

**STATEMENT No.15 19**  
**Scheme of Compensatory Afforestation**

Detailed scheme of Compensatory Afforestation to be out in lieu of **8.6779** ha. of forestland to be diverted for  
 Constructing Distributry and minors of Dhrangadhra branch canal ch.0 to 74 km.

**(1) Details of degraded forest land / non-forest land.**

District-KACHCHH      Village-Bhachunda

Taluka -Abdasa

Name of Forest Division Kachchh-Bbij West , Range-NaLiya(S)

Block / Compartment / Survey No. :370/2,370/4 and 370/5

Area to be afforested 8.6779 Ha.

**(2) Description of Area.**

Soil type Murmy

Topography :-Hilly/Plain/

Slope :-Steep/medium/gentle

Whether the area is bearing any root stock or Vegetation -Yes

**(3) Name of Plantation Programme : Compensatory Afforestation -Specially Designed model for Breeding  
 Ground of GIB Eco-Sensitive Zone attach with.**

**(4) Schedule of Plantation Programme :**

The Compensatory/Afforestation on **non-forest** degraded forest land would be started by Dy.Conservator of Forest Normal Division Kachchh West as early as possible after the proposal is formally approved.

Details of Year wise break-up of requirement of fund is as under :

**Manday-Rs.278.30/-**

Year	Area	Rate/Ha.	Total Amount
0 Year	8.6779	99836	866366.82
1st Year	8.6779	53121	460978.72
2nd Year	8.6779	6657	57768.78
3rd Year	8.6779	7619	66116.92
4th Year	8.6779	6979	60563.06
5th Year	8.6779	7445	64606.97
6th Year	8.6779	7910	68642.19
7th Year	8.6779	8375	72677.41
8th Year	8.6779	8840	76712.64
9th Year	8.6779	9306	80756.54
10th Year	8.6779	9771	84791.76
<b>Total</b>		<b>225860</b>	<b>1959990.49</b>
<b>Service charge 20%</b>		45172	391998.10
<b>Grant Total</b>		<b>271032</b>	<b>2351988.59</b>

The User Agency has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).

## Statement No-15 19

## Scheme of Compensatory Afforestation

**Eco-Restoration Plan for wintering/foraging ground 8.6779 hectare of Bhachunda Village  
(Wintering/foraging ground of GIB should have some Shrubland, Scrubland and Grassland)  
Ta-Abdasa, Dist-Kutch, West Division of 8.6779 hectare of area.**

1. **Shrubland** : . 025.0 hectare (Plantation of *Salvadora sp.* 25%, *Zizyphus mauritiana* 25%,  
Scrubland : .025.0 ha. *Capparis* 25%, *Euphorbia* 25%. at the distance of 10 ft x 10ft)
2. **Grassland** . 025.00 hectare Short heighted grass like *Cymbopogon*, *cressa*, lamp will be raised.
3. **Open patch** : . 025.00 hectare (In this patch, whatever natural growth is occurring should be left as it is but invasive species like *P. juliflora* etc. should be removed regularly)  
**Type** : Water supply required for Shrubland, Scrubland, Grassland and Open patch can be maintained on rain.
- Design & technique**
  1. Thorough survey of the area will be conducted
  2. Flora & fauna of the area will be noted down
  3. Depending on the existing diversity/elevation/location; bustard friendly floral species will be selected
  4. Depending on the site, bustard friendly vegetation will be kept in as it is condition
- Species composition** :- *Cymbopogon sp.*, *Zizyphus sp.*, *Capparis sp.*, *Euphorbia sp.*, *Salvadora sp.*
- Area development**
  1. Removal of unwanted species like *P. juliflora* etc.
  2. Ploughing for grassland (max. 15 cm deep) will be done prior to monsoon
  3. For Shrubland/Scrubland saplings should be planted in the pit (1 cft) after the first rainfall. And if required fresh water should be supplied for a year to ensure the growth.
- Providing waterhole** :- One saucer-shaped waterhole having max depth of 1 ft at the centre will be made with cement.
- Seed sowing**
  1. Seed sowing will be done at the distance of 50cm x 50cm Protection
  2. Erection of chain-link fencing along the area boundary will be done.
  3. Fence should be made in such a way that wild mammals can roam in, but, population and movements of feral dogs will be controlled.
- Planting** : Seed sowing will be done at the distance of 50 cm x 50 cm.
- Up keep of the area** : Newly germinated invasive species of weeds will be removed in the first year and after that at certain interval. Regular water supply to the newly planted saplings and waterhole will be ensured.

Date :- /04/2016  
Place :- Bhuj

  
(L.J. Parmar)  
Dy. Conservator of Forest  
Kachchh West Division Bhuj

*technically sanctioned for Rs. 271032/- per ha.*

  
Dy. Conservator of Forest  
Kachchh West Division, Bhuj

Rate Structure for Compensatory Afforestation for the Year 2015-16

Daily Wage : Rs.		278.3																
Sr. No.	SPECIAL KUTCH GIB MODEL	Rate/ha.	0 Year	1st Year	2nd Year	3rd Year	4th Year	5th Year	6th Year	7th Year	8th Year	9th Year	10th Year	Total	20% Add	Grand Total	Remarks	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	19	
1	A	Normal Rate	90760	44268	5121	5442	4653	4653	4653	4653	4653	4653	4653	4653	4653	213875	Degraded Forest areas particularly Undulating and hilly areas.	
	KUCH GIB MODEL	Increased by 10% / yr	99836	53121	6657	7619	6979	7445	7910	8375	8840	9306	9771	225860	45172	271032		

Annex-19

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(L.J. Parmar)  
Dy. Conservator of Forests  
Kachchh West Division, Bhuj

## Compensatory Afforestation Model For Wintering Ground for Great Indian Bustard

Daily wages Rs.278.30								
Sr No	Item of Work	Unit	Qty	Unit rate (Rs.)	Labour (Rs.)	Material (Rs.)	Total	
1	2	3	4	5	6	7	8	
<u>1</u>	<u>0 Year</u>							
a	Uprooting of invasive species (P. juliflora etc)	Ha	1	4362	4362	0	4362	
b	Selective ploughing of the area having poor quality of grass growth (50% of the total area)	Ha	0.50		0	3475	3475	
c	Digging of pits size 30x30x30 cm at 5 x 5m shrub Plantation in 50% area	Ha	0.5 Ha. (200 nos)	479.8276	479.828	0	479.8276	
d	Raising of Nursery	Ha	1	1018	763	255	1018	
e	Chainlink fencing with Iron angle (70%)	Ha	56 rmt	1000/rmt	32570	48855	81426	*
<b>Total (0 year)</b>					<b>38175.3</b>	<b>52585</b>	<b>90760</b>	
<u>1st Year</u>								
a	Chainlink fencing with Iron angle (30%)	Ha	24 rmt	1000/rmt	13958	20938	34896.46	*
b	Maintenance of nursery	Ha	1	437	328	109	437	
c	Preparation of pellets of grass seeds including cost of seed, soil, manure, storage, packing and transportation				778	473	1251	
d	Sowing of grass seed pellets in ploughed area or in gaps just before monsoon				778	0	778	***
e	Planting of shrub (including transporting & 1 weeding soil working )	Ha	0.5 Ha. (200 nos)	2254.19	2181.22	72.92	2254.136	
f	Fire line			290.8955	290.896	0	290.896	
g	Protection / tending operation	Ha	1	3489.746	3489.75	0	3489.426	
h	Contingency				871.687	0	871.6868	
<b>Total (1st year)</b>					<b>22675</b>	<b>21593</b>	<b>44268</b>	
<u>2nd year</u>								
a	Preparation of pellets of grass seeds including cost of seed soil, manure, storage, packing and transportation				153	95	248	
b	Sowing of grass seed pellets in ploughed area or in gaps just before monsoon				153	0	153	
c	Causality replacement & 1 weeding soil working			941	941	0	941	**
d	Fire line	Rmt	100	290.8955	290.896	0	290.896	
e	Protection / tending operation	Ha	1	3488.746	3488.75	0	3488.746	
<b>Total (2nd year)</b>					<b>5026</b>	<b>95</b>	<b>5121</b>	
<u>3rd Year</u>								
a	1 weeding & soil working	Ha	1	788.7166	788.717	0	788.7166	
b	Fire line	Rmt	100	290.8955	290.896	0	290.8955	
c	Protection, maintenance of fencing/ tending operation	Ha	1	4362.432	4362.43	0	4362.3879	
<b>Total (3rd year)</b>					<b>5442</b>	<b>0</b>	<b>5442</b>	
<u>4th Year</u>								
a	Fire line	Rmt	100	291	291	0	291	
b	Protection, maintenance of fencing/tending operation	Ha	1	4362	4362	0	4362	
<b>Total (4th year)</b>					<b>4653</b>	<b>0</b>	<b>4653</b>	

Note:

For the plantation a minimum of 25 ha. plot has to be taken up in a year

\*

As per actual RMT length of chainlink fencing &amp; as per sanctioned Plan / Estimates.

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only 1 weeding / soil working at the end of monsoon season

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Grass species suitable to Great Indian Bustard habitat

Sr No	Item of Work	Unit	Qty	Unit rate (Rs.)	Labour (Rs.)	Material (Rs.)	Total	
1	2	3	4	5	6	7	8	
	<b>5th Year</b>							
a	Fire line	Rmt	100	291	291	0	291	
b	Protection, maintenance of fencing/ tending operation	Ha	1	4362	4362	0	4362	
	<b>Total (5th year)</b>				<b>4653</b>	<b>0</b>	<b>4653</b>	
	<b>6th Year</b>							
a	Fire line	Rmt	100	291	291	0	291	
b	Protection, maintenance of fencing/ tending operation	Ha	1	4362	4362	0	4362	
	<b>Total (6th Year)</b>				<b>4653</b>	<b>0</b>	<b>4653</b>	
	<b>7th Year</b>							
a	Fire line	Rmt	100	291	291	0	291	
b	Protection, maintenance of fencing/ tending operation	Ha	1	4362	4362	0	4362	
	<b>Total (7th year)</b>				<b>4653</b>	<b>0</b>	<b>4653</b>	
	<b>8th Year</b>							
a	Fire line	Rmt	100	291	291	0	291	
b	Protection, maintenance of fencing/ tending operation	Ha	1	4362	4362	0	4362	
	<b>Total (8th year)</b>				<b>4653</b>	<b>0</b>	<b>4653</b>	
	<b>9th Year</b>							
a	Fire line	Rmt	100	291	291	0	291	
b	Protection, maintenance of fencing/ tending operation	Ha	1	4362	4362	0	4362	
	<b>Total (9th Year)</b>				<b>4653</b>	<b>0</b>	<b>4653</b>	
	<b>10th Year</b>							
a	Fire line	Rmt	100	291	291	0	291	
b	Protection, maintenance of fencing/ tending operation	Ha	1	4362	4362	0	4362	
	<b>Total (10th Year)</b>				<b>4653</b>	<b>0</b>	<b>4653</b>	
	<b>Grand Total</b>				<b>103892</b>	<b>74273.27</b>	<b>178164.847</b>	

Date- -04-2016

Place-Bhuj

(L.J.Parmar)

Dy.Conservator of Forests  
Kachchh West Division, BHuj

Anne- 20 & 21

## Land Suitability Certificate

This is to Certify that the Survey.No. 370/pt.2 area 6.3941 ha., Survey.No.370/pt.5 area 1.3113 ha., and Survey.No. 370/pt.4 area 1.9754 ha. (part of total area 3.885 ha.) at the Village: Bhachunda, Ta.Abdasa, Di.Bhuj-Kutch are Suitable for Compensatory Afforastation.

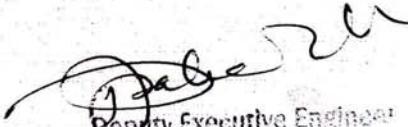
Date : 01/01/2015

Place : Bhuj-kutch

(P.A.Vihol)

Dy.Conservator of Forests  
Kutch West Division, Bhuj

  
D.P. Surendranagar  
1/1/15

  
Deputy Executive Engineer  
S.B.C. Sub. Dn.No. 3/3  
Surendranagar.