



Himachal Pradesh
Forest Department

**OFFICE OF DEPUTY CONSERVATOR OF FORESTS,
PALAMPUR FOREST DIVISION, PALAMPUR, HP 176061**
Phone 01894-232630, Fax No.01894-232762 e-mail-dfoplphp@gmail.com

Io.FCA/ 3758/9 / Dated Palampur, the/ 20/11/2025

From:

Deputy Conservator of Forests,
Palampur Forest Division,
Palampur.

To:

The Managing Director,
Leond Hydro Power Pvt. Ltd.
Flat No. 13, Patrakar Vihar,
Kachhi Dhathi, Shimla (H.P.)

Subject: Diversion of 2.2926 ha. of forest land in favour of Leond Hydro Power Pvt. Ltd., Skipton Villa, The Ridge, Shimla-1 for the construction of Banu SHEP (5 MW) within the jurisdiction of Palampur Forest Division, District Kangra, Himachal Pradesh. (Online Proposal No. FP/HP/HYD/31910/2018)-Reg.

Sir,

Kindly refer to Government of India, Ministry of Environment, Forest & Climate Change Regional Office Dehradun letter No.1332 dated 23.09.2020 copy received vide Nodal Officer cum- CCF (FCA) O/o PCCF (HoFF) HP Shimla endst. No. Ft.148-3722/2018/FCA dated 27.10.2020 on the subject cited above.

2. In this context, it is intimated that the Cost of Contingency on New CA Scheme with necessary Protection, Management and Enrichment Plan as approved by Govt. of India is required to be deposited in Ad-hoc CAMPA Account through e-payment module. The detail of amount and mode of deposition is as under :

Component	Amount as per CA Scheme (Rs.)	Amount Already Deposited	Balance Amount to be Deposited	Mode of Payment	Where the amount is to be deposited
5% Contingency on CA Scheme	82,574/-	41,860/-	40,714/-	e-payment	Through challan on Parivesh Online portal, in the Adhoc CAMPA Account
Total Amount to be deposited through online (CAMPA Account)	82,574	41,860/-	40,714/-		

3 You are requested to submit the payment details to this office so that the Stage-II approval could be updated on the Portal

Encl: As stated.

Deputy Conservator of Forest,
Palampur Forest Division,
Palampur.

Detailed CA Scheme/ Detailed Protection, Management and Enrichment plan for U25 B Ban Deol in 5 ha

It is further submitted that CA Scheme attached vide letter No. 634/CF dated 19.06.2018 may be dropped and the Protection, Management and Enrichment plan may be considered for approval.

Detailed Protection, Management and Enrichment plan for U25 B Ban Deol in 5 ha.

As per letter of Regional Office (North Central Zone) 25 Subhash Road Dehradun letter No./B/HP/01/12/2019/FC/300 dated 11.06.2020 as per their DSS analysis the proposed CA area falls in Rare forest type. In this connection it is submitted that as per ground verification report of the area, the area consist of mixed species like Kharsu, Chil, Bank Oak and Rhododendron. The copy of the compartment history file of the area proposed for previous CA scheme and same area has been proposed for Protection, Management and Enrichment is enclosed for ready reference.

Considering the working plan suggestion/ prescription growing stock.

It is further submitted that during carrying out/implementation of above proposed plan there will be no damage to Rare forest type in contrary, it will supplement of the existing rare forest type in the of form of management, plantation and enrichment the same. The plan is attached below.

In general, following guidelines would be applicable:

Native species of tree, shrub, herb, and grass only would be selected for proposed treatment models/ plantations. Traditional and prominent horticultural and ornamental species those have long been in cultivation in the region are proposed in the agriculture and urban landscapes. Mixed plantations are proposed as far as possible instead of monocultures.

- The necessary preparations for planting works including digging of pits would be completed well before the onset of monsoon or planting season. However, the period between pit digging and scheduled planting time would not be more than four months so that run-off of soil by wind and water would be low.
- Farm yard or organic manure would be applied to boost plant growth in nurseries and plantation sites. Eco-friendly measures (e.g. physical or mechanical methods, use of natural products, etc.) for weed and pest control would be adopted without resorting to the use of synthetic chemicals
- Plantation sites would be protected against all types of biotic disturbances and abiotic stresses so as to effectively safeguard planted material for four years through fence, watch and ward, as well as public awareness and involvement.

Model No – RV/HP/NL/04

Temperate Mixed Forest

Zone

Moist Temperate Area

The moist temperate forest area occurs at 1,700 m to 3,500 m altitude. Dominant species of the area are: *Quercus leucotricophora*, *floribunda*, *Pinus roxiburgii* Sometime, one species may occur in form of pure stands. This zone is often characterized by degraded stretches along the river banks running close to the area of dense temperate

forests, mainly of conifers. This zone experiences snowfall and rainfall several times during winter months and enjoys a cool climate with plenty of monsoon rains.

Trees: *Quercus leucotricophora*, *Q. floribunda*, *Q. semecarpifolia*, *Q. ilex*,

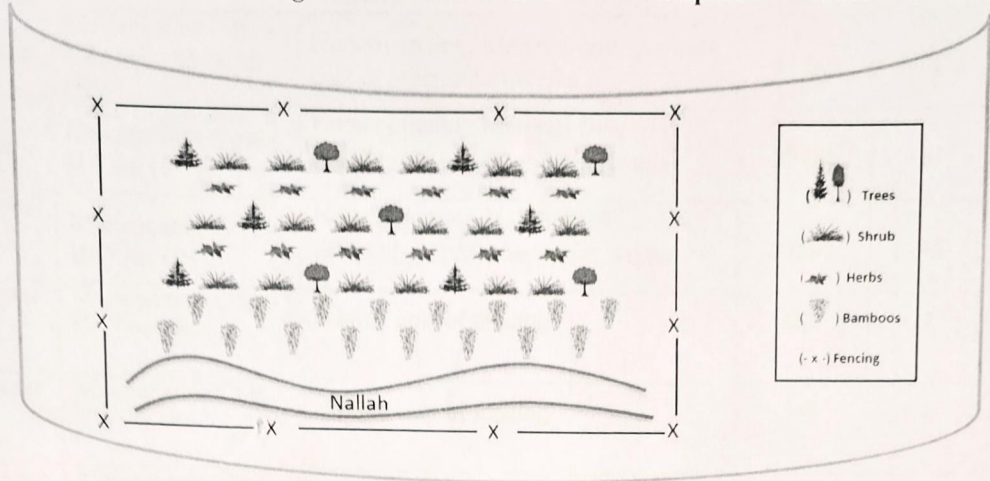
Shrubs: *Sinarundinaria falcata* (Hill bamboo), *Daphne papyracea*, *Principia utilis*, *Rosa moschata*, *Debregeasia hypoleuca*, *Cotoneaster bacillaris*, *Viburnum grandiflorum*, *Elaeagnus conferta*, *Hypericum oblongifolium*, *Rubus biflorus*, *R. niveus*, *R. ellipticus*, *R. foliolosus*, *Zanthoxylum armatum*, *Deutzia staminea*, *D. corymbosa*, *Spiraea canescens*, *Berberis spp* etc.

Herbs: *Aconitum heterophyllum*, *Heracleum candicans*, *Angelica glauca*, *Geranium wallichianum*, *Polygonatum verticillatum*, *Polygonatum cirrhifolium*, *Podophyllum*

Annual precipitation in this zone is around 1,500 mm to 2,000 mm. In some areas, snow lasts till spring season. The soil in many places is shallow, exposed and prone to erosion. This zone is heavily grazed by domestic animals and cause huge damage to the vegetation. Besides this, road construction and other developmental activities also cause severe soil erosion, resulting in damage to vegetation. There is heavy dependence of local communities on Oak fodder within Ravi Rivers cape. Temperate mixed forest treatment model has been proposed specifically for the blank and degraded patches within the temperate zone. Planting of trees @300/ha belonging to conifers and broadleaved species will be carried out in the blank and degraded patches. In this model preferably broadleaved plant will be planted in general and conifer plants can be planted on the ridges and shallow soil depth area. The native shrubs @300 plants/ha will be carried out in between the tree planted. The medicinal plants species will also be planted in patches @ 4 plants/ patch and that means planting of total of 1,200 medicinal plants/ ha. The small stream or nallah facing side of the treatment site will be planted with two rows of hill bamboo @ 200/ha at 2 m x 2 m spacing. The major focus of the proposed treatment model will be on the conservation and propagation of native species alongside improved livelihoods for local communities. Most of conifer plants require around 3 years of nursery period and planting will be done in the 4th year. For producing quality nursery stock of desired species, native zone soil will be used in conifer species and VAM will be added in shrubs and herb either species specific or as consortium. To synchronize planting of trees, medicinal herbs and shrubs in 4th year, the nursery for selected herbs and shrubs will be raised 2nd year onwards. The plants will be maintained in the field during 5th, 6th and 7th year of the project implementation. The collection of medicinal and aromatic plant species in protected areas would be regulated as per the State's policy on medicinal plants and in accordance with the rights of local communities

List of illustrated species for

plantation:Plantation Design: RV/HP/NL/04 - Temperate Mixed Forest



The detail financial requirement alongwith component wise enclosed

Labour Rate Rs 275, in Ist year and Annual Increase @ 7% in Subsequent Years

RV/HP/NL/04 (Temperate Mixed Forest)				
Year	Item	Detail of works	Amount /ha	Man days
	Number of Plants (No.)	Plants- 300 No., Bamboo-200, Shrubs-300 no., Herbs- 1200 no (300 no. patches)		
	Advance Work Labour Cost (Rs.)	Establishment of Nursery	15950	58
	Advance Work Labour Cost (Rs.)	Maint of Nursery+ Estb of Ist year maint.	36145	124
	Advance Work Material (Rs.)	Cost of Seed, Farm yard manure (FYM), Barbed wire and Reinforced Cement Concrete (RCC) poles/ Angle Iron Pole/ Angle Iron Pole	52,000	0
	Advance Work Labour Cost (Rs.)	Site Preparation,- site preparation i/c survey & demarcation , Bush Cutting in strips , collection of debris , burning of debris, preparation inspection path, Carriage of fence RCC pole and RCC poles, Digging of holes and Fixing for poles, Stretching & fixing of B/wire	60035	205
	Advance Work Labour Cost (Rs.)	Maint of Nursery for creation and maint. works 1 st and 2 nd year	31450	101
	Creation (Rs.)	Carriage of Plants, Lay out of pits and patches, Pitting & Planting of Plants, Patches & Planting of Herbs, Preparation of strips including (i/c) sowing in strips, Weeding, mulching	49107	158
	Total Establishment Cost (Rs.)		244,687	646

		MAINTENANCE		
Ist year	Maintenance Cost - I Year i/c Material (Rs.)	Nursery maint., Material cost, planting cost & other maint works	41740	117
2nd year	Maintenance Cost - II Year (Rs.)	Nursery maint., Material cost, planting cost & other maint works	22236	61
3rd year	Maintenance Cost - III Year (Rs.)	Nursery maint., Material cost, planting cost & other maint works	17207	44
4 th year	Maintenance Cost - IV Year (Rs.)	Maint. cost of fencing	632	2
5 th year	Maintenance Cost - V Year (Rs.)	Maint. cost of fencing	632	2
6 th year	Maintenance Cost - VI Year (Rs.)	Maint. cost of fencing	632	2
7 th year	Maintenance Cost - VII Year (Rs.)	Maint. cost of fencing	632	2
8 th year	Maintenance Cost - VIII Year (Rs.)	Maint. cost of fencing	632	2
9 th year	Maintenance Cost - IX Year (Rs.)	Maint. cost of fencing	632	2
10 th year	Maintenance Cost - X Year (Rs.)	Maint. cost of fencing	632	2
	Total Maintenance Cost (Rs.)		85607	236
		Total cost of Plantation	330294	
		Cost for 5 ha. =330294x5=	1651470	
	Contingencies@5%		82574	
	Departemental charges @17.50%		289007	
	Total cost		20,23,051/	

8

Dy. Conservator of Forests
Palampur Forest Division
Palampur
Palampur