

STATEMENT No. 15
Scheme of Compensatory Afforestation

Detailed scheme of Compensatory Afforestation to be out in lieu of **39.7460 ha.** of forest land to be diverted for Construction of **Gas Pipeline by GSPC GAS Co. Ltd. No-301-304,3rd Floor,it Tower-1, Infocity,Gandhinagar.**

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

District-KACHCHH Village-Bhachunda
Taluka -Abdasa
Name of Forest Division Kachchh-Bhuj West , Range-NaLiya(S)
Block / Compartment / Survey No. :346/2,351,356
Area to be afforested-**39.7460 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 : Compansatory Afforestation -Specially Designed model for GIB Eco-Sensitive Zone attetch 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 :

Year	Area	Rate/Ha.	Total Amount
0 Year	39.746	99872	3969512.512
1st Year	39.746	53140	2112102.44
2nd Year	39.746	6660	264708.36
3rd Year	39.746	7622	302944.012
4th Year	39.746	6982	277506.572
5th Year	39.746	7447	295988.462
6th Year	39.746	7913	314510.098
7th Year	39.746	8378	332991.988
8th Year	39.746	8844	351513.624
9th Year	39.746	9309	369995.514
10th Year	39.746	9775	388517.15
Total	39.746	225942	8980290.732
Add charj 20%	39.746	45188	1796042.248
Grant Total	39.746	271130	10776332.98

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

Statement No-15

Scheme of Compensatory Afforestation

Eco-Restoration Plan for wintering/foraging ground 39.7460 hectare of Bhachunda Village
(Wintering/foraging ground of GIB should have some Scrubland and Grassland)

1. **Scrubland** : . 015.0 hectare (Plantation of *Salvadora sp.* 25% , *Zizyphus mauritiana* 25%,
: .015.0 ha. *Capparis* 25%, *Euphorbia* 25%. at the distance of 10 ft x 10ft)
2. **Grassland** : .015.00 hectare Short heighted grass like *Cymbopogon*, *cressa*, *lamp* will
be raised.
3. **Open patch** : . 013.00 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** :- Seed sowing will be done at the distance of 50cm x 50cm Protection :
1. Erection of chain-link fencing along the area boundary will be done.
2. 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
water hole will be ensured.

Date :- /09/2015

Place :- Bhuj

(L.J. Parmar)

Dy. Conservator of Forest
Kutch-West Division Bhuj.

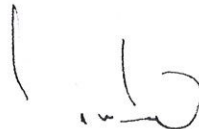
Technically sanctioned for Rs. 274930/per hce.

Chief Conservator of Forest
Kutchh Circle-BHUJ

Land for construction of Gas Pipeline by GSPC GAS Co. Ltd. No-301-304,3rd Floor,it Tower-1,
Infocity,Gandhinagar.

It is certified that an Identified area of 39.7460 ha. Non forest land of Survey
No.346/2,351,356of Village -Bhachunda,Taluka- Abdasa, Dist.Kutch is suitable
for afforestation and Management point of view. for construction of Gas
Pipeline by GSPC GAS Co. Ltd. No-301-304,3rd Floor,it Tower-1,
Infocity,Gandhinagar.

Date :- 30 /03/2015
Place :- Bhuj



(P.A. Vihol)

Dy.Conservator of Forest
Katch-West Division Bhuj

Certified by me.

*(Dy Conservator of Forest)
Kutch (West) Division Bhuj*

Annexure - II								
(Specially designed model for GIB)								
Compensatory Afforestation Model For Wintering Ground for Great Indian Bustard								
	Daily wages Rs.278.40						268	
Sr No	Item of Work	Unit	Qty	Unit rate (Rs.)	Labour (Rs.)	Material (Rs.)	Total	
1	2	3	4	5	6	7	8	
1	0 Year							
a	Uprooting of invasive species (P. juliflora etc)	Ha	1	4364	4364	0	4364	
b	Selective ploughing of the area having poor quality of grass growth (50% of the total area)	Ha	0.50	3476	0	0	3476	
c	Digging of pits size 30x30x30 cm at 5 x 5m shrub Plantation in 50% area	Ha	0.5 Ha. (200 nos)	480	480	0	480	
d	Raising of Nursery	Ha	1	1018	763	255	1018	
e	Chainlink fencing with Iron angle (70%)	Ha	56 rmt	1000/rmt	32582	48873	81455	*
	Total (O year)				38189	49128	90793	
	1st Year							
a	Chainlink fencing with Iron angle (30%)	Ha	24 rmt	1000/rmt	13963	20946	34909	*
b	Maintenance of nursery	Ha	1	437	327	109	436	
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)	2255	2182	73	2255	
f	Fire line			291	291	0	291	
g	Protection / tending operation	Ha	1	3491	3491	0	3491	
h	Contingency				873	0	873	
	Total (1st year)				22683	21601	44284	
	2nd year							
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	291	291	0	291	
e	Protection / tending operation	Ha	1	3490	3490	0	3490	
	Total (2nd year)				5028	95	5123	
	3rd Year							
a	1 weeding & soil working	Ha	1	789	789	0	789	
b	Fire line	Rmt	100	291	291	0	291	
c	Protection, maintenance of fencing/ tending operation	Ha	1	4364	4364	0	4364	
	Total (3rd year)				5444	0	5444	
	4th Year							
a	Fire line	Rmt	100	291	291	0	291	
b	Protection, maintenance of fencing/tending operation	Ha	1	4364	4364	0	4364	
	Total (4th year)				4655	0	4655	

Note:

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

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

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

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
	<u>5th Year</u>						
a	Fire line	Rmt	100	291	291	0	291
b	Protection, maintenance of fencing/ tending operation	Ha	1	4364	4364	0	4364
	Total (5th year)				4655	0	4655
	<u>6th Year</u>						
a	Fire line	Rmt	100	291	291	0	291
b	Protection, maintenance of fencing/ tending operation	Ha	1	4364	4364	0	4364
	Total (6th Year)				4655	0	4655
	<u>7th Year</u>						
a	Fire line	Rmt	100	291	291	0	291
b	Protection, maintenance of fencing/ tending operation	Ha	1	4364	4364	0	4364
	Total (7th year)				4655	0	4655
	<u>8th Year</u>						
a	Fire line	Rmt	100	291	291	0	291
b	Protection, maintenance of fencing/ tending operation	Ha	1	4364	4364	0	4364
	Total (8th year)				4655	0	4655
	<u>9th Year</u>						
a	Fire line	Rmt	100	291	291	0	291
b	Protection, maintenance of fencing/ tending operation	Ha	1	4364	4364	0	4364
	Total (9th Year)				4655	0	4655
	<u>10th Year</u>						
a	Fire line	Rmt	100	291	291	0	291
b	Protection, maintenance of fencing/ tending operation	Ha	1	4364	4364	0	4364
	Total (10th Year)				4655	0	4655
	Grand Total				103929	70824	178229

Date- -09-2015
Place-Bhuj


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

New Scheme for KUTCH-GIB as per APeef Land Letter No-jmn/31/B/4156-58/Dt-20-11-2013

Rate Structure for Compensatory Afforestation for the Year 2015-16

Daily Wage : Rs. 278.4

Daily Wage : Rs. 278.4																	Remarks	
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	
1	2	3	4	5	6	7	8	9	10	11	12	12	14	15	16	17	18	19
1	KUCH GIB MODEL	A	Normal Rate	90793	44284	5123	5444	4655	4655	4655	4655	4655	4655	4655	178229	35646	213875	Degraded Forest areas particularly undulating and hilly areas.
		B	Increased by 10% / yr	99872	53140	6660	7622	6982	7447	7913	8378	8844	9309	9775	225942	45188	271130	

(L.J. Parmar)

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