No.  | 4000     | 2.66          | 0.10640          |
| 12    | 3rd Year Maintenance of Polybagged saplings   |   |              | No.  | 4000     | 3.83          | 0.15320          |
| 13    | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.          | 2608 | 25%      | 29.34         | 0.76519          |
|       |   | 3rd year maintenance of the plantation  | No.          | 1043 | 10%      | 29.34         | 0.30607          |
|       |   | 4th year maintenance of the plantation  | No.          | 522  | 5%       | 29.34         | 0.15304          |
|       |   | 5th year maintenance of the plantation  | No.          | 522  | 5%       | 29.34         | 0.15304          |
|       |   | 6th year maintenance of the plantation  | No.          | 522  | 5%       | 29.34         | 0.15304          |
|       |   | 7th year maintenance of the plantation  | No.          | 522  | 5%       | 29.34         | 0.15304          |
|       |   | 8th year maintenance of the plantation  | No.          | 522  | 5%       | 29.34         | 0.15304          |
|       |   | 9th year maintenance of the plantation  | No.          | 522  | 5%       | 29.34         | 0.15304          |
|       |   | 10th year maintenance of the plantation | No.          | 522  | 5%       | 29.34         | 0.15304          |
|       |   | 3rd year Fencing repair                 | Rft          | 2700 |          | 16.74         | 0.45198          |
|       |   | 5th year Fencing repair                 | Rft          | 4000 |          | 16.74         | 0.66960          |
|       |   | <b>Total</b>                            |              |      |          |               | <b>18.51681</b>  |
| 14    | <b>Watch and Ward of closure for 5 years</b>  |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 15    | Overhead/Unforcing charges, etc.  |   |              |      | LS       |               | 1.85168          |
|       | <b>G.Total</b>  |   |              |      |          |               | <b>26.04424</b>  |



| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>13.0865 ha</b> with crown density <b>0.05</b> will be taken under Compensatory Afforestation Scheme in <b>Co 19a/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Patch sowing of Kail and Deodar seeds, dibbling of HC Nuts etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

*B.O. Rajal*  
Fazal Ahmad  
Sahil

*[Signature]*  
Range Officer  
Forest Range Ramban


*[Signature]*  
Divisional Forest Officer  
Ramban Forest Division  
Ramban  
Divisional Forest Officer  
Ramban Forest Division  
Ramban



| COMPENSATORY AFFORESTATION PLAN  |   |   |         |    |
|--|---|---|---------|----|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                   |   |         |    |
| File No:   | FP/JK/HYD/150591/2021                           |   |         |    |
| Date of Proposal:  | 31-12-2021                                      |   |         |    |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                          |   |         |    |
| Forest area to be diverted:  | 332.28  | Ha  |         |    |
| Forest/NFA to be planted   | NA  |   |         |    |
| No. of trees to be felled  | 79412   |   |         |    |
| No. of poles/plants to be damaged  | 192617  |   |         |    |
| Total No. of plants to be planted  | 664560  |   |         |    |
| No. of plants to be planted in this Unit   | 14087   |   |         |    |
| Details of land where C.A. is to be carried out:   |   |   |         |    |
| Degraded forest land   | Yes   | Area:   | 20.0920 | HA |
| Non-forest land  | NA  | Area:   | NA      |    |
| Forest Division  | Ramban  |   |         |    |
| Range :  | Ramban  |   |         |    |
| Compartment  | 19a/R   |   |         |    |
| Khasra No. (for non-forest land)   | NA  |   |         |    |
| C.A Site (Name of the location):   | Gall Katai/Hoochak                              |   |         |    |
| CA site (Area)   | 20.0920   | Ha  |         |    |
| C.A Site Geo Coordinates:  |   |   |         |    |
| (i) Starting point   | Latitude:-33°20'11.51"N Longitude:-75°19'2.75"E |   |         |    |
| (ii) End Point   | Latitude:-33°20'6.04"N Longitude:-75°19'27.42"E |   |         |    |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |   |         | NA |
| a) Soil type:  |   | Clayey to sandy loam  |         |    |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |         |    |
| c) Slope: Steep/medium/gentle:   |   | Medium  |         |    |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA  |         |    |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f-Low level blue Pine Forests and 0.05 crown density.(Conservation Working Circle) |         |    |

| S.No. | Description   |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|---|---|--------------|------|----------|---------------|------------------|
| 1     | <b>Using Square PCC Fence Posts :-</b> Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence post to be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 20.0920      | rft  | 6700     | 135           | 9.04500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (cedrus deodara) and other broad leaved species  |   |              | No.  | 4000     | 29.34         | 1.17360          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus and other broad leaved species   |   |              | No.  | 10087    | 23.17         | 2.33716          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)  |   |              | No.  | 2500     | 6.99          | 0.17475          |
| 5     | Dibbling in Patches of HC Nuts (45 x 45 x 15 Cms)   |   |              | No.  | 2500     | 7.18          | 0.17950          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.   |   |              | km   | 2        | 45221         | 0.90442          |
| 7     | Soil Conservation Works by means of DRSM  |   |              | cum  | 150      | 1099          | 1.64850          |
| 8     | Raising of polybagged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 4000     | 8.03          | 0.32120          |
| 9     | Raising of Naked Root (Broad Leaved) Plants   |   |              | No.  | 10087    | 7.44          | 0.75047          |
| 10    | 1st Year Maintenance of Polybagged sapplings  |   |              | No.  | 4000     | 2.66          | 0.10640          |
| 11    | 2nd Year Maintenance of Polybagged sapplings  |   |              | No.  | 4000     | 2.66          | 0.10640          |
| 12    | 3rd Year Maintenance of Polybagged sapplings  |   |              | No.  | 4000     | 3.83          | 0.15320          |
| 13    | Maintenance of the closure for 10 years   | 2nd year maintenance of the plantation  | No.          | 3522 | 25%      | 29.34         | 1.03328          |
|       |   | 3rd year maintenance of the plantation  | No.          | 1409 | 10%      | 29.34         | 0.41331          |
|       |   | 4th year maintenance of the plantation  | No.          | 704  | 5%       | 29.34         | 0.20666          |
|       |   | 5th year maintenance of the plantation  | No.          | 704  | 5%       | 29.34         | 0.20666          |
|       |   | 6th year maintenance of the plantation  | No.          | 704  | 5%       | 29.34         | 0.20666          |
|       |   | 7th year maintenance of the plantation  | No.          | 704  | 5%       | 29.34         | 0.20666          |
|       |   | 8th year maintenance of the plantation  | No.          | 704  | 5%       | 29.34         | 0.20666          |
|       |   | 9th year maintenance of the plantation  | No.          | 704  | 5%       | 29.34         | 0.20666          |
|       |   | 10th year maintenance of the plantation | No.          | 704  | 5%       | 29.34         | 0.20666          |
|       |   | 3rd year Fencing repair                 | Rft          | 2700 |          | 16.74         | 0.45198          |
|       |   | 5th year Fencing repair                 | Rft          | 4000 |          | 16.74         | 0.66960          |
|       |   | <b>Total</b>                            |              |      |          |               | <b>20.91537</b>  |
| 14    | <b>Watch and Ward of closure for 5 years</b>  |   | M.Days       | 1825 |          | 311           | 5.67575          |
| 15    | Overhead/Unforcing charges, etc.  |   |              |      | LS       |               | 2.09154          |
|       | <b>G.Total</b>  |   |              |      |          |               | <b>28.68266</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| <b>a</b>  | General details   | An area of <b>20.0920 ha</b> with crown density <b>0.05</b> will be taken under Compensatory Afforestation Scheme in <b>Co 19a/R</b> in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus and other broad leaved species will be planted in the area |
| <b>b</b>  | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| <b>c</b>  | Spacing   | 2.5 mtrs*2.5 mtrs   |
| <b>d</b>  | Species proposed to be planted                                  | Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Patch sowing of Kail and Deodar seeds, dibbling of HC Nuts etc.   |
| <b>e</b>  | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| <b>f</b>  | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| <b>g</b>  | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| <b>h</b>  | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| <b>i</b>  | Any other information   | Nil   |

  
 B.O. Rajal  
 Forest Range Officer  
 Sahil

  
 Range Officer  
 Forest Range  
 Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |       |        |
|--|---|-------|--------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)   |       |        |
| File No:   | FP/JK/HYD/150591/2021   |       |        |
| Date of Proposal:  | 31-12-2021  |       |        |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division  |       |        |
| Forest area to be diverted:  | 332.28  | Ha    |        |
| Forest/NFA to be planted   | NA  |       |        |
| No. of trees to be felled  | 79412   |       |        |
| No. of poles/plants to be damaged  | 192617  |       |        |
| Total No. of plants to be planted  | 664560  |       |        |
| No. of plants to be planted in this Unit   | 4192  |       |        |
| Details of land where C.A. is to be carried out:   |   |       |        |
| Degraded forest land   | Yes   | Area: | 6.1083 |
| Non-forest land  | NA  | Area: | NA     |
| Forest Division  | Ramban  |       |        |
| Range :  | Ramban  |       |        |
| Compartment  | 48/R  |       |        |
| Khasra No. (for non-forest land)   | NA  |       |        |
| CA site  | Kanabathi/Jhatgali-B  |       |        |
| CA site (Area)   | 6.1083  |       |        |
| C.A Site Geo Coordinates:  |   |       |        |
| (i) Starting point   | Latitude:- 33°11'22.91"N Longitude:- 75°18'51.55"E                                |       |        |
| (ii) End Point   | Latitude:- 33°11'11.28"N Longitude:- 75°18'39.63"E                                |       |        |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |       | NA     |
| a) Soil type:  | Clayey to sandy loam  |       |        |
| b) Topography: hilly/undulating/plain:   | Hilly   |       |        |
| c) Slope: Steep/medium/gentle:   | Medium  |       |        |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA  |       |        |
| e) In case of degraded forest land- description of forest type and crown density:  | 12/C1f- Low Level Blue Pine Forests and 0.30 to 0.40 (Rebiosement Working Circle) |       |        |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 6.1083       | rft  | 5100     | 135           | 6.88500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chir (Pinus Roxburgii), Grewia Optiva (Dhaman), Shisham (Dalbergia sisso), Anardana (Punica Granatum) and other broad leaved species   |   |              | No.  | 1600     | 29.34         | 0.46944          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apricot and other broad leaved species   |   |              | No.  | 2592     | 23.17         | 0.60057          |
| 4     | Sowing in Patches Chir, Melia azarachtica, Santha, Raitha seeds (45 x 45 x 15 Cms)   |   |              | No.  | 500      | 6.99          | 0.03495          |
| 5     | Dibbling in Patches of Raitha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |              | No.  | 500      | 7.18          | 0.03590          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM   | 0.6      | 45221         | 0.27133          |
| 7     | Soil Conservation Works by means of DRSM   |   |              | cum  | 100      | 1099          | 1.09900          |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 1600     | 8.03          | 0.12848          |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 2592     | 7.44          | 0.19284          |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 1600     | 2.66          | 0.04256          |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 1600     | 2.66          | 0.04256          |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 1600     | 3.83          | 0.06128          |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 1048 | 25%      | 29.34         | 0.30748          |
|       |  | 3rd year maintenance of the plantation  | No.          | 419  | 10%      | 29.34         | 0.12299          |
|       |  | 4th year maintenance of the plantation  | No.          | 210  | 5%       | 29.34         | 0.06150          |
|       |  | 5th year maintenance of the plantation  | No.          | 210  | 5%       | 29.34         | 0.06150          |
|       |  | 6th year maintenance of the plantation  | No.          | 210  | 5%       | 29.34         | 0.06150          |
|       |  | 7th year maintenance of the plantation  | No.          | 210  | 5%       | 29.34         | 0.06150          |
|       |  | 8th year maintenance of the plantation  | No.          | 210  | 5%       | 29.34         | 0.06150          |
|       |  | 9th year maintenance of the plantation  | No.          | 210  | 5%       | 29.34         | 0.06150          |
|       |  | 10th year maintenance of the plantation | No.          | 210  | 5%       | 29.34         | 0.06150          |
|       |  | 3rd year Fencing repair                 | Rft          | 2000 |          | 16.74         | 0.33480          |
|       |  | 5th year Fencing repair                 | Rft          | 3100 |          | 16.74         | 0.51894          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>11.57860</b>  |
| 14    | Watch and Ward of clouser for 5 years.   |   | M.days       | 1825 |          | 311           | 5.67575          |
| 15    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 1.15786          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>18.41221</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| a   | General details   | An area of 6.1083 ha with crown density 0.30 to 0.40 will be taken under Compensatory Afforestation Scheme in Co 48/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Melia azarachtica (Dhreenkh), Chir (Pinus Roxburgii), Grewia Optiva (Dhaman), Shisham (Dalbergia sisso), Anardana (Punica Granatum and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs  |
| d   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Chir (Pinus Roxburgii), Grewia Optiva (Dhaman), Shisham (Dalbergia sisso), Anardana (Punica Granatum), Ulmus, Apricot Patch sowing of Chir, Melia  |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| i   | Any other information   | Nil  |

  
 Block Officer  
 Forest Block Ramban

  
 Range Officer  
 Forest Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |       |         |
|--|--|-------|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)  |       |         |
| File No:   | FP/JK/HYD/150591/2021  |       |         |
| Date of Proposal:  | 31-12-2021   |       |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division   |       |         |
| Forest area to be diverted:  | 332.28   | Ha    |         |
| Forest/NFA to be planted   | NA   |       |         |
| No. of trees to be felled  | 79412  |       |         |
| No. of poles/plants to be damaged  | 192617   |       |         |
| Total No. of plants to be planted  | 664560   |       |         |
| No. of plants to be planted in this Unit   | 9935   |       |         |
| Details of land where C.A. is to be carried out:   |  |       |         |
| Degraded forest land   | Yes  | Area: | 13.0659 |
| Non-forest land  | NA   | Area: | NA      |
| Forest Division  | Ramban   |       |         |
| Range :  | Ramban   |       |         |
| Compartment  | 61/R   |       |         |
| Khasra No. (for non-forest land)   | NA   |       |         |
| CA site  | Noshi Dhandrath/Dhandrath-B  |       |         |
| CA site (Area)   | 13.0659  |       |         |
| C.A Site Geo Coordinates:  |  |       |         |
| (i) Starting point   | Latitude:- 33°14'35.48"N Longitude:- 75°20'1.22"E  |       |         |
| (ii) End Point   | Latitude:- 33°14'34.13"N Longitude:- 75°19'48.26"E   |       |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |       | NA      |
| a) Soil type:  | Clayey to sandy loam   |       |         |
| b) Topography: hilly/undulating/plain:   | Hilly  |       |         |
| c) Slope: Steep/medium/gentle:   | Medium   |       |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA   |       |         |
| e) In case of degraded forest land- description of forest type and crown density:  | 9/C1b Upper or Himalayan Chir Pine Forests and 0.3 to 0.4 crown density.(Reboisement Working Circle) |       |         |



| S.No. | Description  |   | Area (in Ha) | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|--------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 13.0659      | rft    | 5600     | 135           | 7.56000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Melia azarachtica (Dhreenkh), Chir (Pinus Roxburgii), Grewia Optiva (Dhaman), Shisham (Dalbergia sisso), Anardana (Punica Granatum) and other broad leaved species   |   |              | No.    | 3000     | 29.34         | 0.88020          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Retha, Melia azarachtica (Dhreenkh), Apricot and other broad leaved species   |   |              | No.    | 6935     | 23.17         | 1.60684          |
| 4     | Sowing in Patches Retha, Melia azarachtica (Dhreenkh) seeds (45 x 45 x 15 Cms)   |   |              | No.    | 1500     | 6.99          | 0.10485          |
| 5     | Dibbling in Patches of Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   |              | No.    | 1500     | 7.18          | 0.10770          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM     | 1.3      | 45221         | 0.58787          |
| 7     | Construction of permanent fireline 10 mtr wide with standard specification.  |   |              | Km     | 0.5      | 29250         | 0.14625          |
| 8     | Soil Conservation Works by means of DRSM   |   |              | cum    | 150      | 1099          | 1.64850          |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.    | 3000     | 8.03          | 0.24090          |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.    | 6935     | 7.44          | 0.51596          |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.    | 3000     | 2.66          | 0.07980          |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.    | 3000     | 2.66          | 0.07980          |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.    | 3000     | 3.83          | 0.11490          |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 2483.8 | 25%      | 29.34         | 0.72873          |
|       |  | 3rd year maintenance of the plantation  | No.          | 994    | 10%      | 29.34         | 0.29149          |
|       |  | 4th year maintenance of the plantation  | No.          | 497    | 5%       | 29.34         | 0.14575          |
|       |  | 5th year maintenance of the plantation  | No.          | 497    | 5%       | 29.34         | 0.14575          |
|       |  | 6th year maintenance of the plantation  | No.          | 497    | 5%       | 29.34         | 0.14575          |
|       |  | 7th year maintenance of the plantation  | No.          | 497    | 5%       | 29.34         | 0.14575          |
|       |  | 8th year maintenance of the plantation  | No.          | 497    | 5%       | 29.34         | 0.14575          |
|       |  | 9th year maintenance of the plantation  | No.          | 497    | 5%       | 29.34         | 0.14575          |
|       |  | 10th year maintenance of the plantation | No.          | 497    | 5%       | 29.34         | 0.14575          |
|       |  | 3rd year Fencing repair                 | Rft          | 2000   |          | 16.74         | 0.33480          |
|       |  | 5th year Fencing repair                 | Rft          | 3600   |          | 16.74         | 0.60264          |
|       |  | <b>Total</b>                            |              |        |          |               | <b>16.65147</b>  |
| 15    | Watch and Ward of clouser for 5 years.   |   | M.days       | 1825   |          | 311           | 5.67575          |
| 16    | Overhead/Miscallenious charges   |   |              |        | LS       |               | 1.66515          |
|       | <b>G.Total</b>   |   |              |        |          |               | <b>23.99236</b>  |



| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 13.0659 ha with crown density 0.3 to 0.4 will be taken under Compensatory Afforestation Scheme in Co 61/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Banj, Melia azarachtica (Dhreenkh), Retha, Apricot and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Banj Melia azarachtica (Dhreenkh), Retha, Apricot, Patch sowing of Retha, Melia azarachtica (Dhreenkh) seeds, dibbling of Melia azarachtica (Dhreenkh) etc.   |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

  
 Block Officer  
 Ramban Forest Division

  
 Range Officer  
 Ramban Forest Division

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |   |         |
|--|--|---|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                      |   |         |
| File No:   | FP/JK/HYD/150591/2021                              |   |         |
| Date of Proposal:  | 31-12-2021   |   |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                             |   |         |
| Forest area to be diverted:  | 332.28   | Ha  |         |
| Forest/NFA to be planted   | NA   |   |         |
| No. of trees to be felled  | 79412  |   |         |
| No. of poles/plants to be damaged  | 192617   |   |         |
| Total No. of plants to be planted  | 664560   |   |         |
| No. of plants to be planted in this Unit   | 9053   |   |         |
| Details of land where C.A. is to be carried out:   |  |   |         |
| Degraded forest land   | Yes  | Area:   | 12.1755 |
| Non-forest land  | NA   | Area:   | NA      |
| Forest Division  | Ramban   |   |         |
| Range :  | Ramban   |   |         |
| Compartment  | 65/R   |   |         |
| Khasra No. (for non-forest land)   | NA   |   |         |
| CA site  | Batta (Kundi)/Chakka A 1                           |   |         |
| CA site (Area)   | 12.1755 HA   |   |         |
| C.A Site Geo Coordinates:  |  |   |         |
| (i) Starting point   | Latitude:- 33° 9'31.36"N Longitude:- 75°21'50.98"E |   |         |
| (ii) End Point   | Latitude:- 33° 9'23.95"N Longitude:- 75°21'43.25"E |   |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |   | NA      |
| a) Soil type:  |  | Clayey to sandy loam  |         |
| b) Topography: hilly/undulating/plain:   |  | Hilly   |         |
| c) Slope: Steep/medium/gentle:   |  | Medium  |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA  |         |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 9/C1b Upper or Himalayan Chir Pine Forests and 0.2 crown density.(Reboisement Working Circle) |         |

| S.No. | Description  |   | Area<br>(in Ha) | Unit   | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|--------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 12.1755         | rft    | 7400     | 135              | 9.99000             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of, Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species  |   |                 | No.    | 3000     | 29.34            | 0.88020             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Retha, Melia azarachtica (Dhreenkh), Apricot and other broad leaved species   |   |                 | No.    | 6053     | 23.17            | 1.40248             |
| 4     | Sowing in Patches Retha, Melia azarachtica (Dhreenkh) seeds (45 x 45 x 15 Cms)   |   |                 | No.    | 1500     | 6.99             | 0.10485             |
| 5     | Dibbling in Patches of Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)   |   |                 | No.    | 1500     | 7.18             | 0.10770             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM     | 1.2      | 45221            | 0.54265             |
| 7     | Construction of permanent fireline 10 mtr wide with standard specification.  |   |                 | Km     | 0.5      | 29250            | 0.14625             |
| 8     | Construction of Water Harvesting Pond (25'x25')  |   |                 | No.    | 1        | 300000           | 3.00000             |
| 9     | Soil Conservation Works by means of DRSM   |   |                 | cum    | 100      | 1099             | 1.09900             |
| 10    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.    | 3000     | 8.03             | 0.24090             |
| 11    | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.    | 6053     | 7.44             | 0.45034             |
| 12    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.    | 3000     | 2.66             | 0.07980             |
| 13    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.    | 3000     | 2.66             | 0.07980             |
| 14    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.    | 3000     | 3.83             | 0.11490             |
| 15    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 2263.3 | 25%      | 29.34            | 0.66404             |
|       |  | 3rd year maintenance of the plantation  | No.             | 905    | 10%      | 29.34            | 0.26562             |
|       |  | 4th year maintenance of the plantation  | No.             | 453    | 5%       | 29.34            | 0.13281             |
|       |  | 5th year maintenance of the plantation  | No.             | 453    | 5%       | 29.34            | 0.13281             |
|       |  | 6th year maintenance of the plantation  | No.             | 453    | 5%       | 29.34            | 0.13281             |
|       |  | 7th year maintenance of the plantation  | No.             | 453    | 5%       | 29.34            | 0.13281             |
|       |  | 8th year maintenance of the plantation  | No.             | 453    | 5%       | 29.34            | 0.13281             |
|       |  | 9th year maintenance of the plantation  | No.             | 453    | 5%       | 29.34            | 0.13281             |
|       |  | 10th year maintenance of the plantation | No.             | 453    | 5%       | 29.34            | 0.13281             |
|       |  | 3rd year Fencing repair                 | Rft             | 3000   |          | 16.74            | 0.50220             |
|       |  | 5th year Fencing repair                 | Rft             | 4400   |          | 16.74            | 0.73656             |
|       |  | <b>Total</b>                            |                 |        |          |                  | <b>21.33694</b>     |
| 16    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825   |          | 311              | 5.67575             |
| 17    | Overhead/Miscallenious charges   |   |                 |        | LS       |                  | 2.13369             |
|       | <b>G.Total</b>   |   |                 |        |          |                  | <b>29.14638</b>     |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 12.1755 ha with crown density 0.2 will be taken under Compensatory Afforestation Scheme in Co 65/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Daman (Grevia optiva), Melia azarachtica (Dhreenkh), Retha, Apricot and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Daman (Grevia optiva), Melia azarachtica (Dhreenkh), Retha, Apricot, Patch sowing of Retha, Melia azarachtica (Dhreenkh) seeds, dibbling of Melia azarachtica (Dhreenkh) etc.   |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

  
 Block Officer  
 Ramban Forest Division

  
 Range Officer  
 Ramban Forest Division

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |       |         |
|--|--|-------|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)  |       |         |
| File No:   | FP/JK/HYD/150591/2021  |       |         |
| Date of Proposal:  | 31-12-2021   |       |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division   |       |         |
| Forest area to be diverted:  | 332.28   | Ha    |         |
| Forest/NFA to be planted   | NA   |       |         |
| No. of trees to be felled  | 79412  |       |         |
| No. of poles/plants to be damaged  | 192617   |       |         |
| Total No. of plants to be planted  | 664560   |       |         |
| No. of plants to be planted in this Unit   | 8000   |       |         |
| Details of land where C.A. is to be carried out:   |  |       |         |
| Degraded forest land   | Yes  | Area: | 10.0444 |
| Non-forest land  | NA   | Area: | NA      |
| Forest Division  | Ramban   |       |         |
| Range :  | Ramban   |       |         |
| Compartment  | 63/R   |       |         |
| Khasra No. (for non-forest land)   | NA   |       |         |
| CA site  | Marag, Chabla/Dhandrath-B (I)  |       |         |
| CA site (Area)   | 10.0444  |       |         |
| C.A Site Geo Coordinates:  |  |       |         |
| (i) Starting point   | Latitude:- 33°13'50.76"N Longitude:- 75°20'28.92"E   |       |         |
| (ii) End Point   | Latitude:- 33°13'49.96"N Longitude:- 75°20'40.68"E   |       |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |       | NA      |
| a) Soil type:  | Clayey to sandy loam   |       |         |
| b) Topography: hilly/undulating/plain:   | Hilly  |       |         |
| c) Slope: Steep/medium/gentle:   | Medium   |       |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA   |       |         |
| e) In case of degraded forest land- description of forest type and crown density:  | 9/C1b Upper or Himalayan Chir Pine Forests and 5% crown density.(Reboisement Working Circle) |       |         |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 10.0444         | rft  | 4220     | 135              | 5.69700             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara), Oak and other broad leaved species  |   |                 | No.  | 5000     | 29.34            | 1.46700             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, and other broad leaved species  |   |                 | No.  | 3000     | 23.17            | 0.69510             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 1000     | 6.99             | 0.06990             |
| 5     | Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |                 | No.  | 1000     | 7.18             | 0.07180             |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 1        | 45221            | 0.45221             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 200      | 1099             | 2.19800             |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 5000     | 8.03             | 0.40150             |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 3000     | 7.44             | 0.22320             |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5000     | 2.66             | 0.13300             |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5000     | 2.66             | 0.13300             |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 5000     | 3.83             | 0.19150             |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 2000 | 25%      | 29.34            | 0.58680             |
|       |  | 3rd year maintenance of the plantation  | No.             | 800  | 10%      | 29.34            | 0.23472             |
|       |  | 4th year maintenance of the plantation  | No.             | 400  | 5%       | 29.34            | 0.11736             |
|       |  | 5th year maintenance of the plantation  | No.             | 400  | 5%       | 29.34            | 0.11736             |
|       |  | 6th year maintenance of the plantation  | No.             | 400  | 5%       | 29.34            | 0.11736             |
|       |  | 7th year maintenance of the plantation  | No.             | 400  | 5%       | 29.34            | 0.11736             |
|       |  | 8th year maintenance of the plantation  | No.             | 400  | 5%       | 29.34            | 0.11736             |
|       |  | 9th year maintenance of the plantation  | No.             | 400  | 5%       | 29.34            | 0.11736             |
|       |  | 10th year maintenance of the plantation | No.             | 400  | 5%       | 29.34            | 0.11736             |
|       |  | 3rd year Fencing repair                 | Rft             | 1350 |          | 16.74            | 0.22599             |
|       |  | 5th year Fencing repair                 | Rft             | 2700 |          | 16.74            | 0.45198             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>14.05422</b>     |
| 14    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825 |          | 311              | 5.67575             |
| 15    | Overhead/Miscallenious charges   |   |                 |      | LS       |                  | 1.40542             |
|       | <b>G.Total</b>   |   |                 |      |          |                  | <b>21.13539</b>     |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 10.0444 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 63/R in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Oak and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, Melia azarachtica (Dhreenkh) etc.   |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

  
 Block Officer  
 Forest Block Ramban

  
 Range Officer  
 Forest Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |  |  |         |
|--|--|--|---------|
| <b>Full title of the Forest land Diversion project</b>   | Sawalkot HE Project (1856 MW)                      |  |         |
| <b>File No:</b>  | FP/JK/HYD/150591/2021                              |  |         |
| <b>Date of Proposal:</b>   | 31-12-2021   |  |         |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       | Ramban Forest Division                             |  |         |
| <b>Forest area to be diverted:</b>   | 332.28   | Ha   |         |
| <b>Forest/NFA to be planted</b>  | NA   |  |         |
| <b>No. of trees to be felled</b>   | 79412  |  |         |
| <b>No. of poles/plants to be damaged</b>   | 192617   |  |         |
| <b>Total No. of plants to be planted</b>   | 664560   |  |         |
| <b>No. of plants to be planted in this Unit</b>  | 16000  |  |         |
| <b>Details of land where C.A. is to be carried out:</b>  |  |  |         |
| <b>Degraded forest land</b>  | Yes  | Area:  | 21.0933 |
| <b>Non-forest land</b>   | NA   | Area:  | NA      |
| <b>Forest Division</b>   | Ramban   |  |         |
| <b>Range :</b>   | Ramban   |  |         |
| <b>Compartment</b>   | 47/Ramban  |  |         |
| <b>Khasra No. (for non-forest land)</b>  | NA   |  |         |
| <b>CA site</b>   | <b>Chakwa Nallah/Sildhar</b>                       |  |         |
| <b>CA site (Area)</b>  | 21.093   |  |         |
| <b>C.A Site Geo Coordinates:</b>   |  |  |         |
| <b>(i) Starting point</b>  | Latitude:- 33°12'45.27"N Longitude:- 75°18'10.98"E |  |         |
| <b>(ii) End Point</b>  | Latitude:- 33°13'0.28"N Longitude:- 75°17'40.25"E  |  |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |  | NA      |
| a) Soil type:  |  | Clayey to sandy loam   |         |
| b) Topography: hilly/undulating/plain:   |  | Hilly  |         |
| c) Slope: Steep/medium/gentle:   |  | Medium   |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |  | NA   |         |
| e) In case of degraded forest land- description of forest type and crown density:  |  | 9/C1b Upper or Himalayan Chir Pine Forests and 0.20 crown density (Reboisement Working Circle) |         |



| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 21.09        | rft  | 10000    | 135           | 13.50000         |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species   |   |              | No.  | 6000     | 29.34         | 1.76040          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana, and other broad leaved species   |   |              | No.  | 10000    | 23.17         | 2.31700          |
| 4     | Sowing in Patches Chir, Makhan seeds (45 x 45 x 15 Cms)  |   |              | No.  | 2600     | 6.99          | 0.18174          |
| 5     | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |              | No.  | 3000     | 7.18          | 0.21540          |
| 6     | Sowing of grass slips in patches (red clover etc)  |   |              | No.  | 5000     | 6.35          | 0.31750          |
| 7     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM   | 2        | 45221         | 0.90442          |
| 8     | Soil Conservation Works by means of DRSM   |   |              | cum  | 100      | 1099          | 1.09900          |
| 9     | Construction of permanent fire line 10 mtr in width with standard specification.   |   |              | KM   | 0.5      | 29250         | 0.14625          |
| 10    | Construction of water harvesting structure (pond)  |   |              | No.  | 1        | L/s           | 3.00000          |
| 11    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 6000     | 8.03          | 0.48180          |
| 12    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 10000    | 7.44          | 0.74400          |
| 13    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 6000     | 2.66          | 0.15960          |
| 14    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 6000     | 2.66          | 0.15960          |
| 15    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 6000     | 3.83          | 0.22980          |
| 16    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 4000 | 25%      | 29.34         | 1.17360          |
|       |  | 3rd year maintenance of the plantation  | No.          | 1600 | 10%      | 29.34         | 0.46944          |
|       |  | 4th year maintenance of the plantation  | No.          | 800  | 5%       | 29.34         | 0.23472          |
|       |  | 5th year maintenance of the plantation  | No.          | 800  | 5%       | 29.34         | 0.23472          |
|       |  | 6th year maintenance of the plantation  | No.          | 800  | 5%       | 29.34         | 0.23472          |
|       |  | 7th year maintenance of the plantation  | No.          | 800  | 5%       | 29.34         | 0.23472          |
|       |  | 8th year maintenance of the plantation  | No.          | 800  | 5%       | 29.34         | 0.23472          |
|       |  | 9th year maintenance of the plantation  | No.          | 800  | 5%       | 29.34         | 0.23472          |
|       |  | 10th year maintenance of the plantation | No.          | 800  | 5%       | 29.34         | 0.23472          |
|       |  | 3rd year Fencing repair                 | Rft          | 3200 |          | 16.74         | 0.53568          |
|       |  | 5th year Fencing repair                 | Rft          | 6400 |          | 16.74         | 1.07136          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>30.10963</b>  |
| 17    | Watch and Ward of clouser for 5 years.   |   | M.days       | 1825 |          | 311           | 5.67575          |
| 18    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 3.01096          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>38.79634</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 21.09 ha with crown density 0.20 will be taken under Compensatory Afforestation Scheme in Co 47/Ramban in Ramban Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Chir, Makhan, dibbling of Chir, Santha and Melia azarachtica (Dhreenkh) etc.   |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

  
 Block Officer  
 Forest Block Ramban

  
 Range Officer  
 Forest Range Ramban

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |   |   |        |
|--|---|---|--------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)                     |   |        |
| File No:   | FP/JK/HYD/150591/2021                             |   |        |
| Date of Proposal:  | 31-12-2021  |   |        |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division                            |   |        |
| Forest area to be diverted:  | 332.28  | Ha  |        |
| Forest/NFA to be planted   | NA  |   |        |
| No. of trees to be felled  | 79412   |   |        |
| No. of poles/plants to be damaged  | 192617  |   |        |
| Total No. of plants to be planted  | 664560  |   |        |
| No. of plants to be planted in this Unit   | 3732  |   |        |
| Details of land where C.A. is to be carried out:   |   |   |        |
| Degraded forest land   | Yes   | Area:   | 6.0336 |
| Non-forest land  | NA  | Area:   | NA     |
| Forest Division  | Ramban  |   |        |
| Range :  | SC Banihal  |   |        |
| Compartment  | 46/Banihal  |   |        |
| Khasra No. (for non-forest land)   | NA  |   |        |
| CA site  | Zaban /Zaban-I                                    |   |        |
| CA site (Area)   | 6.0336  |   |        |
| C.A Site Geo Coordinates:  |   |   |        |
| (i) Starting point   | Latitude:- 33°30'5.23"N Longitude:- 75° 8'55.95"E |   |        |
| (ii) End Point   | Latitude:- 33°30'2.93"N Longitude:- 75° 9'11.55"E |   |        |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |   | NA     |
| a) Soil type:  |   | Clayey to sandy loam  |        |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |        |
| c) Slope: Steep/medium/gentle:   |   | Medium  |        |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA  |        |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f-Low level blue Pine Forests and 0.20 % crown density.(Conservation Working Circle) |        |

| S.No. | Description  |   | Area<br>(in Ha) | Unit | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 6.0336          | rft  | 3800     | 135              | 5.13000             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara) and other broad leaved species   |   |                 | No.  | 1732     | 29.34            | 0.50817             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, Apricot, Rubinea and other broad leaved species   |   |                 | No.  | 2000     | 23.17            | 0.46340             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.  | 1000     | 6.99             | 0.06990             |
| 5     | Dibbling in Patches of HC nuts and Walnut (45 x 45 x 15 Cms)   |   |                 | No.  | 1000     | 7.18             | 0.07180             |
| 6     | Sowing of grass slips in patches (Red Clover)  |   |                 | No.  | 500      | 6.35             | 0.03175             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum  | 50       | 1099             | 0.54950             |
| 8     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM   | 0.6      | 45221            | 0.27133             |
| 9     | Construction of Water Harvesting Pond (25'x25')  |   |                 | No.  | 1        | 300000           | 3.00000             |
| 10    | Construction of permanent fireline 10 mtr wide with standard specification.  |   |                 | Km   | 0.5      | 29250            | 0.14625             |
| 11    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.  | 1732     | 8.03             | 0.13908             |
| 12    | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.  | 2000     | 7.44             | 0.14880             |
| 13    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.  | 1732     | 2.66             | 0.04607             |
| 14    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 1732     | 2.66             | 0.04607             |
| 15    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.  | 1732     | 3.83             | 0.06634             |
| 16    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 933  | 25%      | 29.34            | 0.27374             |
|       |  | 3rd year maintenance of the plantation  | No.             | 373  | 10%      | 29.34            | 0.10950             |
|       |  | 4th year maintenance of the plantation  | No.             | 187  | 5%       | 29.34            | 0.05475             |
|       |  | 5th year maintenance of the plantation  | No.             | 187  | 5%       | 29.34            | 0.05475             |
|       |  | 6th year maintenance of the plantation  | No.             | 187  | 5%       | 29.34            | 0.05475             |
|       |  | 7th year maintenance of the plantation  | No.             | 187  | 5%       | 29.34            | 0.05475             |
|       |  | 8th year maintenance of the plantation  | No.             | 187  | 5%       | 29.34            | 0.05475             |
|       |  | 9th year maintenance of the plantation  | No.             | 187  | 5%       | 29.34            | 0.05475             |
|       |  | 10th year maintenance of the plantation | No.             | 187  | 5%       | 29.34            | 0.05475             |
|       |  | 3rd year Fencing repair                 | Rft             | 1800 |          | 16.74            | 0.30132             |
|       |  | 5th year Fencing repair                 | Rft             | 2000 |          | 16.74            | 0.33480             |
|       |  | <b>Total</b>                            |                 |      |          |                  | <b>12.09105</b>     |
| 17    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825 |          | 311              | 5.67575             |
| 18    | Overhead/Miscallenious charges   |   |                 |      | LS       |                  | 1.20911             |
|       | <b>G.Total</b>   |   |                 |      |          |                  | <b>18.97591</b>     |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 6.0336 ha with crown density 0.20 will be taken under Compensatory Afforestation Scheme in Co 46/Banihal in SC Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, Walnut etc.  |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

  
**RABHUEIR SINGH**  
 B/O S. C. Banihal

  
 R O S C  
 Banihal  
 S. C. Range Banihal

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |   |   |               |
|--|---|---|---------------|
| <b>Full title of the Forest land Diversion project</b>   | Sawalkot HE Project (1856 MW)                     |   |               |
| <b>File No:</b>  | FP/JK/HYD/150591/2021                             |   |               |
| <b>Date of Proposal:</b>   | 31-12-2021  |   |               |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       | Ramban Forest Division                            |   |               |
| <b>Forest area to be diverted:</b>   | 332.28  | Ha  |               |
| <b>Forest/NFA to be planted</b>  | NA  |   |               |
| <b>No. of trees to be felled</b>   | 79412   |   |               |
| <b>No. of poles/plants to be damaged</b>   | 192617  |   |               |
| <b>Total No. of plants to be planted</b>   | 664560  |   |               |
| <b>No. of plants to be planted in this Unit</b>  | 1582  |   |               |
| <b>Details of land where C.A. is to be carried out:</b>  |   |   |               |
| <b>Degraded forest land</b>  | Yes   | Area:   | <b>2.1911</b> |
| <b>Non-forest land</b>   | NA  | Area:   | <b>NA</b>     |
| <b>Forest Division</b>   | Ramban  |   |               |
| <b>Range :</b>   | SC Banihal  |   |               |
| <b>Compartment</b>   | 46/Banihal  |   |               |
| <b>Khasra No. (for non-forest land)</b>  | NA  |   |               |
| <b>CA site</b>   | Zaban /Zaban-II                                   |   |               |
| <b>CA site (Area)</b>  | 2.1911  |   |               |
| <b>C.A Site Geo Coordinates:</b>   |   |   |               |
| <b>(i) Starting point</b>  | Latitude:- 33°30'4.35"N Longitude:- 75° 9'22.66"E |   |               |
| <b>(ii) End Point</b>  | Latitude:- 33°30'4.94"N Longitude:- 75° 9'30.10"E |   |               |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |   | NA            |
| a) Soil type:  |   | Clayey to sandy loam  |               |
| b) Topography: hilly/undulating/plain:   |   | Hilly   |               |
| c) Slope: Steep/medium/gentle:   |   | Medium  |               |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA  |               |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f-Low level blue Pine Forests and 5% crown density.(Conservation Working Circle) |               |

| S.No. | Description  |   | Area<br>(in Ha) | Unit  | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|-------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 2.1911          | rft   | 2150     | 135              | 2.90250             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara) and other broad leaved species   |   |                 | No.   | 582      | 29.34            | 0.17076             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, Apricot, Rubinea and other broad leaved species   |   |                 | No.   | 1000     | 23.17            | 0.23170             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.   | 250      | 6.99             | 0.01748             |
| 5     | Dibbling in Patches of HC nuts and Walnut (45 x 45 x 15 Cms)   |   |                 | No.   | 250      | 7.18             | 0.01795             |
| 6     | Sowing of grass slips in patches (Red Clover)  |   |                 | No.   | 500      | 6.35             | 0.03175             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum   | 25       | 1099             | 0.27475             |
| 8     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM    | 0.2      | 45221            | 0.09044             |
| 9     | Construction of permanent fireline 10 mtr wide with standard specification.  |   |                 | Km    | 1        | 29250            | 0.29250             |
| 10    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.   | 582      | 8.03             | 0.04673             |
| 11    | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.   | 1000     | 7.44             | 0.07440             |
| 12    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.   | 582      | 2.66             | 0.01548             |
| 13    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.   | 582      | 2.66             | 0.01548             |
| 14    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.   | 582      | 3.83             | 0.02229             |
| 15    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 395.5 | 25%      | 29.34            | 0.11604             |
|       |  | 3rd year maintenance of the plantation  | No.             | 158   | 10%      | 29.34            | 0.04642             |
|       |  | 4th year maintenance of the plantation  | No.             | 79    | 5%       | 29.34            | 0.02321             |
|       |  | 5th year maintenance of the plantation  | No.             | 79    | 5%       | 29.34            | 0.02321             |
|       |  | 6th year maintenance of the plantation  | No.             | 79    | 5%       | 29.34            | 0.02321             |
|       |  | 7th year maintenance of the plantation  | No.             | 79    | 5%       | 29.34            | 0.02321             |
|       |  | 8th year maintenance of the plantation  | No.             | 79    | 5%       | 29.34            | 0.02321             |
|       |  | 9th year maintenance of the plantation  | No.             | 79    | 5%       | 29.34            | 0.02321             |
|       |  | 10th year maintenance of the plantation | No.             | 79    | 5%       | 29.34            | 0.02321             |
|       |  | 3rd year Fencing repair                 | Rft             | 650   |          | 16.74            | 0.10881             |
|       |  | 5th year Fencing repair                 | Rft             | 1500  |          | 16.74            | 0.25110             |
|       |  | <b>Total</b>                            |                 |       |          |                  | <b>4.88903</b>      |
| 16    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825  |          | 311              | 5.67575             |
| 17    | Overhead/Miscallenious charges   |   |                 |       | LS       |                  | 0.48890             |
|       | <b>G.Total</b>   |   |                 |       |          |                  | <b>11.05369</b>     |



| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 2.1911 ha with crown density 5% will be taken under Compensatory Afforestation Scheme in Co 46/Banihal in SC Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, Walnut etc.  |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

  
**RABHUBIR SINGH**  
 B/O S.C. BANIHAL

  
 R O S C  
 Banihal  
 S. C. Range Banihal

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban



## COMPENSATORY AFFORESTATION PLAN

|  |  |  |                |
|--|--|--|----------------|
| <b>Full title of the Forest land Diversion project</b>   | Sawalkot HE Project (1856 MW)                      |  |                |
| <b>File No:</b>  | FP/JK/HYD/150591/2021                              |  |                |
| <b>Date of Proposal:</b>   | 31-12-2021   |  |                |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       | Ramban Forest Division                             |  |                |
| <b>Forest area to be diverted:</b>   | 332.28   | Ha   |                |
| <b>Forest/NFA to be planted</b>  | NA   |  |                |
| <b>No. of trees to be felled</b>   | 79412  |  |                |
| <b>No. of poles/plants to be damaged</b>   | 192617   |  |                |
| <b>Total No. of plants to be planted</b>   | 664560   |  |                |
| <b>No. of plants to be planted in this Unit</b>  | 16019  |  |                |
| <b>Details of land where C.A. is to be carried out:</b>  |  |  |                |
| <b>Degraded forest land</b>  | Yes  | Area:  | <b>20.0199</b> |
| <b>Non-forest land</b>   | NA   | Area:  | <b>NA</b>      |
| <b>Forest Division</b>   | Ramban   |  |                |
| <b>Range :</b>   | SC Banihal   |  |                |
| <b>Compartment</b>   | 42/Banihal   |  |                |
| <b>Khasra No. (for non-forest land)</b>  | NA   |  |                |
| <b>CA site</b>   | Khundartop Lal Pathar/Krawa Chachal                |  |                |
| <b>CA site (Area)</b>  | 20.0199  |  |                |
| <b>C.A Site Geo Coordinates:</b>   |  |  |                |
| <b>(i) Starting point</b>  | Latitude:- 33°26'57.54"N Longitude:- 75° 9'32.12"E |  |                |
| <b>(ii) End Point</b>  | Latitude:- 33°26'42.32"N Longitude:- 75° 9'42.23"E |  |                |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |  | NA             |
| <b>a) Soil type:</b>   |  | Clayey to sandy loam   |                |
| <b>b) Topography: hilly/undulating/plain:</b>  |  | Hilly  |                |
| <b>c) Slope: Steep/medium/gentle:</b>  |  | Medium   |                |
| <b>d) For non-forest land - description of existing vegetation/root stock and density :</b>                              |  | NA   |                |
| <b>e) In case of degraded forest land- description of forest type and crown density:</b>                                 |  | 12/C1f-Low level blue Pine Forests and 0.20 crown density.(Reboisement Working Circle) |                |

| S.No. | Description  |   | Area<br>(in Ha) | Unit   | Quantity | Rate Per<br>Rft. | Amount<br>(in Lacs) |
|-------|--|---|-----------------|--------|----------|------------------|---------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 20.0199         | rft    | 6300     | 135              | 8.50500             |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara) and other broad leaved species   |   |                 | No.    | 4019     | 29.34            | 1.17917             |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, Apricot, Rubinea and other broad leaved species   |   |                 | No.    | 12000    | 23.17            | 2.78040             |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |                 | No.    | 1500     | 6.99             | 0.10485             |
| 5     | Dibbling in Patches of HC nuts and Walnut (45 x 45 x 15 Cms)   |   |                 | No.    | 1500     | 7.18             | 0.10770             |
| 6     | Sowing of grass slips in patches (Red Clover)  |   |                 | No.    | 500      | 6.35             | 0.03175             |
| 7     | Soil Conservation Works by means of DRSM   |   |                 | cum    | 50       | 1099             | 0.54950             |
| 8     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |                 | KM     | 2        | 45221            | 0.90442             |
| 9     | Construction of permanent fireline 10 mtr wide with standard specification.  |   |                 | Km     | 2        | 29250            | 0.58500             |
| 10    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |                 | No.    | 4019     | 8.03             | 0.32273             |
| 11    | Raising of Naked Root (Broad Leaved) Plants  |   |                 | No.    | 12000    | 7.44             | 0.89280             |
| 12    | 1st Year Maintenance of Polybaged sapplings  |   |                 | No.    | 4019     | 2.66             | 0.10691             |
| 13    | 2nd Year Maintenance of Polybaged sapplings  |   |                 | No.    | 4019     | 2.66             | 0.10691             |
| 14    | 3rd Year Maintenance of Polybaged sapplings  |   |                 | No.    | 4019     | 3.83             | 0.15393             |
| 15    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.             | 4004.8 | 25%      | 29.34            | 1.17499             |
|       |  | 3rd year maintenance of the plantation  | No.             | 1602   | 10%      | 29.34            | 0.47000             |
|       |  | 4th year maintenance of the plantation  | No.             | 801    | 5%       | 29.34            | 0.23500             |
|       |  | 5th year maintenance of the plantation  | No.             | 801    | 5%       | 29.34            | 0.23500             |
|       |  | 6th year maintenance of the plantation  | No.             | 801    | 5%       | 29.34            | 0.23500             |
|       |  | 7th year maintenance of the plantation  | No.             | 801    | 5%       | 29.34            | 0.23500             |
|       |  | 8th year maintenance of the plantation  | No.             | 801    | 5%       | 29.34            | 0.23500             |
|       |  | 9th year maintenance of the plantation  | No.             | 801    | 5%       | 29.34            | 0.23500             |
|       |  | 10th year maintenance of the plantation | No.             | 801    | 5%       | 29.34            | 0.23500             |
|       |  | 3rd year Fencing repair                 | Rft             | 2300   |          | 16.74            | 0.38502             |
|       |  | 5th year Fencing repair                 | Rft             | 4000   |          | 16.74            | 0.66960             |
|       |  | <b>Total</b>                            |                 |        |          |                  | <b>20.67566</b>     |
| 16    | Watch and Ward of clouser for 5 years.   |   | M.days          | 1825   |          | 311              | 5.67575             |
| 17    | Overhead/Miscallenious charges   |   |                 |        | LS       |                  | 2.06757             |
|       | <b>G.Total</b>   |   |                 |        |          |                  | <b>28.41898</b>     |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| a   | General details   | An area of 20.0199 ha with crown density 0.20 % will be taken under Compensatory Afforestation Scheme in Co 42/Banihal in SC Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs  |
| d   | Species proposed to be planted                                  | Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, Walnut etc.   |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| i   | Any other information   | Nil  |

  
**RABHUBIR SINGH**  
 B/O S.C. BANIHAL

  
**ROSC**  
 Range Officer  
 Banihal  
 S. C. Range Banihal

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

|  |   |  |         |
|--|---|--|---------|
| <b>COMPENSATORY AFFORESTATION PLAN</b>   |   |  |         |
| <b>Full title of the Forest land Diversion project</b>   | Sawalkot HE Project (1856 MW)                     |  |         |
| <b>File No:</b>  | FP/JK/HYD/150591/2021                             |  |         |
| <b>Date of Proposal:</b>   | 31-12-2021  |  |         |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>                                       | Ramban Forest Division                            |  |         |
| <b>Forest area to be diverted:</b>   | 332.28  | Ha   |         |
| <b>Forest/NFA to be planted</b>  | NA  |  |         |
| <b>No. of trees to be felled</b>   | 79412   |  |         |
| <b>No. of poles/plants to be damaged</b>   | 192617  |  |         |
| <b>Total No. of plants to be planted</b>   | 664560  |  |         |
| <b>No. of plants to be planted in this Unit</b>  | 22588   |  |         |
| <b>Details of land where C.A. is to be carried out:</b>  |   |  |         |
| <b>Degraded forest land</b>  | Yes   | Area:  | 25.0983 |
| <b>Non-forest land</b>   | NA  | Area:  | NA      |
| <b>Forest Division</b>   | Ramban  |  |         |
| <b>Range :</b>   | SC Banihal  |  |         |
| <b>Compartment</b>   | 17/Ramban   |  |         |
| <b>Khasra No. (for non-forest land)</b>  | NA  |  |         |
| <b>CA site</b>   | Sanaseri/Basin-I                                  |  |         |
| <b>CA site (Area)</b>  | 25.0983   |  |         |
| <b>C.A Site Geo Coordinates:</b>   |   |  |         |
| <b>(i) Starting point</b>  | Latitude:- 33°20'20.80"N Longitude:- 75°19'2.19"E |  |         |
| <b>(ii) End Point</b>  | Latitude:- 33°20'43.42"N Longitude:- 75°19'6.39"E |  |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |   |  | NA      |
| a) Soil type:  |   | Clayey to sandy loam   |         |
| b) Topography: hilly/undulating/plain:   |   | Hilly  |         |
| c) Slope: Steep/medium/gentle:   |   | Medium   |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     |   | NA   |         |
| e) In case of degraded forest land- description of forest type and crown density:  |   | 12/C1f-Low level blue Pine Forests and 0.20 crown density.(Mixed Conifer Selection Working Circle) |         |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 25.0983      | rft  | 6300     | 135           | 8.50500          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara)and other broad leaved species  |   |              | No.  | 5588     | 29.34         | 1.63952          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, Apricot, Rubinea and other broad leaved species   |   |              | No.  | 12000    | 23.17         | 2.78040          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |              | No.  | 2500     | 6.99          | 0.17475          |
| 5     | Dibbling in Patches of HC nuts and Walnut (45 x 45 x 15 Cms)   |   |              | No.  | 2500     | 7.18          | 0.17950          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM   | 2.5      | 45221         | 1.13053          |
| 7     | Soil Conservation Works by means of DRSM   |   |              | cum  | 40       | 1099          | 0.43960          |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 5588     | 8.03          | 0.44872          |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 12000    | 7.44          | 0.89280          |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 5588     | 2.66          | 0.14864          |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 5588     | 2.66          | 0.14864          |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 5588     | 3.83          | 0.21402          |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 4397 | 25%      | 29.34         | 1.29008          |
|       |  | 3rd year maintenance of the plantation  | No.          | 1759 | 10%      | 29.34         | 0.51603          |
|       |  | 4th year maintenance of the plantation  | No.          | 879  | 5%       | 29.34         | 0.25802          |
|       |  | 5th year maintenance of the plantation  | No.          | 879  | 5%       | 29.34         | 0.25802          |
|       |  | 6th year maintenance of the plantation  | No.          | 879  | 5%       | 29.34         | 0.25802          |
|       |  | 7th year maintenance of the plantation  | No.          | 879  | 5%       | 29.34         | 0.25802          |
|       |  | 8th year maintenance of the plantation  | No.          | 879  | 5%       | 29.34         | 0.25802          |
|       |  | 9th year maintenance of the plantation  | No.          | 879  | 5%       | 29.34         | 0.25802          |
|       |  | 10th year maintenance of the plantation | No.          | 879  | 5%       | 29.34         | 0.25802          |
|       |  | 3rd year Fencing repair                 | Rft          | 2300 |          | 16.74         | 0.38502          |
|       |  | 5th year Fencing repair                 | Rft          | 4000 |          | 16.74         | 0.66960          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>21.36896</b>  |
| 14    | Watch and Ward of clouser for 5 years.   |   | M.days       | 1825 |          | 311           | 5.67575          |
| 15    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 2.13690          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>29.18160</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 25.0983 ha with crown density 0.20 % will be taken under Compensatory Afforestation Scheme in Co 17/Ramban in SC Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, Walnut etc.  |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

**Block Officer  
SC Ramban**

Block Officer  
Forest Division

R O SC

Banihal

S. C. Range Banihal

Divisional Forest Officer

Ramban Forest Division

Divisional Forest Officer  
Ramban Forest Division  
Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |       |         |
|--|--|-------|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)  |       |         |
| File No:   | FP/JK/HYD/150591/2021  |       |         |
| Date of Proposal:  | 31-12-2021   |       |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division   |       |         |
| Forest area to be diverted:  | 332.28   | Ha    |         |
| Forest/NFA to be planted   | NA   |       |         |
| No. of trees to be felled  | 79412  |       |         |
| No. of poles/plants to be damaged  | 192617   |       |         |
| Total No. of plants to be planted  | 664560   |       |         |
| No. of plants to be planted in this Unit   | 17490  |       |         |
| Details of land where C.A. is to be carried out:   |  |       |         |
| Degraded forest land   | Yes  | Area: | 24.9896 |
| Non-forest land  | NA   | Area: | NA      |
| Forest Division  | Ramban   |       |         |
| Range :  | SC Banihal   |       |         |
| Compartment  | 17/Ramban  |       |         |
| Khasra No. (for non-forest land)   | NA   |       |         |
| CA site  | Sanaseri/Basin-II  |       |         |
| CA site (Area)   | 24.9896  |       |         |
| C.A Site Geo Coordinates:  |  |       |         |
| (i) Starting point   | Latitude:- 33°20'24.41"N Longitude:- 75°19'19.07"E   |       |         |
| (ii) End Point   | Latitude:- 33°20'38.51"N Longitude:- 75°19'29.47"E   |       |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |       | NA      |
| a) Soil type:  | Clayey to sandy loam   |       |         |
| b) Topography: hilly/undulating/plain:   | Hilly  |       |         |
| c) Slope: Steep/medium/gentle:   | Medium   |       |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA   |       |         |
| e) In case of degraded forest land- description of forest type and crown density:  | 12/C1f-Low level blue Pine Forests and 0.30 crown density.(Mixed Conifer Selection Working Circle) |       |         |



| S.No. | Description  |   | Area (in Ha) | Unit   | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|--------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 24.9896      | rft    | 6400     | 135           | 8.64000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Kail (Pinus Wallichiana), Deodar (Cedrus deodara)and other broad leaved species  |   |              | No.    | 5490     | 29.34         | 1.61077          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Apple, Apricot, Rubinea and other broad leaved species   |   |              | No.    | 12000    | 23.17         | 2.78040          |
| 4     | Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)   |   |              | No.    | 2500     | 6.99          | 0.17475          |
| 5     | Dibbling in Patches of HC nuts and Walnut (45 x 45 x 15 Cms)   |   |              | No.    | 2500     | 7.18          | 0.17950          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM     | 2.4      | 45221         | 1.08530          |
| 7     | Soil Conservation Works by means of DRSM   |   |              | cum    | 40       | 1099          | 0.43960          |
| 8     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.    | 5490     | 8.03          | 0.44085          |
| 9     | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.    | 12000    | 7.44          | 0.89280          |
| 10    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.    | 5490     | 2.66          | 0.14603          |
| 11    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.    | 5490     | 2.66          | 0.14603          |
| 12    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.    | 5490     | 3.83          | 0.21027          |
| 13    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 4372.5 | 25%      | 29.34         | 1.28289          |
|       |  | 3rd year maintenance of the plantation  | No.          | 1749   | 10%      | 29.34         | 0.51316          |
|       |  | 4th year maintenance of the plantation  | No.          | 875    | 5%       | 29.34         | 0.25658          |
|       |  | 5th year maintenance of the plantation  | No.          | 875    | 5%       | 29.34         | 0.25658          |
|       |  | 6th year maintenance of the plantation  | No.          | 875    | 5%       | 29.34         | 0.25658          |
|       |  | 7th year maintenance of the plantation  | No.          | 875    | 5%       | 29.34         | 0.25658          |
|       |  | 8th year maintenance of the plantation  | No.          | 875    | 5%       | 29.34         | 0.25658          |
|       |  | 9th year maintenance of the plantation  | No.          | 875    | 5%       | 29.34         | 0.25658          |
|       |  | 10th year maintenance of the plantation | No.          | 875    | 5%       | 29.34         | 0.25658          |
|       |  | 3rd year Fencing repair                 | Rft          | 2400   |          | 16.74         | 0.40176          |
|       |  | 5th year Fencing repair                 | Rft          | 4000   |          | 16.74         | 0.66960          |
|       |  | <b>Total</b>                            |              |        |          |               | <b>21.40976</b>  |
| 14    | Watch and Ward of clouser for 5 years.   |   | M.days       | 1825   |          | 311           | 5.67575          |
| 15    | Overhead/Miscallenious charges   |   |              |        | LS       |               | 2.14098          |
|       | <b>G.Total</b>   |   |              |        |          |               | <b>29.22648</b>  |



| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 24.9896 ha with crown density 0.30 % will be taken under Compensatory Afforestation Scheme in Co 17/Ramban in SC Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Deodar (Cedrus deodara), Kail (Pinus Wallichiana), Ulmus, Apple, Apricot, Rubinea, Patch sowing of Kail and Deodar seeds, dibbling of HC nuts, Walnut etc.  |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masnory.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

  
**Block Officer**  
**SC Ramban**  
 Block Officer  
 Forest Division  
 Ramban

  
**R O SC**  
**Banihal**  
 Range Officer  
 S. C. Range Banihal

  
**Divisional Forest Officer**  
**Ramban**  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

| COMPENSATORY AFFORESTATION PLAN  |  |       |         |
|--|--|-------|---------|
| Full title of the Forest land Diversion project  | Sawalkot HE Project (1856 MW)  |       |         |
| File No:   | FP/JK/HYD/150591/2021  |       |         |
| Date of Proposal:  | 31-12-2021   |       |         |
| Name of the Forest Division (where forest land is proposed to be diverted):  | Ramban Forest Division   |       |         |
| Forest area to be diverted:  | 332.28   | Ha    |         |
| Forest/NFA to be planted   | NA   |       |         |
| No. of trees to be felled  | 79412  |       |         |
| No. of poles/plants to be damaged  | 192617   |       |         |
| Total No. of plants to be planted  | 664560   |       |         |
| No. of plants to be planted in this Unit   | 7000   |       |         |
| Details of land where C.A. is to be carried out:   |  |       |         |
| Degraded forest land   | Yes  | Area: | 10.0215 |
| Non-forest land  | NA   | Area: | NA      |
| Forest Division  | Ramban   |       |         |
| Range :  | SC Banihal   |       |         |
| Compartment  | 46/Ramban  |       |         |
| Khasra No. (for non-forest land)   | NA   |       |         |
| CA site  | Neera/Neera  |       |         |
| CA site (Area)   | 10.0215  |       |         |
| C.A Site Geo Coordinates:  |  |       |         |
| (i) Starting point   | Latitude:- 33°13'57.46"N Longitude:- 75°16'11.98"E   |       |         |
| (ii) End Point   | Latitude:- 33°14'15.13"N Longitude:- 75°16'15.76"E   |       |         |
| In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary : |  |       | NA      |
| a) Soil type:  | Clayey to sandy loam   |       |         |
| b) Topography: hilly/undulating/plain:   | Hilly  |       |         |
| c) Slope: Steep/medium/gentle:   | Medium   |       |         |
| d) For non-forest land - description of existing vegetation/root stock and density :                                     | NA   |       |         |
| e) In case of degraded forest land- description of forest type and crown density:  | 9/C1b Upper or Himalayan Chir Pine Forests and 0.10 crown density.(Reboisement Working Circle) |       |         |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 10.0215      | rft  | 5553     | 135           | 7.49655          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species   |   |              | No.  | 4500     | 29.34         | 1.32030          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana, and other broad leaved species   |   |              | No.  | 3000     | 23.17         | 0.69510          |
| 4     | Sowing in Patches Chir, Makhan seeds (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 6.99          | 0.06990          |
| 5     | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 7.18          | 0.07180          |
| 6     | Sowing of grass slips in patches (red clover etc)  |   |              | No.  | 500      | 6.35          | 0.03175          |
| 7     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM   | 1        | 45221         | 0.45221          |
| 8     | Soil Conservation Works by means of DRSM   |   |              | cum  | 50       | 1099          | 0.54950          |
| 9     | Construction of permanent fire line 10 mtr in width with standard specification.   |   |              | KM   | 0.5      | 29250         | 0.14625          |
| 10    | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 4500     | 8.03          | 0.36135          |
| 11    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 3000     | 7.44          | 0.22320          |
| 12    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 4500     | 2.66          | 0.11970          |
| 13    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 4500     | 2.66          | 0.11970          |
| 14    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 4500     | 3.83          | 0.17235          |
| 15    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 1875 | 25%      | 29.34         | 0.55013          |
|       |  | 3rd year maintenance of the plantation  | No.          | 750  | 10%      | 29.34         | 0.22005          |
|       |  | 4th year maintenance of the plantation  | No.          | 375  | 5%       | 29.34         | 0.11003          |
|       |  | 5th year maintenance of the plantation  | No.          | 375  | 5%       | 29.34         | 0.11003          |
|       |  | 6th year maintenance of the plantation  | No.          | 375  | 5%       | 29.34         | 0.11003          |
|       |  | 7th year maintenance of the plantation  | No.          | 375  | 5%       | 29.34         | 0.11003          |
|       |  | 8th year maintenance of the plantation  | No.          | 375  | 5%       | 29.34         | 0.11003          |
|       |  | 9th year maintenance of the plantation  | No.          | 375  | 5%       | 29.34         | 0.11003          |
|       |  | 10th year maintenance of the plantation | No.          | 375  | 5%       | 29.34         | 0.11003          |
|       |  | 3rd year Fencing repair                 | Rft          | 1700 |          | 16.74         | 0.28458          |
|       |  | 5th year Fencing repair                 | Rft          | 3400 |          | 16.74         | 0.56916          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>14.22375</b>  |
| 16    | Watch and Ward of clouser for 5 years.   |   | M.days       | 1825 |          | 311           | 5.67575          |
| 17    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 1.42238          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>21.32188</b>  |

| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |   |
|---|---|---|
| a   | General details   | An area of 10.0215 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 46/Ramban in SC Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.   |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs   |
| d   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Chir, Makhani, dibbling of Chir, Santha and Melia azarachtica (Dhreenkh) etc.  |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection   |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.  |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc  |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.   |
| i   | Any other information   | Nil   |

  
**Block Officer**  
**SC Ramban**  
 Block Officer  
 Forest Division

  
**R O SC**  
**Banihal**  
 Range Officer  
 S. C. Range Banihal

  
**Divisional Forest Officer**  
**Ramban Forest Division**  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban

## COMPENSATORY AFFORESTATION PLAN

|   |  |  |               |
|---|--|--|---------------|
| <b>Full title of the Forest land Diversion project</b>  | Sawalkot HE Project (1856 MW)                      |  |               |
| <b>File No:</b>   | FP/JK/HYD/150591/2021                              |  |               |
| <b>Date of Proposal:</b>  | 31-12-2021   |  |               |
| <b>Name of the Forest Division (where forest land is proposed to be diverted):</b>  | Ramban Forest Division                             |  |               |
| <b>Forest area to be diverted:</b>  | 332.28   | Ha   |               |
| <b>Forest/NFA to be planted</b>   | NA   |  |               |
| <b>No. of trees to be felled</b>  | 79412  |  |               |
| <b>No. of poles/plants to be damaged</b>  | 192617   |  |               |
| <b>Total No. of plants to be planted</b>  | 664560   |  |               |
| <b>No. of plants to be planted in this Unit</b>   | 4000   |  |               |
| <b>Details of land where C.A. is to be carried out:</b>   |  |  |               |
| <b>Degraded forest land</b>   | Yes  | Area:  | <b>6.0188</b> |
| <b>Non-forest land</b>  | NA   | Area:  | <b>NA</b>     |
| <b>Forest Division</b>  | Ramban   |  |               |
| <b>Range :</b>  | SC Banihal   |  |               |
| <b>Compartment</b>  | 39/Ramban  |  |               |
| <b>Khasra No. (for non-forest land)</b>   | NA   |  |               |
| <b>CA site</b>  | <b>Digdole/Digdole-II</b>                          |  |               |
| <b>CA site (Area)</b>   | 6.019  |  |               |
| <b>C.A Site Geo Coordinates:</b>  |  |  |               |
| <b>(i) Starting point</b>   | Latitude:- 33°17'33.78"N Longitude:- 75°10'48.25"E |  |               |
| <b>(ii) End Point</b>   | Latitude:- 33°17'14.52"N Longitude:- 75°10'53.10"E |  |               |
| <b>In case of non-forest area identified for CA, then what is the distance of C.A site from the adjoining forest boundary :</b> |  |  | NA            |
| <b>a) Soil type:</b>  |  | Clayey to sandy loam   |               |
| <b>b) Topography: hilly/undulating/plain:</b>   |  | Hilly  |               |
| <b>c) Slope: Steep/medium/gentle:</b>   |  | Medium   |               |
| <b>d) For non-forest land - description of existing vegetation/root stock and density :</b>                                     |  | NA   |               |
| <b>e) In case of degraded forest land- description of forest type and crown density:</b>  |  | 9/C1b Upper or Himalayan Chir Pine Forests and 0.10 crown density.(Reboisement Working Circle) |               |

| S.No. | Description  |   | Area (in Ha) | Unit | Quantity | Rate Per Rft. | Amount (in Lacs) |
|-------|--|---|--------------|------|----------|---------------|------------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. At least every 8th fence post along the straight fence line and every fence posts at the corner be fixed in the cement concrete block of size 1'6"x1'x1'. |   | 6.0188       | rft  | 5200     | 135           | 7.02000          |
| 2     | Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species   |   |              | No.  | 2000     | 29.34         | 0.58680          |
| 3     | Planting of Naked Root plants in pits (45 x 45 x 45 Cms) of species local species like Ulmus, Anardana, and other broad leaved species   |   |              | No.  | 2000     | 23.17         | 0.46340          |
| 4     | Sowing in Patches Chir, Makhan seeds (45 x 45 x 15 Cms)  |   |              | No.  | 700      | 6.99          | 0.04893          |
| 5     | Dibbling in Patches of Chir, Santha and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)  |   |              | No.  | 1000     | 7.18          | 0.07180          |
| 6     | Construction of inspection Path 1.5 meter wide with standard specification.  |   |              | KM   | 1        | 45221         | 0.45221          |
| 7     | Soil Conservation Works by means of DRSM   |   |              | cum  | 50       | 1099          | 0.54950          |
| 8     | Construction of permanent fire line 10 mtr in width with standard specification.   |   |              | KM   | 0.6      | 29250         | 0.17550          |
| 9     | Raising of polybaged conifer saplings in polythene bags of size (9"x6") conforming to product code No. PB-60/90 with artificial source of irrigation.  |   |              | No.  | 2000     | 8.03          | 0.16060          |
| 10    | Raising of Naked Root (Broad Leaved) Plants  |   |              | No.  | 2000     | 7.44          | 0.14880          |
| 11    | 1st Year Maintenance of Polybaged sapplings  |   |              | No.  | 2000     | 2.66          | 0.05320          |
| 12    | 2nd Year Maintenance of Polybaged sapplings  |   |              | No.  | 2000     | 2.66          | 0.05320          |
| 13    | 3rd Year Maintenance of Polybaged sapplings  |   |              | No.  | 2000     | 3.83          | 0.07660          |
| 14    | Maintenance of the closure for 10 years  | 2nd year maintenance of the plantation  | No.          | 1000 | 25%      | 29.34         | 0.29340          |
|       |  | 3rd year maintenance of the plantation  | No.          | 400  | 10%      | 29.34         | 0.11736          |
|       |  | 4th year maintenance of the plantation  | No.          | 200  | 5%       | 29.34         | 0.05868          |
|       |  | 5th year maintenance of the plantation  | No.          | 200  | 5%       | 29.34         | 0.05868          |
|       |  | 6th year maintenance of the plantation  | No.          | 200  | 5%       | 29.34         | 0.05868          |
|       |  | 7th year maintenance of the plantation  | No.          | 200  | 5%       | 29.34         | 0.05868          |
|       |  | 8th year maintenance of the plantation  | No.          | 200  | 5%       | 29.34         | 0.05868          |
|       |  | 9th year maintenance of the plantation  | No.          | 200  | 5%       | 29.34         | 0.05868          |
|       |  | 10th year maintenance of the plantation | No.          | 200  | 5%       | 29.34         | 0.05868          |
|       |  | 3rd year Fencing repair                 | Rft          | 1650 |          | 16.74         | 0.27621          |
|       |  | 5th year Fencing repair                 | Rft          | 3300 |          | 16.74         | 0.55242          |
|       |  | <b>Total</b>                            |              |      |          |               | <b>11.51069</b>  |
| 15    | Watch and Ward of clouser for 5 years.   |   | M.days       | 1825 |          | 311           | 5.67575          |
| 16    | Overhead/Miscallenious charges   |   |              |      | LS       |               | 1.15107          |
|       | <b>G.Total</b>   |   |              |      |          |               | <b>18.33751</b>  |



| III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:- |   |  |
|---|---|--|
| a   | General details   | An area of 6.0188 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 39/Ramban in SC Banihal Range in a single compact Block. The area will be fenced Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5 strands of GI Wire with criss cross conforming to the product code BA-BW. Every fence posts to be fixed in the cement concrete block of size 1'6"x1'x1'. The species like, Chir (Pinus roxburgii), Daman (Grevia optiva), Melia azarachtica (Dhreenkh) and other broad leaved species will be planted in the area |
| b   | Plantation method   | Nursery grown 2-3 years old plants will be planted in the pit of size 45 cm*45 cm*45 cm. The plantation will be maintained for 10 years in which Beating Up of casualities and repair of fencing will be done. The plantation will be rain fed.  |
| c   | Spacing   | 2.5 mtrs*2.5 mtrs  |
| d   | Species proposed to be planted                                  | Melia azarachtica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Patch sowing of Chir, Makhan, dibbling of Chir, Santha and Melia azarachtica (Dhreenkh) etc.  |
| e   | Silvicultural Operation   | The land is almost barren. It does not require any silviculture operation except protection  |
| f   | Soil and moisture conservation works                            | Minor Soil Conservation Works like Gully plugging will be done wherever required using dry rubble stone masonry.   |
| g   | Protection (Fencing , watch & ward, People's participation etc) | The area will be protected by Fencing, people participation, watch and ward by staff etc   |
| h   | Proposed Monitoring Mechanism                                   | As per the policy/guidelines issued by the Govt. The site will be regularly monitored by the DFO/Range Officers and other field staff as well as representative from GoI.  |
| i   | Any other information   | Nil  |

  
**Block Officer**  
**SC Ramban**  
 Block Officer  
 Forest Division

  
**R O SC**  
**Banihal**  
 Range Officer  
 S. C. Range Banihal

  
**Divisional Forest Officer**  
**Ramban**  
 Divisional Forest Officer  
 Ramban Forest Division

**ABSTRACT OF THE PROPOSALS FOR ESTABLISHMENT OF THE NURSERIES AND  
MOBILITY UNDER CA for SAWALKOTE HYDROELECTRIC PROJECT**

**A. NURSERY**

| <b>S. No.</b>      | <b>Name of proposed Nursery</b>  | <b>Area</b>  | <b>Amount</b>  |
|--------------------|--|--------------|----------------|
| 1                  | PROPOSAL FOR ESTABLISHMENT OF NURSERY AT ZABAN BANIHAL<br>Block SC RANGE BANIHAL COMPARTMENT 45/B (SC)   | 1.000        | 32.575         |
| 2                  | PROPOSAL FOR ESTABLISHMENT OF NURSERY AT TANJIWAR-I<br>BANIHAL Block SC RANGE BANIHAL COMPARTMENT 46/B SC  | 0.600        | 20.615         |
| 3                  | PROPOSAL FOR ESTABLISHMENT OF NURSERY AT TANJIWAR-II<br>BANIHAL Block SC RANGE BANIHAL COMPARTMENT 46/B SC   | 0.450        | 16.861         |
| 4                  | PROPOSAL FOR ESTABLISHMENT OF NURSERY AT KAWNA MOHU<br>BLOCK BANIHAL COMPARTMENT 39/BNL  | 0.951        | 71.517         |
| 5                  | PROPOSAL FOR ESTABLISHMENT OF NURSERY AT CHINGARA I and<br>II Sangaldan Block Gool Range Compartment   | 0.800        | 61.420         |
| 6                  | PROPOSAL FOR ESTABLISHMENT OF NURSERY AT JAWADNAGAR-I<br>GOOL Block Gool Range Compartment 28/Ar   | 0.480        | 38.720         |
| 7                  | PROPOSAL FOR ESTABLISHMENT OF NURSERY AT JAWADNAGAR-II<br>GOOL Block Gool Range Compartment 28/Ar  | 1.000        | 55.425         |
| <b>Sub-Total</b>   |  | <b>5.281</b> | <b>297.135</b> |
| <b>B</b>           | <b>MOBILITY</b>  |              |                |
| 1                  | Provision for mobility for lifting of planting material/Staff<br>movement /Patrolling within Ramban Division. Purchase pick up<br>Campher/Van one each Range Ramban/Banihal/Gool | 3 No.        | 30             |
| <b>GRAND TOTAL</b> |  |              | <b>327.135</b> |

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban



**Proposal for establishment of nursery in Co 39/Bnl at Kawna panchayat Trigam Lower A Block Mohu  
Forest Range Banihal of Ramban Forest Division**

| S.No | Item   | Unit | Rate            | Quantity | Amount        |
|------|--|------|-----------------|----------|---------------|
| 1    | Fencing using Chain Link fencing   | Rft  | As per estimate | 1381     | 30.3820       |
| 2    | Formation of Nursey for raising of Poly Bag Plants by way of levelling tractorization complete soil working upto a depth of 1'6" to 2' formation of beds raising of gunds, water,channels,paths and bed formation etc. | Ha   | 302544          | 0.9507   | 2.8763        |
| 3    | Provision for construction of the concrete water channels.   | No.  | As per estimate |          | 3.0000        |
| 4    | Provision for purchase of nursery tools and equipments.  | No.  | As per estimate |          | 1.5000        |
| 5    | Provision for fabricaton of net house.   | No.  | As per estimate |          | 3.0000        |
| 6    | Provision for purchase of Agroshed Net.  | No.  | As per estimate |          | 2.0000        |
| 7    | Provision for construction of water tank with GI pipes etc.  | No.  | As per estimate |          | 3.0000        |
| 8    | Provision for construction DRSM  | Cum  | 1099            | 251      | 2.7585        |
| 9    | Provision for construction of chowkidar/Mali Hut   |      | As per estimate |          | 10.0000       |
| 10   | Provision for installation of Nursery Main Gate  |      | As per estimate | 1        | 1.0000        |
| 11   | Provision for crate work/concrete wall along river side  |      | 20000           | 60       | 12.0000       |
|      | <b>Total</b>   |      |                 |          | <b>71.517</b> |

  
Block Officer, Mohu  
Block Forest Officer  
Block Banihal

  
Range Officer, Banihal  
Range Officer  
Forest Banihal

No. 244/Rb

Dated 09-08-2023


Submitted to worthy DFO Ramban for favor of kind information.

  
Range Officer, Banihal  
Range Officer  
Forest Banihal

  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

**PROPOSAL FOR ESTABLISHMENT OF NURSERY AT ZABAN BANIHAL Block  
SC RANGE BANIHAL COMPARTMENT 45/B (SC)**

| S.No. | Item  | Unit | Rate            | Quantity | Amount        |
|-------|---|------|-----------------|----------|---------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5-strands of GI wire with 2 criss-cross conforming to the product code GI-BW with every fence post fixed in the cement concrete block of size 1'6"x1'x1'. This type of fencing be preferred on sites which are likely to experience excessive heavy pressure of grazing by the domestic animals & prone to encroachment. | RFT  | As per estimate | 1700     | 2.55          |
| 2     | Formation of Nursery for raising by way of levelling tractorization complete soil working upto a depth of 1'6" to 2" formation of beds raising of gunds, water channels, paths and bed formation etc. (Gross Area =1 Ha)  | Ha   | 3.02544         | 1.00     | 3.02544       |
| 3     | Provision for construction of the concrete water channels   | No.  | As per estimate |          | 4.00          |
| 4     | Provision for purchase of Nursery tools and equipments  | No.  | As per estimate |          | 2.00          |
| 5     | Provision for fabrication of Net House  | No.  | As per estimate |          | 3.00          |
| 6     | Provision for purchase of Agroshed Net  | No.  | As per estimate |          | 2.00          |
| 7     | Provision for construction of water tank with GI/PVC pipes  | No.  | As per estimate |          | 4.00          |
| 8     | Construction of Chowkidar/Mali Hut  | No.  | As per estimate |          | 10.00         |
| 9     | Construction of approach road upto Nursery  | Km   | As per estimate | 0.40     | 2.00          |
|       | <b>Total</b>  |      |                 |          | <b>32.575</b> |

  
Block Officer  
Forest Block SC Banihal

  
Range Officer  
Forest Range SC Banihal

No. 79 /SC

Dated :- 06 /07/2023

Copy submitted to the Divisional Forest Officer, Ramban for favour of information and n/action.

c/s  
  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

**PROPOSAL FOR ESTABLISHMENT OF NURSERY AT TANJIWAR-I  
BANIHAL Block SC RANGE BANIHAL COMPARTMENT 46/B (SC)**

| S.No. | Item  | Unit | Rate            | Quantity | Amount        |
|-------|---|------|-----------------|----------|---------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5-strands of GI wire with 2 criss-cross conforming to the product code GI-BW with every fence post fixed in the cement concrete block of size 1'6"x1'x1'. This type of fencing be preferred on sites which are likely to experience excessive heavy pressure of grazing by the domestic animals & prone to encroachment. | RFT  | As per estimate | 1200     | 1.80          |
| 2     | Formation of Nursery for raising by way of levelling tractorization complete soil working upto a depth of 1'6" to 2" formation of beds raising of gunds, water channels, paths and bed formation etc. (Gross Area =1 Ha)  | Ha   | 3.02544         | 0.60     | 1.81526       |
| 3     | Provision for construction of the concrete water channels   | No.  | As per estimate |          | 5.00          |
| 4     | Provision for purchase of Nursery tools and equipments  | No.  | As per estimate |          | 1.00          |
| 5     | Provision for fabrication of Net House  | No.  | As per estimate |          | 5.00          |
| 6     | Provision for purchase of Agroshed Net  | No.  | As per estimate |          | 2.00          |
| 7     | Provision for construction of water tank with GI pipes  | No.  | As per estimate |          | 4.00          |
|       | <b>Total</b>  |      |                 |          | <b>20.615</b> |

  
Block Officer  
Forest Block SC Banihal

  
Range Officer  
Forest Range SC Banihal

No. 80 /SC

Dated :- 06 /07/2023

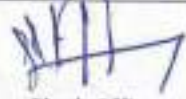
Copy submitted to the Divisional Forest Officer, Ramban for favour of information and n/action.

c/s  
  
Divisional Forest Officer  
Forest Division



**PROPOSAL FOR ESTABLISHMENT OF NURSERY AT TANJIWAR-II  
BANIHAL Block SC RANGE BANIHAL COMPARTMENT 46/B (SC)**

| S.No. | Item  | Unit | Rate            | Quantity | Amount        |
|-------|---|------|-----------------|----------|---------------|
| 1     | Using Square PCC Fence Posts :- Using Square PCC Fence Posts conforming to product code PCFP-4 at spacing of 10 feet and 5-strands of GI wire with 2 criss-cross conforming to the product code GI-BW with every fence post fixed in the cement concrete block of size 1'6"x1'x1'. This type of fencing be preferred on sites which are likely to experience excessive heavy pressure of grazing by the domestic animals & prone to encroachment. | RFT  | As per estimate | 1000     | 1.5           |
| 2     | Formation of Nursery for raising by way of levelling tractorization complete soil working upto a depth of 1'6" to 2" formation of beds raising of gunds, water channels, paths and bed formation etc. (Gross Area =1 Ha)  | Ha   | 3.02544         | 0.45     | 1.36145       |
| 3     | Provision for construction of the concrete water channels   | No.  | As per estimate |          | 2.00          |
| 4     | Provision for purchase of Nursery tools and equipments  | No.  | As per estimate |          | 1.00          |
| 5     | Provision for fabrication of Net House  | No.  | As per estimate |          | 2.00          |
| 6     | Provision for purchase of Agroshed Net  | No.  | As per estimate |          | 1.00          |
| 7     | Provision for construction of water tank with GI pipes  | No.  | As per estimate |          | 4.00          |
| 8     | Provisions for repair of already existing construction of Chowkidar/Mali Hut  | No.  | As per estimate |          | 4.00          |
|       | <b>Total</b>  |      |                 |          | <b>16.861</b> |

  
Block Officer  
Forest Block SC Banihal

  
Range Officer  
Forest Range SC Banihal

No. 81 /SC

Dated -> 06 /07/2023

Copy submitted to the Divisional Forest Officer, Ramban for favour of information and n/action.

c/s  
  
Divisional Forest Officer  
Ramban Forest Division  
Ramban

**PROPOSAL FOR ESTABLISHMENT OF NURSERY AT CHINGARA I and II Sangaldan Block Gool Range**

| S.No. | Item   | Unit | Rate            | Quantity | Amount        |
|-------|--|------|-----------------|----------|---------------|
| 1     | Fencing Using Chain Link Fencing   | RPT  | As per estimate | 1500     | 33,000        |
| 2     | Formation of Nursery for raising of Naked Root Plants by way of levelling tractorization complete soil working upto a depth of 1'6" to 2" formation of beds raising of gunds, water channels, paths and bed formation etc. (Gross Area = 1 Ha) | Ha   | 3,02544         | 0.8      | 2.42          |
| 3     | Provision for construction of the concrete water channels  | No.  | As per estimate |          | 2.00          |
| 4     | Provision for purchase of Nursery tools and equipments   | No.  | As per estimate |          | 2.00          |
| 5     | Provision for fabrication of Net House   | No.  | As per estimate |          | 6.00          |
| 6     | Provision for purchase of Agroshaded Net   | No.  | As per estimate |          | 2.00          |
| 7     | Provision for construction of water tank with GI pipes   | No.  | As per estimate |          | 6.00          |
| 8     | Provisions for construction of Chowkidar/Mali Hut  |      |                 |          | 12.00         |
|       | <b>Total</b>   |      |                 |          | <b>65,420</b> |

**No:- 254/GR Dated:-06-07-2023**

Hence, submitted to the Divisional Forest Officer Ramban for information and necessary action please.

*C/S*  
  
**Divisional Forest Officer**  
**Ramban Forest Division**  
**Ramban**

*1*  
  
**Range Forest Officer**  
**Gool Range**  
**Gool**

**PROPOSAL FOR ESTABLISHMENT OF NURSERY AT JAWADNAGAR-I GOOL Block Gool Range Compartment**

28/Ac

| S.No. | Item   | Unit | Rate            | Quantity | Amount        |
|-------|--|------|-----------------|----------|---------------|
| 1     | Fencing Using Chain Link Fencing   | RFT  | As per estimate | 900      | 19,800        |
| 2     | Formation of Nursery for raising of Naked Root Plants by way of levelling tractorization complete soil working upto a depth of 1'6" to 2" formation of beds raising of gunds, water channels, paths and bed formation etc. (Gross Area = 1 Ha) | Ha   | 3,02544         | 0.48     | 2.42          |
| 3     | Provision for construction of the concrete water channels  | No.  | As per estimate |          | 2.00          |
| 4     | Provision for purchase of Nursery tools and equipments   | No.  | As per estimate |          | 1.00          |
| 5     | Provision for construction of water tank with GI/PVC pipes   | No.  | As per estimate |          | 6.00          |
| 6     | Provisions for construction of Nursery Shed  |      |                 |          | 2.00          |
|       | <b>Total</b>   |      |                 |          | <b>33,220</b> |

No:- 255/GR Dated:-06-07-2023

Hence, submitted to the Divisional Forest Officer Ramban for information and necessary action please.

  
 Range Forest Officer  
 Gool Range  
 Gool

4/5

  
 Divisional Forest Officer  
 Ramban Forest Division  
 Ramban



**PROPOSAL FOR ESTABLISHMENT OF NURSERY AT JAWADNAGAR-II GOOL Block Gool Range Compartment**  
28/Ar

| S.No. | Item  | Unit | Rate            | Quantity | Amount        |
|-------|---|------|-----------------|----------|---------------|
| 1     | Fencing Using Chain Link Fencing  | RFT  | As per estimate | 1700     | 37,400        |
| 2     | Formation of Nursery for raising of Nalced Root Plants by way of levelling tractorization complete soil working upto a depth of 1'6" to 2" formation of beds raising of gunds, water channels, paths and bed formation etc. (Gross Area = 1 Ha) | Ha   | 3,02544         | 1        | 3,02544       |
| 3     | Provision for construction of the concrete water channels   | No.  | As per estimate |          | 4.00          |
| 4     | Provision for purchase of Nursery tools and equipments  | No.  | As per estimate |          | 2.00          |
| 5     | Provision for construction of water tank with GI/PVC pipes  | No.  | As per estimate |          | 2.00          |
| 6     | Provisions for construction of Chowkidar/Mali Hut   |      |                 |          | 12.00         |
|       | <b>Total</b>  |      |                 |          | <b>60,425</b> |

No:- 256/GR Dated:-06-07-2023

Hence, submitted to the Divisional Forest Officer, Ramban for information and necessary action please.

  
Range Forest Officer  
Gool Range  
Gool

C/S

  
Divisional Forest Officer  
Ramban Forest Division

**JUSTIFICATION FOR PURCHASE OF VEHICLE**

A total of 61 closures/Units has been proposed under the Compensatory Afforestation Plan in lieu of the Forest land diverted for Sawalkote Hydroelectric Project (SHEP) in Ramban Forest Division. The units have been proposed in different and far flung areas of the Ramban Forest Division falling in Ramban, Banihal and Gool Range. Further existing Nurseries are located in Different parts of the Division. The 07 No.s of Nurseries which have been proposed under the CA plan also fall in different Ranges. In order to make the proposed units successful, regular monitoring, watch and ward, patrolling, firefighting operations, transportation of the planting stock from Nurseries to the proposed units etc are required and for successful execution of these operations, mobility of the staff and resources is required. Ramban Division is at present not having any vehicle for the purpose. Hence 01 No. of vehicle has been proposed under the CA plan.



Divisional Forest Officer  
Ramban Forest Division  
Ramban