Compensatory Afforestation Scheme for Non Forest area

Proposal for Samosaran - The World of Harmony at. Un-surveyed forest land of Vanothi Rakhal RF (Mota Asambia), Mandvi-Kutch. (Diversion area: 9.7503 ha.)

(Sri Anil Jain, Administrator, Veerayatan, Vill. Jakhania, Ta. Mandvi, Dist.-Kutch)

Detailed scheme of Compensatory Afforestation for 5.2178 ha. non-forest area to be carried out in lieu of 9.7503 ha. of Forest Land to be diverted in Kutch district.

1. Details of Non Forest Area:

Village	Gajansar	
Taluka	Nakhatrana	
Range	Nakhatrana (West)	
District	Kutch	
Division	Kutch (West)	
Block/ Patal, Compartment No.	Survey No. 205, 206	
Area to be afforested	5.2178 ha. (Out of 9.7503 ha.)	
Working circle		

2. Description of area:

Soil type	Murom
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 Non Forest Area.

4. Schedule of Plantation Programme:

- (i) The Compensatory Afforestation on Non Forest area would be started by Dy. Conservator of Forest, Kutch West Division, Bhuj as early as possible after the proposal is formally approved.
- (ii) Compensatory Afforestation will be done in 5.2178 ha. area. The total afforestation cost will be about Rs.23,84,994/- Sri Anil Jain, Administrator, Veerayatan, Vill. Jakhania, Ta. Mandvi, Dist. Kutch 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:

Sr. No.	Dețails	Specifications								
a	General Details	The Compensatory Afforestation taken for Non Forest area. The prevailing daily wage rate is Rs.324.20 per/day.								
b	Spacement	3 X 3 mtr., 1111 plants per/ha.								
С	Species to be									
	planted (No. of	Gugal 667 Desi Baval 222 Minimum plant height will be								
	plants per / ha.)									
		Gundi (Liyar)	74	cm. at the time of						
		Khijado	74	planting. However it						
		Pilu	74	will vary for different species.						
		Total	1111	different species.						
d Nursery Technique Nine months old polypot raised plants will be plan onset of monsoon.										
е	Site Preparation	Site cleaning of area and 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) SMC structure like Chek day Van talav, Earthen bund, and (ii) Contour trenches 2.00 x 0.45 specific condition will be can Nala Banding using The locuring will be carried out as per receive bavaletc. will be planted side of nala as per suitability.	Loose be x 0.30, in rried out ose stone quirement during	oulder. 300 Nos/ha. as per site t of Gully plugging & e available in the are at. Seeds of Pillu, Des monsoon in the uppe						
h	Protection Trench	Protection trench, Barbed wire planting of cuttings of Desi bava								
i	Silvicultural Operations 1st year three weeding soil working, Support watering provided if needed. 2nd year two weeding soil working. 3rd year one weeding soil working.									
j										
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.								

1	Proposed monitoring mechanism	 (i) A plantation register is to be maintained. (ii) Monitoring is to be done as per the following norms. Forester - 100% RFO - 100% ACF - 20% DCF - 10% (iii) The results of survival etc. are maintained in the plantation register on a periodical basis, which is updated at the end of November and March each year. (iv) The collar girth is also to be reordered at the end of each year. (v) 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.
m	Regeneration cleaning	Soil working around natural regeneration.
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls non forest area.

(Tushar B. Patel)

Dy. Conservator of Forests Kutch West Division, Bhuj

The Compensatory Afforestation scheme at the cost of Rs.23,84,994/- is technically and administrative approved by the undersigned.

Date: 01 / 02/2021

Place: Bhuj - Kutch

Dy. Conservator of Forests Kutch West Division, Bhuj CS Scanned with CamScan

Proposal for Samosaran - The World of Harmony at. Un-surveyed Forest land of Vanothi Rakhal RF (Mota Asambia), Mandvi-Kutch. (Diversion area: 9.7503 ha.)

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(Sri Anil Jain, Administrator, Veerayatan, Vill. Jakhania, Ta.Mandvi, Dist. Kutch)

Increased 10% rate/year with 20 % add Supervision charge of Rate Structure for Compensatory Afforestation scheme for the Year 2020-21

Sr. No.	MODEL No.		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
1	MODEL No-3 Annexure-4(1)	A	Normal Rate	117814.28	66867.15	42931.47	31199.31	10117.26	5081.50	5081,50	5081.50	5081.50	5081.50	5081.50	299418.47	59883.69	359302.16
2			В	Increased 10% rate/ year	129595.71	80240.58	55810.91	43679.03	15175.89	8130.40	8638.55	9146.70	9654.85	10163.00	10671.15	380906,77	76181.35

Date: 61 /62/2021 Place: Bhuj - Kutch

(Tushar B. Patel) Dy. Conservator of Forests Kutch West Division, Bhuj

MODEL No-3 Annexure-4(1)

Proposal for Samosaran - The World of Harmony at. Un-surveyed Forest land of Vanothi Rakhal RF (Mota Asambia), Mandvi-Kutch. (Diversion area: 9.7503 ha.) (Sri Anil Jain, Administrator, Veerayatan, Vill. Jakhania, Ta.Mandvi, Dist. Kutch)

Daily wages: Rs. 324.20

Spacements = 3 m. x 3 m.

1111 seedling / ha.

1st year replacement 10 % = 111 seedling /ha

2nd year replacement 20 % = 111+111 seedling /ha

3rd year replacement 10 % = 111 seedling /ha

Total Seedlings = 1333 seedling /ha

Item of work	Qty.	Labour	Material	Total
1	2	3	4	5
year				
lursery				
a) Cost of soil, ,manure, seeds, water, polythene bag fartillizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casuality replacement)	1222	0.00	1739.48	1739.4
b) labour: Preparation of beds, filling and arranging of bags, showing of seeds, watering shifting, weeding etc.	1222	4251.52	220.40	4471.9
(c) Seedling cost for casuality replacement in one year old (20%)	222	1343.22	401.81	1745.0
d) Seedling cost for casuality replacement in two year old (10%)	111	672.46	200.05	872.5
Total		6267.20	2561.74	8828.9
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers, site preparation.		3194.57	0.00	3194.5
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111 @ 10.95	12154.20	0.00	12154.2
Total	11110	15348.77	0.00	15348.7
(a) Natural fertilizer (Neem cake/ Castor cake)/ Bio fertilizar	1111	0.00	9417.96	9417.9
Total		0.00	9417.96	9417.9
3. SMC Works				*
(a) Check wall/ retaining wall /checkdem (all pucca only) van talav, earthen bund, loose boulder chekdam	L.S.	11348.69	22548.85	33897.5
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.27.00/rmt (300 trench) (according to the site condition)	600 rmt.	16185.02	0.00	16185.0
Total		27533.71	22548.85	50082.5
4. Protection				
(a) Protection trench (1.20m. Length x 0.60m. Width x 1m. Depth)	400 rmt @ 81.65	32629.81	0.00	32629.8
(b) Seed sowing desi bával, khijado, etc or any local species		1053.57	452.67	1506.2
Total		33683.38	452.67	34136.0
Total of 0 year		82833.06	34981.22	117814.2
1st Year				
(a) Maintenance of nursery (April to June)	1222	2989.61	298.40	3288.0
(b) Transport of seedling for plantation	1111	1639.63	339.08	1978.7
(c) Planting with khamna of Min 1 m dia	1111	5040.87	0.00	5040.8
(d) Transport of seediling for casualty replacement	111	174.47	38.99	213.4
(e) 3 weeding cum soil working	1111	19648.49	0.00	19648.4
(f) Support watering 5 times @ 3.25		12559.79	18039.08	30598.8
(g) Protection / tending operation		4065.20	0.00	4065.2
(h) Tending to natural vegetation		1016.30	0.00	1016.3
(i) Contigency		0.00	1017.24	1017.2
Total for 1st year		47134.36	19732.79	66867.1

nd Year				200000000000000000000000000000000000000
a) 2 weeding & soil working		10073.24	0.00	10073.24
b) 20 % Casually replecement, transport and planting	111+111	169.38	844.310	1013.69
c) Natural fertilizer (neem cake / caster cake) etc./ Bio fertilizer	Rs.5/ plant	0.00	9417.96	9417.96
d) Support watering 3 times @ 3.25		7534.18	10823.44	18357.62
(e) Protection / tending operation		4068.96	0.00	4068.96
Total for 2nd year	发展的表现的 对数据数	21845.76	21085.71	42931.47
3rd Year				10071 24
(a) 2 weeding & soil working		10073.24	0.00	10073.24
(b) 10 % Casually replecement, transport and planting	111	84.69	422.15	506.84 9417.96
(c) Natural fertilizer (neem cake / caster cake) etc./ Bio fertilizer	Rs.5/ plant	0.00	9417.96	6119.77
(d) Support watering 1 times @ 3.25		2511.96	3607.81	5081.50
(e) Protection & maintenance of fencing / tending operation	L.S.	5081.50	0.00	31199.31
Total for 3rd year	66-74-72-0-4	17751.39	13447.92	31199.31
4th Year			0.00	5035.76
(a) 1 weeding & soil working		5035.76	0.00	5081.50
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	5081.50		10117.26
Total for 4th year		10117.26	0.00	
5th Year		5081.50	0.00	5081.50
Protection & maintenance of fencing/ tending operation	L.S.		0.00	5081.50
Total for 5th year	1 Sparse Jacobson	5081.50	V.UU	300120
6th Year		5001.50	0.00	5081.50
Protection & maintenance of fencing/ tending operation	L.S.	5081.50		5081.50
Total for 6th year	Ser Carriedado	5081.50	0.00	300120
7thYear			0.00	5081.50
Protection & maintenance of fencing/ tending operation	L.S.	5081.50	and the second s	5081.50
Total for 7th year		5081.50	0.00	5001530
8th Year		*********	0.00	5081.50
Protection & maintenance of fencing/ tending operation	L.S.	5081.50	0.00	5081.50
Total for 8th year		5081.50	0.00	3001.30
9th Year			0.00	5081.50
Protection & maintenance of fencing/ tending operation	L.S.	5081.50	0.00	5081.50
Total for 9th year		5081.50	0.00	208120
10thYear			0.00	5081.50
Protection & maintenance of fencing/ tending operation	L.S.	5081.50	0.00	5081.50
Total for 10th year		5081.50	Cold State of Land	and the second s
Grand Total:		210170.83	89247,64	299418.4

Note :- (1) Seed sowing along fencing / Protection trench towards also in the plot.
(2) Seed showing of desi baval, khijado or any local species (site specific).

Date: 0\ /0212021 Place: Bhuj - Kutch

(Tushar B. Patel) Dy. Conservator of Forests Kutch West Division, Bhuj

As per APCCF, Land, Gandhinagar letter dated: 18/11/2019 & 27/11/2019

Annexure-19

Compensatory Afforestation Scheme for Non Forest area of Model for Habitat development for Great Indian Bustard

Proposal for Samosaran - The World of Harmony at. Un-surveyed Forest land of Vanothi Rakhal RF (Mota Asambia), Mandvi-Kutch. (Diversion area: 9.7503 ha.)

(Sri Anil Jain, Administrator, Veerayatan, Vill. Jakhania, Ta.Mandvi, Dist.Kutch)

Detailed scheme of Compensatory Afforestation for 4.5325 ha. non-forest area to be carried out in lieu of 9.7503 ha. of Forest Land to be diverted in Kutch district.

1. Details of Non Forest Area:

Village	Khanay
Taluka	Abadasa
Range	Naliya (North)
District	Kutch
Division	Kutch (West)
Block/ Patal, Compartment No.	Survey no. 27, 28
Area to be afforested	4.5325 ha.(Out of 9.7503 ha.)
Working circle	

2. Description of Area:

Soil type	Black top soil with Murom
Topography	Plain
Slope	Steep/ Medium/ Gentle
Whether the area is bearing any root stock of Vegetation	Yes

3. Name of Plantation Programme:

Compensatory Afforestation Scheme of Special Model for Great Indian Bustard.

4. Schedule of Plantation Programme:

- (i) The Compensatory Afforestation on Non Forest area would be started by Dy. Conservator of Forest, Kutch West Division as early as possible after the proposal is formally approved.
- (ii) Compensatory Afforestation will be done in 4.5325 ha. area. The total afforestation cost will be about Rs.19,73,131/- Sri Anil Jain, Administrator, Veerayatan, Vill. Jakhania, Ta. Mandvi, Dist. Kutch 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:-

Sr.	Details		Specifications							
No.										
a	General Details	The C.A. plantation model for Great Indian Bustard Protected area will be taken under Compensatory Afforestation for Non Forest Areas. The prevailing wage rate is 324.20/- per day.								
b	Spacement	Grass plantation with 1 shrub/tree/100 sq.mtr.								
С	Species to be planted									
	per ha.	Capparis	66							
		Acacia	66							
		Zizyphus	68							
	ě	Total	200							
		Note:- Capparis species, Acacia species & Zizuphus species of 90 cm. height & 2.5 cm. collar girth will be planted.								
d	Nursery Technique		Preparation of pellets of grass seeds including cost of seed, soil,							
L		manure, storage, packing								
e	Site Preparation	Uprooting of invasive spo								
f	Plantation Method	before monsoon. Plantin weeding soil working).	pellets in ploughed area or in gaps just ng of shrub (including transporting & 1							
g	Soil & Moisture	SMC work (gully plug	s, nallah bunds, earthen bunds, loose							
	Conservation Works	boulder structure etc.)								
h	Chain link fencing	###.l								
) mm wide + 125 mm M.S. 10 gauge)							
		chain link wire + GI angle 50 X 50 X 6 mm (length-2200 mm) at 3 mtr. distance) (As per species Recovery plan guideline).								
i	Silvicultural									
1	Operations	1 st year 1 weeding soil working, Support watering will be provided if needed.								
	operations	2 nd year 1 weeding soil v	working							
		3 rd year 1 weeding soil working.								
j	Maintenance	It is proposed to maintain the Plantation up to ten years.								
k	Subsequent	The second contract of	of fencing/ tending operation							
1 200	Operation	, , , , , , , , , , , , , , , , , , , ,	er remem g remaining operation							
1	Proposed monitoring	(i) A plantation registe	er is to be maintained.							
	mechanism		done as per the following norms.							
		Forester - 1009								
		RFO - 1009								
		ACF - 20% DCF - 10%								
		register on a period	ival etc. are maintained in the plantation lical basis, which is updated at the end of							
		November and Mar	ch each year							
			t & collar girth species wise will be done							
¥1	29	, , , , , , , , , , , , , , , , , , ,	ation & once every year and at the end of							

4		maintenance year in treatment map. (v) Recording stump dressing girth wise and species wise will be recorded. (vi) 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.
m	Regeneration cleaning	Removal of unwanted growth.
n		eme include detail of year wise operation and amount to be incurred.

(Tushar B. Patel)

Dy. Conservator of Forests

Kutch West Division, Bhuj

The Compensatory Afforestation scheme at the cost of Rs.19,73,131/- is technically and administrative approved by the undersigned.

Date: 01 / 02 + 2021

Place: Bhuj - Kutch

(Tushar B. Patel)

Dy. Conservator of Forests Kutch West Division, Bhuj

As per APCCF, Land, Gandhinagar, Lettter No. JMN/31/I3/4156-58/ Dt.20/11/2013

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Proposal for Samosaran - The World of Harmony at. Un-surveyed Forest land of Vanothi Rakhal RF (Mota Asambia), Mandvi-Kutch. (Diversion area: 9.7503 ha.)

(Sri Anil Jain, Administrator, Veerayatan, Vill. Jakhania, Ta.Mandvi, Dist.-Kutch)

Increased 10% rate/year with 20 % add Supervision charge of Rate Structure for Compensatory Afforestation scheme for the Year 2020-21

Daily Wages: Rs.324.20

Sr. No.	MODEL No.		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
1	Special Model of Habitat	A	Normal Rate	167635.77	77793.05	5967.10	6403.59	5420.74	5420.74	5420.74	5420.74	5420.74	5420.74	5420.74	295744.69	59148.94	354893.63
2	development for Great Indian Bustard	В	Increased 10% rate/ year	184399.35	93351.66	7757.23	8965.03	8131.11	8673.18	9215.26	9757.33	10299.41	10841.48	11383.55	362774.59	72554.92	435329.51

Date :- 0/ 102/2021 Place :- Bhuj - Kutch

(Tushar B. Patel) Dy. Conservator of Forests Kutch West Division, Bhuj

As per APCCF, Land, Gundhinsgar, Lettter No. JMN/31/41/4156-58/ Dt 20/11/201

Proposal for Samosaran - The World of Harmony at. Un-surveyed Forest land of Vanothi Rakhal RF (Mota Asambia), Mandvi-Kutch. (Diversion area: 9.7503 ha.) (Sri Anil Jain, Administrator, Veerayatan, Vill. Jakhania, Ta. Mandvi, Dist.-Kutch)

Daily wages Rs.324.20

Sr No	ompensatory Afforestration Scheme of	Unit	Qty	Unit rate (Rs.)	Labour (Rs.)	Material (Rs.)	Total	
		3	4	5	6	7	8	
1	0 Year	-						_
a	Uprooting of invasive species (P. juliflora etc)	Ha	1	5087.04	5082.34	0.00	5082.34	-
b	Selective ploughing of the area having poor quality of grass growth (50% of the total area)	Ha	0.50	4053.11	0.00	4053.11	4053.11	
c	Digging of pits size 30x30x30 cm 1 shrub/ tree/ 100 Sq.mtr.	Ha	0.50 ha. (200 nos.)	559.30	558.78	0.00	558.78	_
	Raising of Nursery	Ha	Ī	1186.56	888.84	296.90	1185.74	_
e	Chainlink fencing (6 feet height + Cement concrete foundation of 500 mm deep X 150 mm wide + 125 mm M.S. 10 guage) chainlink wire + GI angle 50 X 50 X 6 mm (length-2200 mm) at 3 mtr. distance)	На	56 rmt	1500/rmt	62667.53	94088.27	156755.80	*
100	Total (O year)	10.149	海北军主	100	69197.49	98438.28	167635.77	
	1st Year				202.53	107.54	509.82	_
a b	Maintenance of nursery Preperation of pellets of grass seeds including cost of seed, soil, manure, storage, packing and	Ha	1	509.12	382.28 906.59	551.98	1458.57	
с	transportation Sowing of grass seed pellets in ploughed area or in gaps just before monsoon	-			906.59	0.00	906.59	**
d	Planting of shrub (including transporting & 1 weeding soil working)	На	0.50 ha. (200 nos.)	2628.20	2541.17	84.68	2625.85	
	- Pin line			337.67	337.36	0.00	337.36	
e	Fire line Protection / tending operation	Ha	1	4068.80	4065.04	0.00	4065.04	
f g	SMC work (gully plugs, nallah bunds, earthen bunds, loose boulder structure etc.)	Tiu	1000 cmt.	65/cmt.	67889.82	0.00	67889.82	
1000	Total (1st year)	September 1	12.75 E		77028.85	764.20	77793.05	
4000045	2nd year							
a	Preperation of pellets of grass seeds including cost of seed soil, manure, storage, packing and transportation				178.60	110,82	289.42	
Ь	Sowing of grass seed pellets in ploughed area or in gaps just before monsoon				178.60	0.00	178.60	
c	Causality replacement & 1 weeding soil working			1097.70	1096.68	0.00	1096.68	**
d	Fire line	Rmt	100	338.72	338.41	0.00	338.41	
e	Protection / tending operation	Ha	1	4067,75	4063.99	0.00	4063,99	
(1971)	Total (2nd year)	KATEGON	92000	153124	5856.28	110.82	5967.10	
	3rd Year						100	
a	I weeding & soil working	Ha	1 100	983.75	982.84	0.00	982.84	
c	Fire line Protection, maintenance of fencing/ tending operation	Rmt	100	338.72 5087.04	338.41 5082.34	0,00	5082.34	
	Total (3rd year)	12000			6403,59	0.00	6403.59	\vdash
	4th Year	TO AND I		25 (ES) (15%)	0403.39	0.00	0403.39	
а	Fire line	Rmt	100	339.76	339.45	0.00	339.45	
	Protection, maintenance of fencing/tending operation	Ha	1	5085,99	5081.29	0.00	5081.29	
-	Total (4th year)	OR STREET	THE ROOM OF THE PARTY.	100000000000000000000000000000000000000	5420.74	0.00	5420.74	-

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

As per species Recovery plan and As per actual RMT length of chainlink fencing & as per sanctioned Plan / Estimates.

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

Grass species suitable to Great Indian Bustard habitat

_	5th Year						
a	Fire line	Rmt	100	339.76	339.45	0.00	339.45
b	Protection, maintenance of fencing/ tending operation	На	ī	5085.99	5081.29	0.00	5081.29
SY.	Total (5th year)		(Kartelana)	Parkets II	5420.74	0.00	5420.74
	6th Year						
a	Fire line	Rmt	100	339.76	339.45	0.00	339.45
ь	Protection, maintenance of fencing/ tending operation	Ha	1	5085.99	5081.29	0.00	5081.29
	Total (6th Year)	5///3	25		5420.74	0.00	5420.74
	7th Year						
a	Fire line	Rmt	100	339,76	339.45	0.00	339.45
b	Protection, maintenance of fencing/ tending operation	Ha	1	5085.99	5081.29	0.00	5081.29
	Total (7th year)		12/34/2003	18/19/2015	5420.74	0.00	5420.74
	8th Year						
a	Fire line	Rmt	100	339.76	339.45	0.00	339.45
b	Protection, maintenance of fencing/ tending operation	На	1	5085.99	5081.29	0.00	5081.29
	Total (8th year)	40.00	Secret CA		.5420.74	0.00	5420.74
	9th Year						
a	Fire line	Rmt	100	339.76	339.45	0.00	339.45
b	Protection, maintenance of fencing/ tending operation	Ha	1	5085.99	5081.29	0.00	5081.29
	Total (9th Year)				5420.74	0.00	5420.74
	10th Year						
а	Fire line	Rmt	100	339.76	339.45	0.00	339.45
b	Protection, maintenance of fencing/ tending	Ha	1	5085.99	5081.29	0.00	5081.29
200	Total (10th Year)	10.4816	January C.		5420.74	0.00	5420.74
Security 18	Grand Total	n produce a			196431.39	99313.30	295744.69

Date:- Ol /02/2021 Place:- Bhuj - Kutch (Tushar B. Patel)

Dy. Conservator of Forests

Kutch West Division, Bhuj

As per APCCF, Land, Gandhinagar, Lettter No. JMN/31/B/4156-58/ Dt.20/11/2013