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**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/ 6004-23

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

Ad:- 02-09-2023

Copy to DFO Ramban for info & a/c

✓ G. Senthil Kumar
HC



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

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

**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,

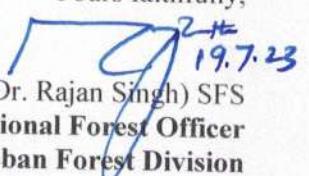
In continuation to this office No. RFD/FCA/SHP/2023-34/3234-39 Dated: 11/07/2023, kindly find enclosed herewith the Compensatory Afforestation Plans (CA) on double degraded Forest land in lieu of forest land diverted for **Sawalkote Hydroelectric Project (SHEP) Proposal No. FP/JK/HYD/150591/2021** in 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 Annexure-A
2	Proposal for establishment of New Nurseries (7 No.)	4.69 ha	288.634	Details enclosed as Annexure-B
3	Provision for purchase of Vehicle for watering of plants, firefighting operations, transportation of plants etc.	01 No.	15.00	Justification enclosed as Annexure-C
Total			1785.96573	Lacs

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,

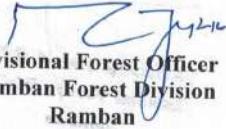

19.7.23
(Dr. Rajan Singh) SFS
Divisional Forest Officer
Ramban Forest Division
Ramban

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, Gadhullah/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, Gulle	5.0694	0.05	0.25	4.82	4800	2000	1850	500	500	-	80	-	0.5	-	-	17.49753
34	Ramban	Ramban	40/R, Phaglla/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 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 (Kundil)/Chakka A 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, 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 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 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 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 Banihal	SC Banihal	42/B, Khundartop Lal Pathar/Krawa Chachal	20.0199	0.20	4.00	16.02	6300	4019	12000	1500	1500	500	50	2	2	-	-	28.41898
58	SC 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 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 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 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
Total				772.14	7.9	107.3073	665	339464	253496	294499	90131	84926	16000	5025	18.1	75	23	76	1482.33173


 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 (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'.	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 polybagged 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 Polybagged saplings		No.	2400	2.66	0.06384	
10	2nd Year Maintenance of Polybagged saplings		No.	2400	2.66	0.06384	
11	3rd Year Maintenance of Polybagged saplings		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
		Total					11.73978
13	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
14	Overhead/Miscallenious charges				LS	1.17398	
	G.Total					18.58951	

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-	
a	General details
	An area of 7.0327 ha with crown density 0.10 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 casualitites and repair of fencing will be done. The plantation will be rain fed.
c	Spacing
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
M. A. BHAT.
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

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			
15000			
Details of land where C.A. is to be carried out:			
Degraded forest land			
Yes Area: 20.0371			
Non-forest land			
NA Area: NA			
Forest Division			
Ramban			
Range :			
Banihal			
Compartment			
47/Banihal			
Khasra No. (for non-forest land)			
NA			
CA site			
Chanjalo /Chanjloo			
CA site (Area)			
20.0371			
C.A Site Geo Coordinates:			
(i) Starting point Latitude:- 33°27'22.70"N Longitude:- 75°13'2.89"E			
(ii) End Point Latitude:- 33°27'26.91"N Longitude:- 75°13'23.45"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 5% 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'.	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 polybagged 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 Polybagged saplings		No.	9000	2.66	0.23940	
13	2nd Year Maintenance of Polybagged saplings		No.	9000	2.66	0.23940	
14	3rd Year Maintenance of Polybagged saplings		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		211	67575
17	Overhead/Miscallenious charges			LS	26229	
	G.Total					30.56092

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

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 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

Ambedkar
B. A. Block Officer (F.C.)
Block Officer
...
Banihal

ASR
Range Officer, Banihal
Range Officer
Forest Banihal

GP
Divisional Forest Officer
Ramban Forest Division
Divisional Forest Officer
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	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 (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'.	10.03	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 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 saplings		No.	4000	2.66	0.10640	
12	2nd Year Maintenance of Polybagged saplings		No.	4000	2.66	0.10640	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					16.27458
15	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
16	Overhead/Miscallenious charges				LS	1.62746	
	G.Total					23.57779	

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 (Robinia 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 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. Bhatwarkar (F.C.)
Block Range Officer
...Ladakh...


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 0.10 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'.	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 polybagged 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 Polybagged saplings		No.	5200	2.66	0.13832	
11	2nd Year Maintenance of Polybagged saplings		No.	5200	2.66	0.13832	
12	3rd Year Maintenance of Polybagged saplings		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
		Total				22.73650	
14	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
15	Overhead/Miscallenious charges				LS	2.27365	

		G.Total					30.68590
	III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-						
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 casualties 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 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	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 (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'.	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 polybagged 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 Polybagged saplings		No.	4584	2.66	0.12193	
11	2nd Year Maintenance of Polybagged saplings		No.	4584	2.66	0.12193	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					17.43664
14	Watch and Ward of clouser for 5 years.	M.days	1825		311		5.67575
15	Overhead/Miscallenious charges				LS		1.74366

G.Total		24.85605
III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
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 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 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 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 polybagged 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 Polybagged saplings		No.	4570	2.66	0.12156	
12	2nd Year Maintenance of Polybagged saplings		No.	4570	2.66	0.12156	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					17.66949

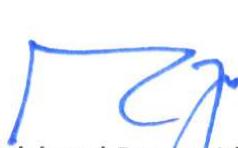
15	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575
16	Overhead/Miscallenious charges			LS		1.76695
	G.Total				25.11219	

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

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" x 1' x 1'. 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 casualties 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 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 (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'.	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 polybagged 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 Polybagged saplings		No.	3500	2.66	0.09310	
11	2nd Year Maintenance of Polybagged saplings		No.	3500	2.66	0.09310	
12	3rd Year Maintenance of Polybagged saplings		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
		Total				14.03834	
14	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
15	Overhead/Miscallenious charges				LS	1.40383	

G.Total		21.11792
III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 9.9961 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 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 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
Divisional Forest Officer
 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 (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'.	6.10	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 polybagged 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 Polybagged saplings		No.	3000	2.66	0.07980	
11	2nd Year Maintenance of Polybagged saplings		No.	3000	2.66	0.07980	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					11.52648
14	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
15	Overhead/Miscallenious charges				LS	1.15265	

G.Total		18.35487
III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
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 casualties 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 Forest Division
 Ramban

COMPENSATORY AFFORESTATION PLAN

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:	7.0357
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	Banihal		
Compartment	37a/Banihal		
Khasra No. (for non-forest land)	NA		
CA site	Mangit/Mangit		
CA site (Area)	7.0357		
C.A Site Geo Coordinates:			
(i) Starting point	Latitude:- 33°26'56.29"N Longitude:- 75° 7'29.87"E		
(ii) End Point	Latitude:- 33°26'42.10"N Longitude:- 75° 7'38.35"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/C1d-Western Mixed Coniferous Forests and 0.15 crown density.(Fir 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'.	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 polybagged 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 Polybagged saplings		No.	3000	2.66	0.07980	
12	2nd Year Maintenance of Polybagged saplings		No.	3000	2.66	0.07980	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					15.78450

15	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575
16	Overhead/Miscallenious charges			LS		1.57845
	G.Total					23.03870

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

a	General details	An area of 7.0357 ha with crown density 15% will be taken under Compensatory Afforestation Scheme in Co 37a/Banhal in Banhal 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 casualties 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 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	19042		

Details of land where C.A. is to be carried out:

Degraded forest land	Yes	Area:	24.9851
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	Banihal		
Compartment	9b/B		
Khasra No. (for non-forest land)	NA		
CA site	Gadnallah/Shagan		
CA site (Area)	24.9851		

C.A Site Geo Coordinates:

(i) Starting point	Latitude:- 33°22'2.33"N Longitude:- 75° 9'15.48"E
(ii) End Point	Latitude:- 33°21'48.99"N Longitude:- 75° 8'50.22"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)		

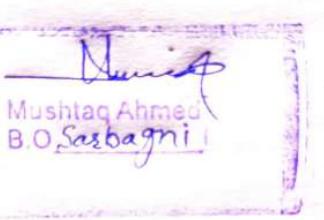
S.No.	Description	Area (in Ha)	Unit	Quantity	Rate Per Rft.	Amount (in Lacs)

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'.	24.9851	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 polybagged 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 Polybagged saplings		No.	10042	2.66	0.26712	
13	2nd Year Maintenance of Polybagged saplings		No.	10042	2.66	0.26712	
14	3rd Year Maintenance of Polybagged saplings		No.	10042	3.83	0.38461	
15	Maintenance of the closure for 10 years	2nd year maintenance of the plantation 3rd year maintenance of the plantation 4th year maintenance of the plantation 5th year maintenance of the plantation 6th year maintenance of the plantation 7th year maintenance of the plantation 8th year maintenance of the plantation	No. No. No. No. No. No. No.	4760.5 1904 952 952 952 952 952	25% 10% 5% 5% 5% 5% 5%	29.34 29.34 29.34 29.34 29.34 29.34 29.34	1.39673 0.55869 0.27935 0.27935 0.27935 0.27935 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
	Total					30.16197
16	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575
17	Overhead/Miscallenious charges			LS		3.01620
	G.Total					38.85392

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

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 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 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 Ahmed
B.O. Sarbagni


Range Officer Banihal
Range Officer
Forest Banihal


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

COMPENSATORY AFFORESTATION PLAN

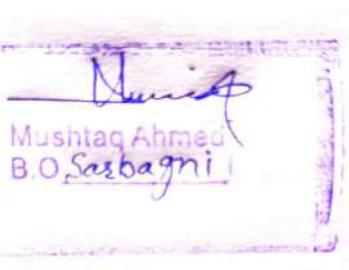
Full title of the Forest land Diversion project	Sawalkot HE Project (1856 MW)		
File No:	FP/JK/HYD/150591/2021		
Date of Proposal:	31-12-2021		
Name of the Forest Division (where forest land is proposed to be diverted):	Ramban Forest Division		
Forest area to be diverted:	332.28	Ha	
Forest/NFA to be 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	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 (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'.	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 polybagged 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 Polybagged saplings		No.	10545	2.66	0.28050	
11	2nd Year Maintenance of Polybagged saplings		No.	10545	2.66	0.28050	
12	3rd Year Maintenance of Polybagged saplings		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
	G.Total					39.09441

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

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 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 Ahmed
B.O Sarbagni


Range Officer Banihal
Range Officer
Forest Banihal


Divisional Forest Officer
Ramban Forest Division
Divisional Forest Officer
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	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 (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'.	12.9644	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 polybagged 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 Polybagged saplings		No.	5964	2.66	0.15864	
11	2nd Year Maintenance of Polybagged saplings		No.	5964	2.66	0.15864	
12	3rd Year Maintenance of Polybagged saplings		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
	G.Total					26.88371

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

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 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 Ahmed
 B.O. Sarbagani



 Range Officer Banihal
Range Officer
Forest Banihal



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

COMPENSATORY AFFORESTATION PLAN

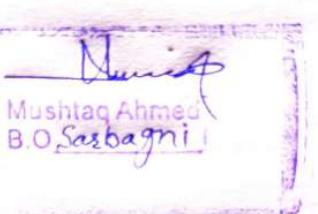
Full title of the Forest land Diversion project	Sawalkot HE Project (1856 MW)		
File No:	FP/JK/HYD/150591/2021		
Date of Proposal:	31-12-2021		
Name of the Forest Division (where forest land is proposed to be diverted):	Ramban Forest Division		
Forest area to be diverted:	332.28	Ha	
Forest/NFA to be 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" x 1' x 1'.	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 polybagged conifer saplings in polythene bags of size (9" x 6") 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 Polybagged saplings		No.	4847	2.66	0.12893	
13	2nd Year Maintenance of Polybagged saplings		No.	4847	2.66	0.12893	
14	3rd Year Maintenance of Polybagged saplings		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
		Total					23.24478

16	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575
17	Overhead/Miscallenious charges			LS		2.32448
	G.Total					31.24501

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

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 casualites 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 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. Sarbaghi


 Range Officer Banihal
 Range Officer
 Forest Banihal

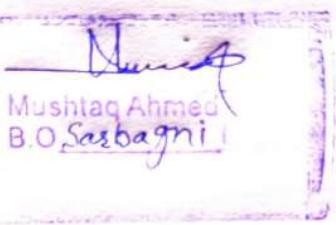

 Divisional Forest Officer
 Ramban Forest Division
 Divisional Forest Officer
 Ramban Forest Division
 Ramban

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 polybagged 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 Polybagged saplings		No.	5578	2.66	0.14837	
12	2nd Year Maintenance of Polybagged saplings		No.	5578	2.66	0.14837	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					24.98133
15	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
16	Overhead/Miscallenious charges			LS		2.49813	

G.Total		33.15521
III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
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 casualties 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 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. Sarbagni


Range Officer Banihal
Range Officer
Forest Banihal


Divisional Forest Officer
Ramban Forest Division
Divisional Forest Officer
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	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	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'.	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 polybagged 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 Polybagged saplings		No.	10000	2.66	0.26600
13	2nd Year Maintenance of Polybagged saplings		No.	10000	2.66	0.26600
14	3rd Year Maintenance of Polybagged saplings		No.	10000	3.83	0.38300
15	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
	Total					30.53712
16	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575
17	Overhead/Miscallenious charges				LS	3.05371
	G.Total					39.26658

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-	
a	General details
	An area of 22.0448 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 25/Ar 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	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
d	Species proposed to be planted
	Kail (Pinus Wallichiana), Fir, Ulmus, Apricot, Patch sowing of Fir 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 Gool



Range Officer
Forest Range Gool



Divisional Forest Officer
Ramban Forest Division Officer
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 saplings		No.	3514	2.66	0.09347	
14	2nd Year Maintenance of Polybaged saplings		No.	3514	2.66	0.09347	
15	3rd Year Maintenance of Polybaged saplings		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 7.0151 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 35/Ar 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 azarachitica (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 casualties 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 azarachitica (Dhreenkh), Kail (Pinus Wallichiana), Oak, Ulmus, persimmon Patch sowing of Kail seeds, dibbling of Oak, HC nuts, Melia azarachitica (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 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	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'.	10.4039	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 polybagged 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 Polybagged saplings		No.	5000	2.66	0.13300	
12	2nd Year Maintenance of Polybagged saplings		No.	5000	2.66	0.13300	
13	3rd Year Maintenance of Polybagged saplings		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
		Total				17.29717	
15	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575	
16	Overhead/Miscallenious charges				LS	1.72972	
	G.Total					24.70264	

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 10.4039 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 26/Ar 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" x 1' x 1'. 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 casualties 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 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 Gool


 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	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 polybagged 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 saplings		No.	6500	2.66	0.17290
12	2nd Year Maintenance of Polybagged saplings		No.	6500	2.66	0.17290
13	3rd Year Maintenance of Polybagged saplings		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/Miscallenous 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 13.0689 ha with crown density 05 % will be taken under Compensatory Afforestation Scheme in Co 29/Ar 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 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 Gool

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	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	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'.	10.9864	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 (Rate applied is subject to estimate)		No.	8	10000	0.80000	
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.	6000	8.03	0.48180	
10	Raising of Naked Root (Broad Leaved) Plants		No.	2437	7.44	0.18131	
11	1st Year Maintenance of Polybagged saplings		No.	6000	2.66	0.15960	
12	2nd Year Maintenance of Polybagged saplings		No.	6000	2.66	0.15960	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					17.62597
15	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575	
16	Overhead/Miscallenious charges			LS		1.76260	
	G.Total					25.06431	

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 10.9864 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 59/Ar 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 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 Deodar
Block Officer

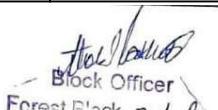
Range Officer
Forest Range
Gool

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	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'.	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 (Rate applied is subject to estimate)		No.	8	10000	0.80000	
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.	7000	8.03	0.56210	
10	Raising of Naked Root (Broad Leaved) Plants		No.	3351	7.44	0.24931	
11	1st Year Maintenance of Polybagged saplings		No.	7000	2.66	0.18620	
12	2nd Year Maintenance of Polybagged saplings		No.	7000	2.66	0.18620	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					17.41469
15	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575	
16	Overhead/Miscallenious charges			LS		1.74147	
	G.Total					24.83191	

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 14.0434 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 59/Ar 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 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 Officer
 Deodar

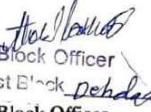

 Range Officer
 Forest Range Officer
 Gool


 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	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	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'.	11.0270	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 polybagged 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 Polybagged saplings		No.	5300	2.66	0.14098	
12	2nd Year Maintenance of Polybagged saplings		No.	5300	2.66	0.14098	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					16.08993
15	Watch and Ward of closure for 5 years	M.Days	1825		311		5.67575
16	Overhead/Miscallenious charges				LS		1.60899
	G.Total						23.37467

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 11.0270 ha with crown density 10 % will be taken under Compensatory Afforestation Scheme in Co 59/Ar 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 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 Deodar
 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	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.			
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'.	18.9011	rft	7000	135			
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			
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			
4	Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)		No.	1400	6.99			
5	Dibbling in Patches of HC nuts (45 x 45 x 15 Cms)		No.	1400	7.18			
6	Construction of inspection Path 1.5 meter wide with standard specification.		km	1.80	45221			
7	Construction of Water Harvesting Pond (100'x100')		No.	1	300000			
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.	8266	8.03			
9	Raising of Naked Root (Broad Leaved) Plants		No.	6000	7.44			
10	1st Year Maintenance of Polybagged saplings		No.	8266	2.66			
11	2nd Year Maintenance of Polybagged saplings		No.	8266	2.66			

12	3rd Year Maintenance of Polybagged saplings		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/Miscellaneous 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 18.9011 ha with crown density 10 % will be taken under Compensatory Afforestation Scheme in Co 61/Ar 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 casualties 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 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 Deodar
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	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 Polybagged saplings		No.	2000	2.66	0.05320
13	2nd Year Maintenance of Polybagged saplings		No.	2000	2.66	0.05320
14	3rd Year Maintenance of Polybagged saplings		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 6.0245 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 64/Ar 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 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 whereever 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 Deodar
Block Officer*

*Range Officer
Forest Range Gool*

*DFO
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	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	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'.	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 polybagged 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 Polybagged saplings		No.	1200	2.66	0.03192
10	2nd Year Maintenance of Polybagged saplings		No.	1200	2.66	0.03192
11	3rd Year Maintenance of Polybagged saplings		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 4.0279 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 62/Ar 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 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

Hukam Singh
Block Officer
Forest Block Dehla
Block Officer

Aslam
Range Officer
Forest Range
Gool

TP
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	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 polybagged 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 Polybagged saplings		No.	1782	2.66	0.04740
10	2nd Year Maintenance of Polybagged saplings		No.	1782	2.66	0.04740

11	3rd Year Maintenance of Polybagged saplings		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
		Total				12.04874
13	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575
14	Overhead/Miscallenious charges			LS		1.20487
	G.Total					18.92937

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-	
a	General details
	An area of 11.0914 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 8/Ar 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 casualites and repair of fencing will be done. The plantation will be rain fed.
c	Spacing
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 Gool


 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	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	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'.	9.9986	rft	5400	135	7.29000
2	Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chirpine (<i>Pinus roxburghii</i>) 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 <i>Melia azarachtica</i> (Dhreenkh), Apple, Rubinea, Banj and other broad leaved species		No.	5000	23.17	1.15850
4	Sowing in Patches <i>Melia azarachtica</i> 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 polybagged 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 Polybagged saplings		No.	500	2.66	0.01330
10	2nd Year Maintenance of Polybagged saplings		No.	500	2.66	0.01330
11	3rd Year Maintenance of Polybagged saplings		No.	500	3.83	0.01915
12	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
	Total					11.77704
13	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575
14	Overhead/Miscallenious charges				LS	1.17770
	G.Total					18.63049

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-	
a	General details
	An area of 9.9986 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 7/Ar 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 (<i>Pinus roxburghii</i>), <i>Melia azacharctica</i> (Dhreenkh), Apple, Rubinea, Banj 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
	Chirpine (<i>Pinus roxburghii</i>), <i>Melia azacharctica</i> (Dhreenkh), Apple, Rubinea, Banj, Patch sowing of <i>Melia azacharctica</i> and Rubinea seedss, dibbling of 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 Forest Officer
 Forest Block Gool


 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	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 polybagged 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 Polybagged saplings		No.	2564	2.66	0.06820

10	2nd Year Maintenance of Polybagged saplings		No.	2564	2.66	0.06820
11	3rd Year Maintenance of Polybagged saplings		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:-	
a	General details
	An area of 25.0712 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 7/Ar 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 (<i>Pinus roxburghii</i>), <i>Melia azarachtica</i> (Dhreenkh), Apple, Rubinea, Banj 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 casualites and repair of fencing will be done. The plantation will be rain fed.
c	Spacing
d	Species proposed to be planted
	Chirpine (<i>Pinus roxburghii</i>), <i>Melia azarachtica</i> (Dhreenkh), Apple, Rubinea, Banj, Patch sowing of <i>Melia azarachtica</i> and Rubinea seedss, dibbling of 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 Forest Officer
Forest Block Sehrgolden


Range Officer
Forest Range
Gool


Divisional Forest Officer
Divisional Forest Officer
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	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" x 1' x 1'.	27.9519	rft	9600	135	12.96000	
2	Planting of polybagged plants in pits (45 x 45 x 45 Cms) of Chirpine (<i>Pinus roxburghii</i>) 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 <i>Melia azarachtica</i> (Dhreenkh), Apple, Rubinea, Banj and other broad leaved species		No.	13000	23.17	3.01210	
4	Sowing in Patches <i>Melia azarachtica</i> 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 polybagged conifer saplings in polythene bags of size (9" x 6") 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 Polybagged saplings		No.	4554	2.66	0.12114	
10	2nd Year Maintenance of Polybagged saplings		No.	4554	2.66	0.12114	
11	3rd Year Maintenance of Polybagged saplings		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
		Total				25.81217	
13	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575	
14	Overhead/Miscallenious charges				LS	2.58122	
		G.Total				34.06914	

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-	
a	General details
	An area of 27.9519 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 8/Ar 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" x 1' x 1'. The species like, Chirpine (<i>Pinus roxburghii</i>), <i>Melia azarachtica</i> (Dhreenkh), Apple, Rubinea, Banj 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 casualites and repair of fencing will be done. The plantation will be rain fed.
c	Spacing
d	Species proposed to be planted
	Chirpine (<i>Pinus roxburghii</i>), <i>Melia azarachtica</i> (Dhreenkh), Apple, Rubinea, Banj, Patch sowing of <i>Melia azarachtica</i> and Rubinea seedss, dibbling of Walnut etc.
e	Silvicultural Operation
f	Soil and moisture conservation works
	Minor Soil Conservation Works like Gully plugging will be done whereever 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
Divisional Forest Officer
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	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 Group 1)					
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 azarachitica (Dhreenkh), Apple, Rubinea, Ulmus, Apricot and other broad leaved species		No.	5084	23.17	1.17796
3	Sowing in Patches Melia azarachitica 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 Polybagged saplings		No.	0	2.66	0.00000	
9	2nd Year Maintenance of Polybagged saplings		No.	0	2.66	0.00000	
10	3rd Year Maintenance of Polybagged saplings		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:-	
a	General details An area of 10.0939 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 8/Ar 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 (<i>Pinus roxburghii</i>), Melia azarachtica (Dhreenkh), Apple, Rubinea, Ulmus, 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 casualties 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 Chirpine (<i>Pinus roxburghii</i>), Melia azarachtica (Dhreenkh), Apple, Rubinea , Ulmus, Apricot, Patch sowing of Melia azarachtica and Rubinea seeds, dibbling of ...
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 ...
i	Any other information Nil


Block Forest Officer
Forest Block Gool


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	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 polybagged 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 Polybagged saplings		No.	6562	2.66	0.17455	
13	2nd Year Maintenance of Polybagged saplings		No.	6562	2.66	0.17455	
14	3rd Year Maintenance of Polybagged saplings		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 15.2903 ha with crown density 0.20 will be taken under Compensatory Afforestation Scheme in Co 51/Ar 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 Gool


Range Officer
Forest Range
Gool


Divisional Forest Officer
Ramban Forest Division
Divisional Forest Officer
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	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" x 1' x 1'.	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 (Rate applied is subject to estimate)		No.	5	10000.00	0.50000
11	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.	6367	8.03	0.51127
12	Raising of Naked Root (Broad Leaved) Plants		No.	5000	7.44	0.37200
13	1st Year Maintenance of Polybagged saplings		No.	6367	2.66	0.16936
14	2nd Year Maintenance of Polybagged saplings		No.	6367	2.66	0.16936
15	3rd Year Maintenance of Polybagged saplings		No.	6367	3.83	0.24386
16	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
	Total					17.73407
17	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575
18	Overhead/Miscallenious charges				LS	1.77341
	G.Total					25.18322

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-	
a	General details
	An area of 15.0734 ha with crown density 0.15 will be taken under Compensatory Afforestation Scheme in Co 38/Ar 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, <i>Melia azarachtica</i> (Dhreenkh), Kail (<i>Pinus Wallichiana</i>), Oak and other broad leaved species will be planted in the area
b	Plantation method
c	Spacing
d	Species proposed to be planted
e	Silvicultural Operation
f	Soil and moisture conservation works
g	Protection (Fencing , watch & ward, People's participation etc)
h	Proposed Monitoring Mechanism
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		
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	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" x 1' x 1'.	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 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	
12	Raising of Naked Root (Broad Leaved) Plants		No.	2000	7.44	0.14880	
13	1st Year Maintenance of Polybagged saplings		No.	4000	2.66	0.10640	
14	2nd Year Maintenance of Polybagged saplings		No.	4000	2.66	0.10640	
15	3rd Year Maintenance of Polybagged saplings		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
		Total					15.06211
17	Watch and Ward of closure for 5 years	M.Days	1825		311		5.67575
18	Overhead/Unforcing charges, etc.				LS		1.50621
		G.Total					22.24407

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 9.0368 ha with crown density 0.15 will be taken under Compensatory Afforestation Scheme in Co 46/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, <i>Melia azarachtica</i> (Dhreenkh), Chirpine (<i>Pinus roxburghii</i>), Dhaman (<i>Grewia optiva</i>) 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 casualties 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	<i>Melia azarachtica</i> (Dhreenkh), Chirpine (<i>Pinus roxburghii</i>), Dhaman (<i>Grewia optiva</i>), <i>Ulmus</i> , <i>Anardana</i> (<i>Punica granatum</i>) Patch sowing of Chir and Makhan seeds, dibbling of Chir, santha, <i>Melia azarachtica</i> (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


 Range Officer
 Range Officer
 Forest Range, Ramban


 AMRIT SINGH
 Block Officer
 Officer
 Forest Block..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.
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'.	5.0694	rft	4800	135
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
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
4	Sowing in Patches Kail and Deodar seeds (45 x 45 x 15 Cms)		No.	500	6.99
5	Dibbling in Patches of Oak, HC nuts and Melia azarachtica (Dhreenkh) (45 x 45 x 15 Cms)		No.	500	7.18
6	Construction of inspection Path 1.50 meter wide with standard specification.		km	0.5	45221
7	Soil Conservation Works by means of DRSM		cum	80	1099
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.	2000	8.03
9	Raising of Naked Root (Broad Leaved) Plants		No.	1850	7.44
10	1st Year Maintenance of Polybagged saplings		No.	2000	2.66
11	2nd Year Maintenance of Polybagged saplings		No.	2000	2.66
					0.05320

12	3rd Year Maintenance of Polybagged saplings		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 5.0694 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 53/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, <i>Melia azarachtica</i> (Dhreenkh), <i>Kail</i> (<i>Pinus Wallichiana</i>), 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 casualties 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	<i>Melia azarachtica</i> (Dhreenkh), <i>Kail</i> (<i>Pinus Wallichiana</i>), Oak, Patch sowing of <i>Kail</i> and <i>Deodar</i> seeds, dibbling of Oak, HC nuts, <i>Melia azarachtica</i> (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


 Range Officer
 Range Officer
 Forest Range, Ramban


 Block Officer
 Block Officer
 Forest Block..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 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.	1450	7.44	0.10788	
12	1st Year Maintenance of Polybagged saplings		No.	2000	2.66	0.05320	
13	2nd Year Maintenance of Polybagged saplings		No.	2000	2.66	0.05320	
14	3rd Year Maintenance of Polybagged saplings		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 5 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 40/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, <i>Melia azarachtica</i> (Dhreenkh), Chirpine (<i>Pinus roxburghii</i>), Dhaman (<i>Grewia optiva</i>) 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 casualties 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	<i>Melia azarachtica</i> (Dhreenkh), Chirpine (<i>Pinus roxburghii</i>), Dhaman (<i>Grewia optiva</i>), <i>Ulmus</i> , <i>Anardana</i> (<i>Punica granatum</i>) Patch sowing of Chir and Makhan seeds, dibbling of Chir, santha, <i>Melia azarachtica</i> (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


 AMRIT SINGH
 Block Officer
 Forest Block..Ramban


 Range Officer
 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 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	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'.	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 saplings		No.	1600	2.66	0.04256	
11	2nd Year Maintenance of Polybagged saplings		No.	1600	2.66	0.04256	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					10.40790
14	Watch and Ward of closure for 5 years	M.Days	1825		311		5.67575
15	Overhead/Unforcing charges, etc.				LS		1.04079
	G.Total						17.12444

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 10.1002 ha with crown density 0.30 will be taken under Compensatory Afforestation Scheme in Co 45/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, <i>Melia azarachtica</i> (Dhreenkh), Chirpine (<i>Pinus roxburghii</i>), Dhaman (<i>Grewia optiva</i>) 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	<i>Melia azarachtica</i> (Dhreenkh), Chirpine (<i>Pinus roxburghii</i>), Dhaman (<i>Grewia optiva</i>), <i>Ulmus</i> , <i>Anardana</i> (<i>Punica granatum</i>) Patch sowing of Chir and Makhan seeds, dibbling of Chir, santha, <i>Melia azarachtica</i> (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 whereever 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


Amrik Singh
 Block Officer
 Officer
 Forest Block, Ramban


Range Officer
 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		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 saplings			No.	1198	2.66	0.03187
12	2nd Year Maintenance of Polybagged saplings			No.	1198	2.66	0.03187

13	3rd Year Maintenance of Polybagged saplings		No.	1198	3.83	0.04588	
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 5.9976 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 51/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" x 1' x 1'. The species like, <i>Melia azarachtica</i> (Dhreenkh), Kail (<i>Pinus Wallichiana</i>), 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	<i>Melia azarachtica</i> (Dhreenkh), Kail (<i>Pinus Wallichiana</i>), Oak, Patch sowing of Kail and Deodar seeds, dibbling of Oak, HC nuts, <i>Melia azarachtica</i> (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

 
Range Officer
Range Officer
Forest Range, Ramban
Range Officer
Range Officer
Forest Range, 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	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'.	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 polybagged 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 Polybagged saplings		No.	1000	2.66	0.02660	
12	2nd Year Maintenance of Polybagged saplings		No.	1000	2.66	0.02660	
13	3rd Year Maintenance of Polybagged saplings		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 6.0117 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 40/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, <i>Melia azarachitca</i> (Dhreenkh), Chirpine (<i>Pinus roxburghii</i>), Dhaman (<i>Grewia optiva</i>) 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 casualties 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	<i>Melia azarachitca</i> (Dhreenkh), Chirpine (<i>Pinus roxburghii</i>), Dhaman (<i>Grewia optiva</i>), <i>Ulmus</i> , <i>Anardana</i> (<i>Punica granatum</i>) Patch sowing of Chir and Makhan seeds, dibbling of Chir, santha, <i>Melia azarachitca</i> (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


 AMR
 Block SINGH
 Block Officer
 Officer
 Forest Block..Ramban


 Range Officer
 Range Officer
 Ramban
 Forest Range, Ramban


 J
 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 polybagged 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 Polybagged saplings		No.	1300	2.66	0.03458	
12	2nd Year Maintenance of Polybagged saplings		No.	1300	2.66	0.03458	
13	3rd Year Maintenance of Polybagged saplings		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 7.0073 ha with crown density 0.20 will be taken under Compensatory Afforestation Scheme in Co 36/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 azarachitica (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 casualties 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


Range Officer
 Block Officer
 Officer
 Forest Block, 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	8005		

Details of land where C.A. is to be carried out:

Degraded forest land	Yes	Area:	10.9533
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	Ramban		
Compartment	35/R		
Khasra No. (for non-forest land)	NA		
CA Site	Dardhaee/Sujmatna		
CA site (Area)	10.9533		

C.A Site Geo Coordinates:

(i) Starting point	Latitude:- 33°18'52.53"N Longitude:- 75°13'37.68"E
(ii) End Point	Latitude:- 33°18'38.49"N Longitude:- 75°13'58.70"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 0.40 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'.	10.9533	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 polybagged 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 Polybagged saplings		No.	4500	2.66	0.11970
13	2nd Year Maintenance of Polybagged saplings		No.	4500	2.66	0.11970
14	3rd Year Maintenance of Polybagged saplings		No.	4500	3.83	0.17235
15	Maintenance of the closure for 10 years	2nd year maintenance of the plantation 3rd year maintenance of the plantation 4th year maintenance of the plantation 5th year maintenance of the plantation 6th year maintenance of the plantation 7th year maintenance of the plantation 8th year maintenance of the plantation	No. No. No. No. No. No. No.	2001.3 801 400 400 400 400 400	25% 10% 5% 5% 5% 5% 5%	29.34 29.34 29.34 29.34 29.34 29.34 29.34 0.58717 0.23487 0.11743 0.11743 0.11743 0.11743 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
	Total					18.04243
16	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575
17	Overhead/Miscallenious charges			LS		1.80424
	G.Total					25.52242

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

a	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	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 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


 Rafi,
 Block Officer
 NCHD Range 35/R
 Bhangara
 Block Forest Officer
 Block


 Range Officer
 Forest Range Ramban


 Divisional Forest Officer
 Ramban Forest Division
 Divisional Forest Officer
 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	4510		

Details of land where C.A. is to be carried out:

Degraded forest land	Yes	Area:	6.0105
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	Ramban		
Compartment	35/R		
Khasra No. (for non-forest land)	NA		
CA Site	Ahama/Sujmatna		
CA site (Area)	6.0105		

C.A Site Geo Coordinates:

(i) Starting point	Latitude:- 33°18'47.35"N Longitude:- 75°13'21.40"E
(ii) End Point	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 polybagged 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 Polybagged saplings		No.	2710	2.66	0.07209	
13	2nd Year Maintenance of Polybagged saplings		No.	2710	2.66	0.07209	
14	3rd Year Maintenance of Polybagged saplings		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
		Total				12.73411
16	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575
17	Overhead/Miscallenious charges			LS		1.27341
	G.Total					19.68327

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

a	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" x 1' x 1'. 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 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 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
 JUND RANG
 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

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	4000					
Details of land where C.A. is to be carried out:						
Degraded forest land	Yes	Area:	5.0371			
Non-forest land	NA	Area:	NA			
Forest Division	Ramban					
Range :	Ramban					
Compartment	24/R					
Khasra No. (for non-forest land)	NA					
CA Site	Chiwlee/Senabetti					
CA site (Area)	5.0371					
C.A Site Geo Coordinates:						
(i) Starting point	Latitude:- 33° 18' 41.96" N Longitude:- 75° 21' 24.37"E					
(ii) End Point	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)					
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'.	5.0371	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 polybagged 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 Polybagged saplings		No.	2500	2.66	0.06650	
11	2nd Year Maintenance of Polybagged saplings		No.	2500	2.66	0.06650	
12	3rd Year Maintenance of Polybagged saplings		No.	2500	3.83	0.09575	
13	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	1216		16.74	0.20356
		5th year Fencing repair	Rft	2432		16.74	0.40712
		Total					9.36050
14	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	

15	Overhead/Miscallenious charges			LS	0.93605
	G.Total				15.97230
III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-					
a	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	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 casualites 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 _____
 MCD Ramban _____
 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

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):	332.28	Ha	
Forest area to be diverted:			
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	12000		

Details of land where C.A. is to be carried out:

Degraded forest land	Yes	Area:	16.0981
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	Ramban		
Compartment	27/R		
Khasra No. (for non-forest land)	NA		
CA Site	Dal/Bhangara		
CA site (Area)	16.0981		

C.A Site Geo Coordinates:

(i) Starting point	Latitude:- 33°18'0.83" N Longitude:- 75°18'25.17"E
(ii) End Point	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
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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)			

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'.	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 polybagged 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 Polybagged saplings		No.	7000	2.66	0.18620	
11	2nd Year Maintenance of Polybagged saplings		No.	7000	2.66	0.18620	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					16.91767
14	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	

15	Overhead/Miscallenious charges			LS	1.69177
	G.Total				24.28518
III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-					
a	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	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 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 Ramban
 Ramban Forest Division
 Bhangara
 Block _____


 Range Officer
 Forest Range Ramban


 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):	332.28	Ha	
Forest area to be diverted:			
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:	9.0016
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	Ramban		
Compartment	31/R		
Khasra No. (for non-forest land)	NA		
CA Site	Chamhal/Bhangara		
CA site (Area)	9.0016		

C.A Site Geo Coordinates:

(i) Starting point	Latitude:- 33°19'20.80"N Longitude:- 75°16'35.55"E
(ii) End Point	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)		

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'.	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 polybagged 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 Polybagged saplings		No.	3500	2.66	0.09310	
11	2nd Year Maintenance of Polybagged saplings		No.	3500	2.66	0.09310	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					11.75410
15	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	

16	Overhead/Unforseen charges			LS	1.17541
	G.Total				18.60526

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-

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 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 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

Raj,
 Block Officer
 MOHD RAJESH
 Bhangara
 Block Forest Officer
 Block _____

S.B.
 Range Officer
 Forest Range Ramban

DFO
 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	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	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'.	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 saplings		No.	5485	2.66	0.14590	
11	2nd Year Maintenance of Polybagged saplings		No.	5485	2.66	0.14590	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					16.24030
14	Watch and Ward of closure for 5 years	M.Days	1825		311	5.67575	
15	Overhead/Unforcing charges, etc.				LS	1.62403	
	G.Total					23.54008	

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-	
a	General details An area of 14.9838 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 9/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, Kail (<i>Pinus Wallichiana</i>), Deodar (<i>cedrus deodara</i>), Ulmus, Apple, 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 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 Kail (<i>Pinus Wallichiana</i>), Deodar (<i>cedrus deodara</i>), Ulmus, Apple, Apricot, Patch sowing of Kail and Deodar 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 *Neel*

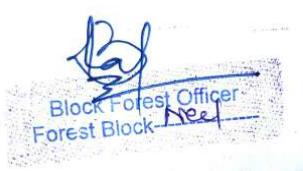

Range Officer
Forest Range Ramban


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	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'.	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 saplings		No.	3300	2.66	0.08778	
12	2nd Year Maintenance of Polybagged saplings		No.	3300	2.66	0.08778	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					16.82885
15	Watch and Ward of closure for 5 years	M.Days	1825		311		5.67575
16	Overhead/Unforcing charges, etc.				LS		1.68289
		G.Total					24.18749

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-	
a	General details An area of 8.0488 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 9/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, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Apple, 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 casualties 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), Deodar (cedrus deodara), Ulmus, Apple, Apricot, Patch sowing of Kail and Deodar 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
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 saplings			No.	4000	2.66	0.10640

12	2nd Year Maintenance of Polybagged saplings		No.	4000	2.66	0.10640
13	3rd Year Maintenance of Polybagged saplings		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
		3rd year maintenance of the plantation	No.	700	10%	29.34
		4th year maintenance of the plantation	No.	350	5%	29.34
		5th year maintenance of the plantation	No.	350	5%	29.34
		6th year maintenance of the plantation	No.	350	5%	29.34
		7th year maintenance of the plantation	No.	350	5%	29.34
		8th year maintenance of the plantation	No.	350	5%	29.34
		9th year maintenance of the plantation	No.	350	5%	29.34
		10th year maintenance of the plantation	No.	350	5%	29.34
		3rd year Fencing repair	Rft	2000		16.74
		5th year Fencing repair	Rft	3000		16.74
		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 12.2130 ha with crown density 0.10 will be taken under Compensatory Afforestation Scheme in Co 9/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, 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 casualties 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 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 - Neel

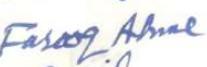

 Range Officer
 Forest Range Ramban


 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	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	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'.	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 saplings		No.	3553	2.66	0.09451	
11	2nd Year Maintenance of Polybagged saplings		No.	3553	2.66	0.09451	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					13.54207
14	Watch and Ward of closure for 5 years	M.Days	1825		311		5.67575
15	Overhead/Unforcing charges, etc.				LS		1.35421
	G.Total						20.57203

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 10.0565 ha with crown density 10 % will be taken under Compensatory Afforestation Scheme in Co 17a/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, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus 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	Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus, Patch sowing of Kail and Deodar 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


 B.O. Rajal

 Farooq Ahmad

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 Range Officer
 Forest Range Ramban


 Divisional Forest Officer
 D 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	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'.	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
		Total					18.51681
14	Watch and Ward of closure for 5 years	M.Days	1825		311		5.67575
15	Overhead/Unforcing charges, etc.				LS		1.85168
	G.Total						26.04424

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 13.0865 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 19a/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, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus 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 casualties 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), Deodar (cedrus deodara), Ulmus, Patch sowing of Kail and Deodar 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 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.O. Rojal

 Farooq Ahmad

 Sohail


 Range Officer
 Forest Range Ramban

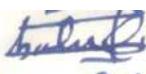
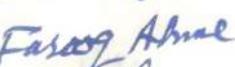

 Divisional Forest Officer
 Ramban Forest Division

 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	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	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'.	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 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.	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
		Total					20.91537
14	Watch and Ward of closure for 5 years	M.Days	1825		311		5.67575
15	Overhead/Unforcing charges, etc.				LS		2.09154
	G.Total						28.68266

III) Technical Details: - Technical details of Compensatory Afforestation Scheme are as follows:-		
a	General details	An area of 20.0920 ha with crown density 0.05 will be taken under Compensatory Afforestation Scheme in Co 19a/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, Kail (Pinus Wallichiana), Deodar (cedrus deodara), Ulmus 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 casualties 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), Deodar (cedrus deodara), Ulmus, Patch sowing of Kail and Deodar 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


 B.O. Rangar

 Farooq Ahmad

 Sohail


 Range Officer
 Forest Range Ramban

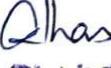

 Divisional Forest Officer
 Ramban Forest Division

 Divisional Forest Officer
 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	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 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.	2592	7.44	0.19284	
10	1st Year Maintenance of Polybagged saplings		No.	1600	2.66	0.04256	
11	2nd Year Maintenance of Polybagged saplings		No.	1600	2.66	0.04256	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					11.57860
14	Watch and Ward of clouser for 5 years.	M.days	1825		311		5.67575
15	Overhead/Miscallenious charges				LS		1.15786
	G.Total						18.41221

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, <i>Melia azarachtica</i> (Dhreenkh), <i>Chir</i> (<i>Pinus Roxburgii</i>), <i>Grewia Optiva</i> (Dhaman), <i>Shisham</i> (<i>Dalbergia sisso</i>), <i>Anardana</i> (<i>Punica Granatum</i> 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
d	Species proposed to be planted
	<i>Melia azarachtica</i> (Dhreenkh), <i>Chir</i> (<i>Pinus Roxburgii</i>), <i>Grewia Optiva</i> (Dhaman), <i>Shisham</i> (<i>Dalbergia sisso</i>), <i>Anardana</i> (<i>Punica Granatum</i>), <i>Ulmus</i> , Apricot Patch sowing of <i>Chir</i> , <i>Melia</i>
e	Silvicultural Operation
f	Soil and moisture conservation works
g	Protection (Fencing , watch & ward, People's participation etc)
h	Proposed Monitoring Mechanism
i	Any other information


 Block Officer
 For Rajgarhok Range
 Forest Ramban


 Range Officer
 Forest 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	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 polybagged 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 Polybagged saplings		No.	3000	2.66	0.07980	
12	2nd Year Maintenance of Polybagged saplings		No.	3000	2.66	0.07980	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					16.65147
15	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
16	Overhead/Miscallenious charges				LS	1.66515	
	G.Total					23.99236	

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 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 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
For Rajgarh Block
Ramban Forest
Ramban


Range Officer
Ramban


Divisional Forest Officer
Ramban Forest Division

Divisional Forest Officer
Ramban
Ramban Forest Division
Ramban

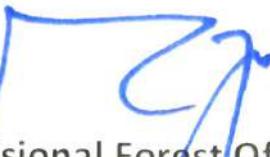
COMPENSATORY AFFORESTATION PLAN			
Full title of the Forest land Diversion project	Sawalkot HE Project (1856 MW)		
File No:	FP/JK/HYD/150591/2021		
Date of Proposal:	31-12-2021		
Name of the Forest Division (where forest land is proposed to be diverted):	Ramban Forest Division		
Forest area to be diverted:	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	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 (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'.	12.1755	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 polybagged 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 Polybagged saplings		No.	3000	2.66	0.07980	
13	2nd Year Maintenance of Polybagged saplings		No.	3000	2.66	0.07980	
14	3rd Year Maintenance of Polybagged saplings		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
		Total				21.33694	
16	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
17	Overhead/Miscallenious charges				LS	2.13369	
	G.Total					29.14638	

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 casualitites and repair of fencing will be done. The plantation will be rain fed.
c	Spacing
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
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
Rajgarhok Range Forest Ramban


Range Officer
Ramban


Divisional Forest Officer
Ramban Forest Division

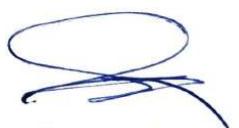
Divisional Forest Officer
Ramban Forest Division
Ramban

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	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 (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'.	10.0444	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 polybagged 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 Polybagged saplings		No.	5000	2.66	0.13300	
11	2nd Year Maintenance of Polybagged saplings		No.	5000	2.66	0.13300	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					14.05422
14	Watch and Ward of clouser for 5 years.	M.days	1825		311		5.67575
15	Overhead/Miscallenious charges				LS		1.40542
	G.Total						21.13539

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 casualties 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

Alhas
 Block Officer
 For Rajgarh Block Forest Ramban


 Range Officer


 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	16000		
Details of land where C.A. is to be carried out:			
Degraded forest land	Yes	Area:	21.0933
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	Ramban		
Compartment	47/Ramban		
Khasra No. (for non-forest land)	NA		
CA site	Chakwa Nallah/Sildhar		
CA site (Area)	21.093		
C.A Site Geo Coordinates:			
(i) Starting point	Latitude:- 33°12'45.27"N Longitude:- 75°18'10.98"E		
(ii) End Point	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 polybagged 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 Polybagged saplings		No.	6000	2.66	0.15960	
14	2nd Year Maintenance of Polybagged saplings		No.	6000	2.66	0.15960	
15	3rd Year Maintenance of Polybagged saplings		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
		Total					30.10963
17	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
18	Overhead/Miscallenious charges				LS	3.01096	
	G.Total					38.79634	

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 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 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
For Rajgarh Block Range Forest Ramban


Range Officer
For Rajgarh Block Range Forest 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	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 (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'.	6.0336	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 polybagged 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 Polybagged saplings		No.	1732	2.66	0.04607	
14	2nd Year Maintenance of Polybagged saplings		No.	1732	2.66	0.04607	
15	3rd Year Maintenance of Polybagged saplings		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
		Total					12.09105
17	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
18	Overhead/Miscallenious charges				LS	1.20911	
	G.Total					18.97591	

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 casualitites and repair of fencing will be done. The plantation will be rain fed.
c	Spacing
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
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
 BFO, S.C. BANIHAL


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


 Divisional Forest Officer
 Ramban Forest Division
 DFO
 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	1582		
Details of land where C.A. is to be carried out:			
Degraded forest land	Yes	Area:	2.1911
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-II		
CA site (Area)	2.1911		
C.A Site Geo Coordinates:			
(i) Starting point	Latitude:- 33°30'4.35"N Longitude:- 75° 9'22.66"E		
(ii) End Point	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 (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'.	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 Polybagged saplings		No.	582	2.66	0.01548	
13	2nd Year Maintenance of Polybagged saplings		No.	582	2.66	0.01548	
14	3rd Year Maintenance of Polybagged saplings		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
		Total				4.88903	
16	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
17	Overhead/Miscallenious charges				LS	0.48890	
	G.Total					11.05369	

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 casualties 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


RABHUBIR SINGH
 BFO S.C. BANIHAL


 ROSC
 Range Officer
 Banihal
 S. C. Range Banihal


 Divisional Forest Officer
 Ramban Forest Division
 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		
Total No. of plants to be planted	664560		
No. of plants to be planted in this Unit	16019		
Details of land where C.A. is to be carried out:			
Degraded forest land	Yes	Area:	20.0199
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	SC Banihal		
Compartment	42/Banihal		
Khasra No. (for non-forest land)	NA		
CA site	Khundartop Lal Pathar/Krawa Chachal		
CA site (Area)	20.0199		
C.A Site Geo Coordinates:			
(i) Starting point	Latitude:- 33°26'57.54"N Longitude:- 75° 9'32.12"E		
(ii) End Point	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
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.(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'.	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 polybagged 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 Polybagged saplings		No.	4019	2.66	0.10691	
13	2nd Year Maintenance of Polybagged saplings		No.	4019	2.66	0.10691	
14	3rd Year Maintenance of Polybagged saplings		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
		Total					20.67566
16	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
17	Overhead/Miscallenious charges				LS	2.06757	
	G.Total					28.41898	

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 casualties 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


RABHUBIR SINGH
 DFO S.C. BANIHAL


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


 Divisional Forest Officer
 Ramban Forest Division
 DFO
 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	22588		
Details of land where C.A. is to be carried out:			
Degraded forest land	Yes	Area:	25.0983
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-I		
CA site (Area)	25.0983		
C.A Site Geo Coordinates:			
(i) Starting point	Latitude:- 33°20'20.80"N Longitude:- 75°19'2.19"E		
(ii) End Point	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 polybagged 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 Polybagged saplings		No.	5588	2.66	0.14864	
11	2nd Year Maintenance of Polybagged saplings		No.	5588	2.66	0.14864	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					21.36896
14	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
15	Overhead/Miscallenious charges				LS	2.13690	
	G.Total					29.18160	

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 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
Block Officer


R O S C
Range Officer
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 polybagged 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 Polybagged saplings		No.	5490	2.66	0.14603	
11	2nd Year Maintenance of Polybagged saplings		No.	5490	2.66	0.14603	
12	3rd Year Maintenance of Polybagged saplings		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
		Total					21.40976
14	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
15	Overhead/Miscallenious charges				LS	2.14098	
	G.Total					29.22648	

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 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), 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 Officer


 ✓ **R O S C**
Ranger Officer
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	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 polybagged 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 Polybagged saplings		No.	4500	2.66	0.11970	
13	2nd Year Maintenance of Polybagged saplings		No.	4500	2.66	0.11970	
14	3rd Year Maintenance of Polybagged saplings		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
		Total					14.22375
16	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
17	Overhead/Miscallenious charges				LS	1.42238	
	G.Total					21.32188	

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 roxburghii), 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 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
Forester
Block Officer


R O S C
Range Officer
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	4000		
Details of land where C.A. is to be carried out:			
Degraded forest land	Yes	Area:	6.0188
Non-forest land	NA	Area:	NA
Forest Division	Ramban		
Range :	SC Banihal		
Compartment	39/Ramban		
Khasra No. (for non-forest land)	NA		
CA site	Digdole/Digdole-II		
CA site (Area)	6.019		
C.A Site Geo Coordinates:			
(i) Starting point	Latitude:- 33°17'33.78"N Longitude:- 75°10'48.25"E		
(ii) End Point	Latitude:- 33°17'14.52"N Longitude:- 75°10'53.10"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:	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 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	
10	Raising of Naked Root (Broad Leaved) Plants		No.	2000	7.44	0.14880	
11	1st Year Maintenance of Polybagged saplings		No.	2000	2.66	0.05320	
12	2nd Year Maintenance of Polybagged saplings		No.	2000	2.66	0.05320	
13	3rd Year Maintenance of Polybagged saplings		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
		Total					11.51069
15	Watch and Ward of clouser for 5 years.	M.days	1825		311	5.67575	
16	Overhead/Miscallenious charges			LS		1.15107	
		G.Total				18.33751	

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 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
Forests

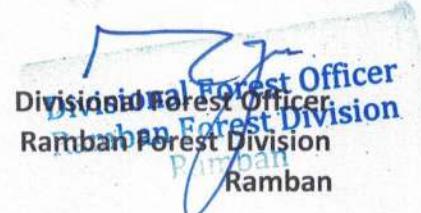
D
R O S C
Range Officer
Banihal
S. C. Range Banihal

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

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

A. NURSERY

S. No.	Name of proposed Nursery	Area	Amount
1	PROPOSAL FOR ESTABLISHMENT OF NURSERY AT ZABAN BANIHAL Block SC RANGE BANIHAL COMPARTMENT 45/B (SC)	1.000	32.575
2	PROPOSAL FOR ESTABLISHMENT OF NURSERY AT TANJIWAR-I BANIHAL Block SC RANGE BANIHAL COMPARTMENT 46/B SC	0.600	20.615
3	PROPOSAL FOR ESTABLISHMENT OF NURSERY AT TANJIWAR-II BANIHAL Block SC RANGE BANIHAL COMPARTMENT 46/B SC	0.450	16.861
4	PROPOSAL FOR ESTABLISHMENT OF NURSERY AT Khil Panchayat Balihote-B Bhangara Block Ramban Range Compartment 34/R	0.360	71.517
5	PROPOSAL FOR ESTABLISHMENT OF NURSERY AT CHINGARA I and II Sangaldan Block Gool Range Compartment	0.800	65.420
6	PROPOSAL FOR ESTABLISHMENT OF NURSERY AT JAWADNAGAR-I GOOL Block Gool Range Compartment 28/Ar	0.480	33.220
7	PROPOSAL FOR ESTABLISHMENT OF NURSERY AT JAWADNAGAR-II GOOL Block Gool Range Compartment 28/Ar	1.000	48.425
Sub-Total		4.69	288.634


 Divisional Forest Officer
 Ramban Forest Division
 Ramban

**PROPOSAL FOR ESTABLISHMENT OF NURSERY at Khil Panchayat Balihote-B in
Co.34/R forest Block Bhangra, Forest Range Ramban**

S.No.	Item	Unit	Rate	Quantity	Amount
1	Fencing Using Chain Link Fencing	RFT	As per estimate	800	17.600
2	Formation of Nursery for planting stocks 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	0.36	1.08916E-05
3	Provision for construction of the concrete water channels	No.	As per estimate		1.50
4	Provision for purchase of Nursery tools and equipments	No.	As per estimate		1.50
5	Provision for fabrication of Net House	No.	As per estimate		3.00
6	Provision for purchase of Agroshed Net	No.	As per estimate		1.50
7	Provision for construction of water tank with GI pipes etc	No.	As per estimate		6.00
8	Provision for Poly House (20'X20mtr)	No.			10.24
9	Provision for Mist Chamber (06X30Mtr)	No.			16.34
10	Provision for DRSM Work (250M ³) @1099/M ³				2.74
11	Provisions for construction of Chowkidar/Mali Hut				10.00
	Total				70.420

Submitted to the Worthy DFO Ramban for favour of information and necessary action please.

ND. 553/R
Dt. 6/7/2023.

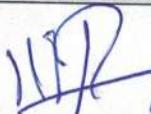


S. S. Ramban
Range Officer
Forest Range, Ramban

95
Divisional Forest Officer
Ramban Forest Division

**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" x 1' x 1'. 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 Agrosched 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
Total					32.575



Block Officer
Forest Block SC Banihal

No. 79 /SC

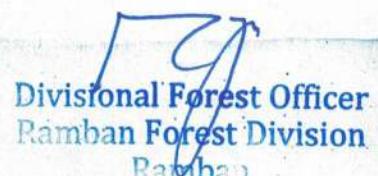
Dated :- 06 /07/2023



Range Officer
Forest Range SC Banihal
S. C. Range Banihal

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
Total					20.615

Block Officer
Forest Block SC Banihal

No. 80 /SC Dated :- 06 /07/2023

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

Ram
Range Officer
Forest Range SC Banihal

G/S
Divisional Forest Officer
Ramban 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 Agroshred 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
	Total				16.861



Block Officer
Forest Block SC Banihal

No. 81 /SC

Dated :- 06 /07/2023



Range Officer
Forest Range SC Banihal
S. C. Range Banihal

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

C/S



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	RFT	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 16" 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 Agrosched 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
Total					65.420

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

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

C/S

Range Forest Officer
Forest Range
Gool

Divisional Forest Officer
Ramban Forest Division
Ramban

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

28/Ar

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
Total					33,220

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

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

Range Forest Officer
Forest Range
Gool

✓/S

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 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	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
	Total				60.425

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

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

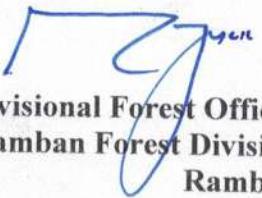
C/S

Divisional Forest Officer
Ramban Forest Division

*Range Forest Officer
Forest Range
God*

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**