

## "SCHEME FOR COMPENSATORY AFFORESTATION"

Full Title of the Project : Construction of 33 KV Transmission line overhead/underground 33 KV XLPE 300 SQ. MM Cable from 400 KV GSS Bhadla to HPCL Rajasthan Refinery Limited Nachna district - Jaisalmer

File No. : IP/RAJ/TRANS/152039/2022

Date of Proposal : 09-02-2022

Detail scheme for Compensatory Afforestation to be carried out in lieu of 1.5206 Ha. of forest area to be diverted for Construction of 33 KV Transmission line overhead/underground 33 KV XLPE 300 SQ. MM Cable from 400 KV GSS Bhadla to HPCL Rajasthan Refinery Limited Nachna district - Jaisalmer.

### I. 1. Details of degraded forest land :-

District : JAISALMER Village: CHAK 5-6 SWD

Tehsil : NACHNA NO. 1

Name of Forest Division : I.G.N.P. STAGE-II, JAISALMER Range : Fourth.

Block/ Compartment/ Survey No.: CHAK 5-6 SWD

Area to be afforested: 4.35 ha.

### 2. Description of Area

I) Whether the site selected for Compensatory Afforestation is a land bank or not : **No, its on Forest Land (DFL)**

II) If the CA site is other than the land bank, reasons be given: **No land is diverted in** Construction of 33 KV Transmission line overhead/underground 33 KV XLPE 300 SQ. MM Cable from 400 KV GSS Bhadla to HPCL Rajasthan Refinery Limited Nachna district - Jaisalmer.

**That is why CA will be done at forest land(DFL)**

III) In case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary: **NA**

IV) Soil type : **Sandy Soil**

V) Topography : **Mainly sandy soil with sand dunes all around**

(a) Hilly/Undulating/Plain: Undulated: **undulating**

(b) Slope: Steep/Medium/Gentle: **Medium**

VI) Whether the area is bearing any root stock of vegetation: **No**

### 3. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up to be enclosed: **Enclosed**

### 4. Schedule of Plantation Programme :-

Detail of year wise break up of requirements of funds is as under:-

Year	Area in Ha.	Cost in RS.
	4.35	
0 year		368291
1st Year		344713
2nd Year		234777
3rd Year		161846
4th Year		142003
5th Year		95285
6th Year		88085
7th Year		38298
8th Year		38298
9th Year		38298
10th Year		38298
11th Year		38298
12th Year		38298
<b>Total</b>		<b>1664790</b>

## 5. Technical details:-

Technical details of Compensatory Afforestation Scheme are as follows:- CA on DFL is done by planting 700 plant saplings in pits dug (300 pits during 0 years and 400 Pits during 1<sup>st</sup> year) in fenced area. Fencing is done by RCC Posts, barbed wire and welded wire mesh. Chawkidar is appointed for watch and ward. The rainfall of this area is negligible so more number of watering required to the plants. Model cost norms of CA (DFL) is not applicable to get good results of plantation. Deviated norms for plantation and maintenance are applied.

**General Details :** Proposed DFL is situated near Bharewala-Bhahla Road. Area is undulated having sandy soil. Mainly the area is medium sloppy but some part of area is under steep slope.

**Spacing :** 4 X 3 meter

**Species :** Acacia tortilis, Tecomella undulata .

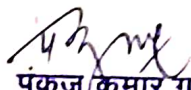
**Plantation Method:** Plantation will be carried out by pits digging method and seedling of suitable species mentioned above will be planted through VFPMC.

**Soil and Moisture Conservation Works :-** Contour trenches will be dug out as per site requirement.

**Protection (Fencing, Watch man, People's Participation etc.):**- Area will be fenced by RCC posts, barbed wire and wire mesh. One Chowkidar for watch & ward will be appointed.

**Proposed Monitoring Mechanism :-** Afforastation work will carry out by VFPMC constituted by villagers through election. Department functionaries provide technical support and monitoring by site inspection at RO, ACF, and DCF level to assess quality of plantation.

**Any other information:-** This site is situated near Bharewala-Bhahla road, and the plantation will be helpful to stabilize the sand dunes.

  
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