

## Annexure-19

### Compensatory Afforestation Scheme for double degraded area

Proposal for FCA to pass 11KV Line in Khich a LS No.220 (Reserve Forest) 3 New AG Connection of Kishorbhai Valjibhai Donga, Mahendrabhai Valjibhai Donga & Vasantben Gobarbhai Prajapati. FFC grant permission for laying.

Detailed scheme of Compensatory Afforestation to be carried out in lieu of 0.161 ha. of Reserved forest land for laying pass 11 KV line in Khich a LS No.220 3 New AG Connection.

#### 21. Details of degraded land.

|                               |          |
|-------------------------------|----------|
| Village                       | Baria    |
| Taluka                        | Baria    |
| Range                         | Baria    |
| District                      | Dahod    |
| Division                      | Baria    |
| Block/ Patal, Compartment No. | 104 Pt.  |
| Area to be afforested         | 1.00 Ha. |
| Working circle                |          |

#### 22. Description of Area.

|  |               |
|--|---------------|
| Soil type  | Loamy & Rocky |
| Topography   | Plain         |
| Slope  | Gentle        |
| Whether the area is bearing any root stock of Vegetation | Yes           |

#### 23. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Degraded Area.

#### 24. Schedule of Plantation Programme:-

|       |   |
|-------|---|
| (xi)  | The Compensatory Afforestation on degraded area would be started by Dy.Conservator of Forest Baria Division as early as possible after the proposal is formally approved.   |
| (xii) | Compensatory Afforestation will be done in 1.00 ha. area. The total afforestation cost will be about <b>Rs.4,32,904/-</b> Kishorbhai Valjibhai Donga, Mahendrabhai Valjibhai Donga & Vasantben Gobarbhai Prajapati has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges). |

**Details of Year Wise Break-Up requirement of fund is as under**

**Daily / Wages-Rs.310.40**

| Year                                | Area ha | Rate /ha      | Total Amount  |
|-------------------------------------|---------|---------------|---------------|
| O Year 70 %                         | 1.00    | 117894        | 117894        |
| 1 <sup>st</sup> Year (Current Year) | 1.00    | 76807         | 76807         |
| 2 <sup>nd</sup> Year                | 1.00    | 53536         | 53536         |
| 3 <sup>rd</sup> Year                | 1.00    | 43830         | 43830         |
| 4 <sup>th</sup> Year                | 1.00    | 14682         | 14682         |
| 5 <sup>th</sup> Year                | 1.00    | 7785          | 7785          |
| 6 <sup>th</sup> Year                | 1.00    | 8271          | 8271          |
| 7 <sup>th</sup> Year                | 1.00    | 8758          | 8758          |
| 8 <sup>th</sup> Year                | 1.00    | 9243          | 9243          |
| 9 <sup>th</sup> Year                | 1.00    | 9730          | 9730          |
| 10 <sup>th</sup> Year               | 1.00    | 10217         | 10217         |
| <b>Total</b>                        |         | <b>360753</b> | <b>360753</b> |
| Supervision Charge 20 %             | 1.00    | 72151         | 72151         |
| <b>Total</b>                        |         | <b>432904</b> | <b>432904</b> |
| Say                                 |         |               | <b>432904</b> |

## 25. Technical Details:-

Technical details of Compensatory Afforestation are as Follows:

| 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 310.40 per day.  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| b            | Spacement  | 3 X 3 mtr., 1111 plants per ha.  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| c            | Species to be planted<br>(No. of plants per ha.) | <table border="1"> <tr> <td>Khair</td><td>150</td><td rowspan="10">Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.</td></tr> <tr> <td>Kanaj</td><td>100</td></tr> <tr> <td>Sadad</td><td>50</td></tr> <tr> <td>Bamboo</td><td>100</td></tr> <tr> <td>Bordi</td><td>25</td></tr> <tr> <td>Baheda</td><td>25</td></tr> <tr> <td>Mahuda</td><td>50</td></tr> <tr> <td>Amla</td><td>200</td></tr> <tr> <td>Teak</td><td>200</td></tr> <tr> <td>Etc.</td><td>211</td></tr> <tr> <td><b>Total</b></td><td><b>1111</b></td><td></td></tr> </table> | Khair | 150 | Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species. | Kanaj | 100 | Sadad | 50 | Bamboo | 100 | Bordi | 25 | Baheda | 25 | Mahuda | 50 | Amla | 200 | Teak | 200 | Etc. | 211 | <b>Total</b> | <b>1111</b> |  |
| Khair        | 150  | Minimum planting height will be 100 cm. at the time of planting. However it will vary for different species.   |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Kanaj        | 100  |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Sadad        | 50   |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Bamboo       | 100  |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Bordi        | 25   |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Baheda       | 25   |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Mahuda       | 50   |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Amla         | 200  |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Teak         | 200  |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| Etc.         | 211  |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| <b>Total</b> | <b>1111</b>                                      |  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| 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               | <p>(xii) Pucca structure like Check dam, check wall, retaining wall</p> <p>(xiii) 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 &amp; 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.</p>   |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| h            | Protection Trench                                | Barbed wire fencing, Seed sowing And planting of cuttings of Ipomea/ Glarcidia along the fence   |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| i            | Silvicultural Operations                         | <p>1<sup>st</sup> year three weeding soil working, Support watering will be provided if needed.</p> <p>2<sup>nd</sup> year two weeding soil working.</p> <p>3<sup>rd</sup> year one weeding soil working.</p>  |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |
| j            | Maintenance                                      | It is proposed to maintain the Plantation up to ten years.   |       |     |  |       |     |       |    |        |     |       |    |        |    |        |    |      |     |      |     |      |     |              |             |  |




|   |                                    |   |
|---|------------------------------------|---|
| 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>(xxxvi) A plantation register is to be maintained.</p> <p>(xxxvii) Monitoring is to be done as per the following norms.</p> <p>Forester – 100%</p> <p>RFO – 100%</p> <p>ACF – 20%</p> <p>DCF – 10%</p> <p>(xxxviii) 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>(xxxix) The collar girth is also to be reordered at the end of each year.</p> <p>(xl) 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>(xli) Bamboo would be of the harvestable size by the end of 4<sup>th</sup> year.</p> <p>(xlii) Third party monitoring mechanism is also in the State and if the plantation is 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.   |

  
 Dy. Conservator of Forest  
 Baria

The Compensatory Afforestation scheme at the cost of Rs. 4,32,904- (in words) **Four Lacs Thirty Two Thousand Nine Hundred Four Only** is technically and administrative approved by the undersigned.

  
 Dy. Conservator of Forest  
 Baria

**Attested**

  
 Dy. Conservator of Forests  
 Gir (East) Division, Dhari.

## Model-3

## Annexure-3

Zone wise per ha species spectrum for degraded forest areas for Double Degradation area plantation for FCA proposals as also for Campa(CA) project plantations.

- I. Plant population 1111 (3mx3m spacing)
- II. Density 1111 seedling/Ha.
- III. 1st Year replacement 20 % = 222 seedling /Ha.
- IV. 2nd Year replacement 20 % = 222 seedling /Ha.
- V. 3rd Year replacement 20 % = 222 seedling /Ha.
- VI. Total Seedling = 1777 seedling/Ha.
- VII. 1Polyot size : 15cm × 25cm × 200g

Total 1111 plants/ Ha.

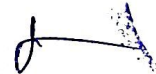
| Sr. No. | Central zone |             |
|---------|--------------|-------------|
|         | Species      | Nos         |
| 1       | Khair        | 150         |
| 2       | Kanaj        | 100         |
| 3       | Sadad        | 50          |
| 4       | Bamboo       | 100         |
| 5       | Bordi        | 25          |
| 6       | Baheda       | 25          |
| 7       | Mahuda       | 50          |
| 8       | Amla         | 200         |
| 9       | Teak         | 200         |
| 10      | Etc.         | 211         |
|         | <b>Total</b> | <b>1111</b> |



(J.L. Jhalal)

Deputy Conservator of Forests,  
Baria.

Attested



Dy. Conservator of Forests  
Gir (East) Division, Dhari.