

**Compensatory Afforestation Scheme for double degraded area under FCA proposal
 Diversion of 0.315 ha. RF land for Electrification of New 11 KV Overhead Electric Line Passing
 through Kalimbhada Village Taluka-Maliya District-Junagadh Of Gujarat State.**

Daily wages Rs.324.50

Spacemnts = 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				
Polypot size : 15 cm x 25 cm x 200				
Item of work	Qty.	Labour	Material	Total
1	2	3	4	5
0 year				
Nursery				
(a) Cost of soil, ,manure, seeds, water, fertilizer, insecticides, implements, rent of lands. Shade, etc. (including 10 % for casualty replacement)	1222	0	1913	1913
(b) labour : Preparation of beds, filling and arranging of bags,showing of seeds, watering shifting, weeding etc.	1222	4681	243	4924
(c) Seedling cost for casualty replacement in one year old (20%)	222	1479	441	1920
(d) Seedling cost for casualty replacement in two year old (10%)	111	741	221	962
Total		6901	2818	9719
2. Area Development (Land Preparation)				
(a) Survey, cutback and promotion of root suckers		3517	0	3517
(b) Aligment and digging of pits 0.45 X 0.45 X 0.45	1111@ 6.00	10156	0	10156
Total		13673	0	13673
(a) Natural fertilizer (Neem cake/ Castor cake)	1111 @ 5.00	0	10360	10360
Total		0	10360	10360
3. SMC Works				
(a) Check wall/ retaining wall /checkdem (all pucca only)	L.S.	12495	24804	37299
(b) Contour trench 2 M x 45 Cm x 30 Cm as per Rs.17.00/rmt (300 trench)	600 rmt.	9510	0	9510
Total		22005	24804	46809
4. Protection				

(a) Barbed wire fencing	L.S.	3730	37299	41029
(b) Seed sowing and planting of cuttings of Ipomea/ Glarcidia along the fence		1160	499	1659
Total				
Sub Total of 0 year		4890	37798	42688
		47469	75780	123249
1st Year				
(a) Maintenance of nursery (April to June)	1222	3591	359	3950
(b) Transport of seedling for plantation	1111	1970	407	2377
(c) Planting with khamna of Min 1 m dia	1111	6054	0	6054
(d) Transport of seedling for casualty replacement	111	210	46	256
(e) 3 weeding cum soil working	1111	23600	0	23600
(f) Support watering 5 times @ 3.25		15085	21647	36732
(g) Protection / tending operation		4883	0	4883
(h) Tending to natural vegetation		1220	0	1220
(i) Contingency		0	1220	1220
Total for 1st year		56613	23679	80292
2nd Year				
(a) 2 weeding & soil working		13107	0	13107
(b) 20 % Casually replcement, transport and planting	111+111	221	1097	1318
(c) Natural fertilizer (neem cake / caster cake) etc.	Rs.5/ plant	0	12243	12243
(d) Support watering 3 times @ 3.25		9803	14070	23873
(e) Protection / tending operation		5290	0	5290
Total for 2nd year		28421	27410	55831
3rd Year				
(a) 2 weeding & soil working		14115	0	14115
(b) 10 % Casually replcement, transport and planting	111	118	592	710
(c) Natural fertilizer, neem cake etc.	Rs.5/ plant	0	13186	13186
(d) Support watering 1 times @ 3.25		3520	5050	8570
(e) Protection & maintenance of fencing / tending operation	L.S.	7120	0	7120
Total for 3rd year		24873	18828	43701
4thYear				
(a) 1 weeding & soil working		7561	0	7561
(b) Protection & Maintenance of fencing/ Tending operation	L.S.	7630	0	7630
Total for 4th year		15191	0	15191
5thYear				

Protection & maintenance of fencing/ tending operation	L.S.	8139	0	8139
Total for 5th year				
6thYear		8139	0	8139
Protection & maintenance of fencing/ tending operation	L.S.	8647	0	8647
Total for 6th year		8647	0	8647
7thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9156	0	9156
Total for 7th year		9156	0	9156
8thYear				
Protection & maintenance of fencing/ tending operation	L.S.	9663	0	9663
Total for 8th year		9663	0	9663
9thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10172	0	10172
Total for 9th year		10172	0	10172
10thYear				
Protection & maintenance of fencing/ tending operation	L.S.	10681	0	10681
Total for 10th year		10681	0	10681
SUB TOTAL :		229025	145697	374722
The Cost of Supervision/subsequential silvicultureal Operations	20%	45805	29139	74944
		274830	174836	449666

Note :-

- (1) Seed sowing along fencing towards the inner side, and also in the plot.
- (2) Planting of cutting of ipomea//Glarcidia along the fencing towards outer side.

Compensatory afforestation will be done in 1.00 ha. Area.

Total Cost Rs. :4,49,666/-

Compensatory Afforestation Scheme for double degraded area

Diversion of **0.315** ha. Reserved Forest Land to be diverted Proposal for Electrification of New 11 KV Overhead Electric Line Passing through Kalimbhada Village Taluka-Maliya District-Junagadh

Detailed scheme of Compensatory Afforestation for degraded area **1 ha.** to be carried out in lieu of **0.315 ha.** of Reserved forest land to be diverted in Junagadh district.

1. Details of degraded land.

Village	Khageshri
Taluka	Kutiyana
Range	Kutiyana Range
District	Porbandar
Division	Junagadh
Block/ Patal, Compartment No.	589
Areato be afforested	1 Ha.
Working circle	Inland Plantation

2. Description of Area.

Soil type	Black
Topography	Plain/Hilly
Slope	Gentle
Whether the area is bearing any root stock of Vegetation	Vegetation Mainly Prosopis

3. Name of Plantation Programme:-

Compensatory Afforestation Scheme for Degraded Forest Area.

4. Schedule of Plantation Programme:-

(i)	The Compensatory Afforestation on degraded area would be started by Deputy Conservator of Forest Junagadh Forest Division as early as possible after the proposal is formally approved.
(ii)	Compensatory Afforestation will be done in 1 ha. area. The total afforestation cost will be about Rs.4,49,666/- Deputy Engineer, P.G.V.C.L. Maliya S.D. has given an undertaking to pay the cost of Compensatory Afforestation as per the prevailing wages (including the price escalation and supervision charges).


Deputy Conservator of Forests
Junagadh Division, Junagadh

24/8/20

5. 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 324.50 per day.																														
b	Spacement	3 X 3 mtr., 1111 plants per ha.																														
c	Species to be planted (No. of plants per ha.)	<table> <tr> <td>Garmalo</td><td>150</td><td>65cm</td></tr> <tr> <td>Khijado</td><td>100</td><td>65cm</td></tr> <tr> <td>Desi Bavai</td><td>150</td><td>65cm</td></tr> <tr> <td>Bordi</td><td>150</td><td>65cm</td></tr> <tr> <td>Harmo</td><td>100</td><td>65cm</td></tr> <tr> <td>Gundi</td><td>150</td><td>65cm</td></tr> <tr> <td>Charal</td><td>100</td><td>65cm</td></tr> <tr> <td>Arduso</td><td>100</td><td>90cm</td></tr> <tr> <td>Gorad</td><td>111</td><td>50cm</td></tr> <tr> <td>Total</td><td>1111</td><td></td></tr> </table>	Garmalo	150	65cm	Khijado	100	65cm	Desi Bavai	150	65cm	Bordi	150	65cm	Harmo	100	65cm	Gundi	150	65cm	Charal	100	65cm	Arduso	100	90cm	Gorad	111	50cm	Total	1111	
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Total	1111																															
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 (ii) 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.																														
k	Subsequent	Cleaning, cutbacks, thinning etc. (as per species specific requirement)																														

	silvicultural Operation	will be carried out at the age as per prescribed in the working plan.
1	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 plantation is in the sample selected, it will also be monitored by the third party selected for this purpose.</p>
m	Regeneration cleaning	Promotion of root suckers.
n	Silviculture & other activities	Only afforestation aimed plantation will be taken up, as the area falls under degraded forest land.

The Compensatory Afforestation scheme at the cost of **Rs.4,49,666/-** is technically and administrative approved by the undersigned.


Deputy Conservator of Forest
Junagadh Division, Junagadh

24/8/20

year	ha.	rate / ha. at the daily wage per ha.	Total Amount
0 Year	1	123250	123250
1st Year	1	80292	80292
2nd Year	1	55831	55831
3rd Year	1	43701	43701
4th Year	1	15190	15190
5th Year	1	8139	8139
6th Year	1	8647	8647
7th Year	1	9156	9156
8th Year	1	9663	9663
9th Year	1	10172	10172
10th Year	1	10681	10681
Total		374722	374722
20% Supervision charge		74944	74944
Total		449666	449666

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 charge)

Place :Junagadh
Date 24/08/2020


Dy. Conservator of Forests
Junagadh Forest Division Junagadh

Year	Rate / ha. at the daily wage Rs.310.40	Admissible Rate / ha current daily Wage rate 324.50	Admissible total amount as per daily Wages rate Rs. 324.50
70% Adv.Works	82527	86276	86276
30% Adv.Works	35368	36974	36974
0 Year	117895	123250	123250
1st Year	76803	80292	80292
2nd Year	53405	55831	55831
3rd Year	41802	43701	43701
4th Year	14530	15190	15190
5th Year	7785	8139	8139
6th Year	8271	8647	8647
7th Year	8758	9156	9156
8th Year	9243	9663	9663
9th Year	9730	10172	10172
10th Year	10217	10681	10681
Total	358439	374722	374722
20% Supervision charge	71688	74944	74944
Total	430127	449666	449666

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 charge)

Place : Junagadh
Date : 24/08/2020


Dy. Conservator of Forests
Junagadh Forest Division Junagadh

Technically Sanctioned for Rs. 4,49,666/- in words Rs. Four Lakh Fourty Nine Thousand Six hundred Sixty Six rupees only.


Dy. Conservator of Forests
Junagadh Forest Division Junagadh

ATION OF DEGRADED FOREST IDENTIFIDE LAND FOR COMPENSATORY
FORESTATION AGAINST THE PROPOSAL FOR DIVERSION OF 1.00 HA. OF
EST LAND FOR NEW 11 KV OVER HEAD ELECTRICLINE PASSING THORUGH
MBHADA VILLAGE UNDER MALIYA VILLAGE-KHAGESHRI SURVEY NO.
T. TALUKA-KUTUYANA DIST-PORBANDAR, DIVISION-JUNAGADH RANGE-
YANA



SCALE-1 INCH=660 FT

REFERENCES

SURVEY NO.	AREA HA.	FOREST
589PT	160	

AREA TO BE TAKEN FOR COMPASATORY AFFORESTATION AREA -1.00 HA.

Dy. Conservator of Forest
Junagadh Division, Junagadh
2/3/20