

Annexure-19

Compensatory Afforestation Scheme for double degraded area

Proposal for diversion of 25.1315 Ha. of Forest land for laying 765 KV D/C Lakadiya-Banaskantha Transmission line, No.FP/GJ/TRANS/43664/2019, Dt.31/12/2019 under Forest Conservation Act-1980 in Associate General Manager, LAKADIYA-BANASKANTHA TRANSCO LTD. area in Kutch dist. of Gujarat State

Detailed scheme of Compensatory Afforestation for degraded area 51.00 ha. to be carried out in lieu of 25.1315 ha. of forest land to be diverted in Kutch district.

1. Details of degraded land.

Village	Zumkha
Taluka	Bhuj
Range	Bhuj South
District	Kutch
Division	Kutch East
Block/ Patal, Compartment No.	136/pt
Area to be afforested	51.00 Ha.
Working circle	

2. Description of Area.

Soil type	Black & Starey
Topography	Plain
Slope	Medium & Gentle
Whether the area is bearing any root stock of Vegetation	Yes

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Degraded Area.

4. Schedule of Plantation Programme:-

- | | |
|------|---|
| (i) | The Compensatory Afforestation on degraded area would be started by Dy.Conservator of Forest Kutch East Division as early as possible after the proposal is formally approved. |
| (ii) | Compensatory Afforestation will be done in 51.00 ha. area. The total afforestation cost will be about Rs.2,31,60,580/- Associate General Manager, LAKADIYA-BANASKANTHA TRANSCO LTD. has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges). |

5. Technical Details:-

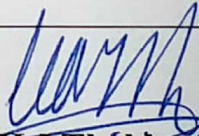
Technical details of Compensatory Afforestation are as Follows:

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Sr. No.	Details	Specifications																				
a	General Details	The C.A. will be taken under Compensatory Afforestation for double land on degraded Forest Areas. The prevailing wage rate is 310.90 per day.																				
b	Spacing	3 X 3 mtr., 1111 plants per ha.																				
c	Species to be planted (No. of plants per ha.)	<table> <tr> <td>Khair</td><td>200</td><td rowspan="8">Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.</td></tr> <tr> <td>Teak</td><td>300</td></tr> <tr> <td>Bamboo</td><td>100</td></tr> <tr> <td>Bahedo, Herde, Aritha</td><td>100</td></tr> <tr> <td>Haldu, Sadad, Arjun Sadad</td><td>100</td></tr> <tr> <td>Bhilamo, Kadayo, Sadad, Tandol etc.</td><td>100</td></tr> <tr> <td>Albizzia, Ficus, Jamun, Anjan, Neem, etc.</td><td>100</td></tr> <tr> <td>Bordi, Karanj, Khakhro & others</td><td>111</td></tr> <tr> <td>Total</td><td>1111</td><td></td></tr> </table>	Khair	200	Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.	Teak	300	Bamboo	100	Bahedo, Herde, Aritha	100	Haldu, Sadad, Arjun Sadad	100	Bhilamo, Kadayo, Sadad, Tandol etc.	100	Albizzia, Ficus, Jamun, Anjan, Neem, etc.	100	Bordi, Karanj, Khakhro & others	111	Total	1111	
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d	Nursery Technique	Nine months old polypot raised plants will be planted at the onset of monsoon.																				
e	Site Preparation	The malformed rootstock present in the area will be cutback & the site will be cleaned in the month of Nov-Dec. Alignment & pit digging 45 x 45 x 45 cms. will be carried out in the month of Dec-Jan.																				
f	Plantation Method	Polypot raised plants will be planted during monsoon.																				
g	Soil & Moisture Conservation Works	(i) Pucca structure like Check dam, check wall, retaining wall Contour trenches 2.00 x 0.45 x 0.30, 300 Nos/ha. will be dug along the contour line. the dug out soil will be heaped on the down ward side. Gully plugging & Nala Banding using The loose stone available in the area will be carried out as per requirement. Seeds of Jatropha, Agave plants ...etc. will be planted during monsoon in the upper side of nala as per suitability.																				
h	Protection Trench	Barbed wire fencing, Seed sowing And planting of cuttings of Ipomea/Glarcidia along the fence																				
i	Silvicultural Operations	1 st year three weeding soil working, Support watering will be provided if needed. 2 nd year two weeding soil working. 3 rd year one weeding soil working.																				
j	Maintenance	It is proposed to maintain the Plantation up to ten years.																				

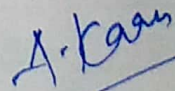
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k	Subsequent silvicultural Operation	Cleaning, cutbacks, thinning etc. (as per species specific requirement) will be carried out at the age as per prescribed in the working plan.
l	Proposed monitoring mechanism	<p>(i) A plantation register is to be maintained.</p> <p>(ii) Monitoring is to be done as per the following norms. Forester – 100% RFO – 100% ACF – 20% DCF – 10%</p> <p>(iii) The results of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of September and March each year.</p> <p>(iv) The collar girth is also to be reordered at the end of each year.</p> <p>(v) At the end of maintenance period, the area is aimed at full stocking and pole crop girth for all the species, except bamboo.</p> <p>(vi) Bamboo would be of the harvestable size by the end of 4th year.</p> <p>(vii) Third party monitoring mechanism is also in the State and if the plantations in the sample selected, it will also be monitored by the third party selected for this purpose.</p>
m	Regeneration cleaning	Cut-back and promotion of root suckers.
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.


(H.J. Thakkar)

Dy Conservator of Forest
Kachchh East Division, Bhuj.

The Compensatory Afforestation scheme at the cost of **Rs.2, 31, 60,580/-** is technically and administrative approved by the undersigned.


Chief Conservator of Forest
Kachchh Circle, Bhuj.