

Scheme of Compensatory Afforestation

Annexure No. 19

Detailed Scheme of Compensatory Afforestation to be carried out in lieu of 1.00 Ha. Forest land against R.F. area for 0.0630 Ha. of Forest land for AG application whose proposed line is passing through forest area. Visavadar Range, Junagadh District

1) Details of degraded forest land:

District: **Junagadh** Village **Lashkar Shobavadla**

Taluka: **Visavadar**

Name of Forest Division: **Gir West Division, Junagadh**

Range: **Visavadar Range**

Survey No. : **Survey No.211/1 RF**

Area to be afforested : **1.00 Ha.**

2) Description of area:

i) Soil Type - **Black & Red Sandy soil**

ii) Slope - **Predominantly Flat**

iii) Whether the area is bearing any root stock or vegetation - **Sporadic clumps of Zinzavo (*dicanthium annulatum*) and shrub growth of lantana camara and tree growth of acacia nilotica, prosopis juliflora, acacia senegal,**

3) Name of plantation programme: **Compensatory afforestation scheme for Grass Development in Plain Vidi Area**

4) Scheme of Plantation programme : **Compensatory afforestation**

The Compensatory Afforestation work on forest land will be implemented by Deputy Conservator of Forests, Gir West Division Junagadh as early as possible after the proposal is formally approved.

Detailed year wise break-up of requirement of fund for above scheme as under

Daily wages Rate : Rs. 307.90

Year	Requirement for 1.00 Ha. as per daily wage rate of 307.90
0 Year	550009
1 st Year	177663
2 nd Year	117295
3 rd Year	122879
4 th Year	66743
5 th Year	73409
6 th Year	80749
7 th Year	88824
8 th Year	97707
9 th Year	107477
10 th Year	118225
Total	1600979
Supervision Charge 20 %	320196
Total	1921175


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)

5) Technical Details:-

Technical details of Compensatory Afforestation are as follows:-

a	General Details	Model Compensatory Afforestation Scheme for Grass Development in Plain Vidi Area.
b	Spacing	15 CM X 15 CM
c	Species	Saniyar, Zinzavo, 200 plants on boundary
d	Nursery Technique	Latest Seeds Collected and cleaned to be mixed with FYM and Spread over area after cultivation
e	Site preparation	Ploughing of the area and site cleaning with removal of exotic species.
f	Plantation Method (Size of Pits Plaguig etc.)	Seeds mixed with FYM are planted over the area after cultivation just before monsoon. Support watering must be provided in case of gap in rainfall is over 3 days. 200 plants will be planted on boundary
g	SMC Works	Check dam, Nala Bounding.
h	Protection	Barbed fencing.
i	Silvicultural operation	Grazing should not be allowed. Cutting of grass after second year and every year thereafter.
j	Maintenance	One watchman from planting to end of rainy season (5 months) should be provided.
k	Subsequent silvicultural operation proposed such as cleaning, cutbacks etc. (as per species specific requirement)	Yes.
l	Arrangement for peoples participation (if any) for long term sustenance of the plantations :	Local peoples can participate in auction of grass as per prevailing Practice.
m	Proposed monitoring mechanism	Third party Monitoring as decided by the department.

The Scheme for Ha 1.00 Compensatory Afforestation is Technically sanctioned and administratively approved for Rs. 19,21,175 (in words) Nineteen Lacs Twenty One Thousand One Hundred Seventy Five Only.


 (Dr. Dheeraj Mittal)
 Deputy Conservator of Forests
 Gir West Division, Junagadh

Place : Junagadh
Date : /10/2019

Compensatory afforestation scheme for Grass Development in Plan Vidi Area
Speciment : 0.15 x 0.15 m Approx. 14 kg. Seeds/Ha Total Hac. 1.00

Estimate for 1.00 Hac. Plantation

Density : 44444 seeds/ha

Plants :- 200

Sr. No.	Item of Work	Daily wages Rs.			Labour (Rs.)	Material (Rs.)	Total
		Unit	Qty. (For 1 Hac.)	Unit rate			
1	2	3	4	5	6	7	8
0 Year							
A	Advance Work						
1	cost of Fress seed collection	Kg	14	400		5600	5600
2	Area Development [Land Preparation]						0
	a. Site Cleaning and removal of unwanted growth	MD	10	307.9	3079		3079
	b. Prunning and singling of existing Tree and shrub	Ha.	1	9620		9620	9620
	C. Ploughing of area with heavy plough	Ha.	1	7250		7250	7250
	D. Digging of 200 Pits (45CMx45cmx45cm) at 2 Meter distance at boundary	Nos	200	14.8		2960	2960
	Removal of Unwanted Growth Lantana Etc.	Ha.	1	10500	10500	0	10500
	Construction of Chakdam for SMC	Nos	1	500000	300000	200000	500000
	Nala Bunding	CMT.	20	220	4400	0	4400
	Fencing	Rmt.	400	16.5	6600	0	6600
	Sub total of advance work				324579	225430	550009
1st year							
	Tending						
1	Cost of 220 Plants of Local Species (20CMx 30CM)	Nos	220	20.6		4532	4532
2	Cost of farm yard manual 100QT./ HA	Qtl	100	450		45000	45000
3	Cost of Neem coated Uria 150KG/ HA	kg	150	6.5		975	975
4	Cost of application of Ferti. & chemicals	MD	10	334.62	3346		3346
5	Plantation after light ploughing with grass seeds and Vermi compost	Ha.	1	4900		4900	4900
6	Planting of 200 Seedlings at boundary	Nos	200	20.6		4120	4120
7	3Weedings and soil working	Ha.	200	3.7	740		740
8	Planting of Casuality	Nos	20	20.6	412		412
9	Planting of grass pallets in causulity areal	MD	10	334.84	3348		3348
10	support watering	Per ha Per time	1 (9 Times)	6356	30603	29460	60063
11	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	334.84	50226		50226
12	Cost for seed collection (to be used for next year)	KG	14	400		5600	5600
	Sub Total for Current year				88676	88987	177663
2nd year							
1	Cost of sowing of grass seed/seedling	MD	2	367.84	736		736
2	support watering	Per ha Per time	1 (9 Times)	6356	30603	29460	60063

Sr. No.	Item of Work	Daily wages Rs.			307.90		
		Unit	Qty. (For 1 Hac.)	Unit rate	Labour (Rs.)	Material (Rs.)	Total
3	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	367.84	55176		55176
4	Cost for seed collection (to be used for next year)	Kg	3	440		1320	1320
	Sub Total for Second year				86515	30780	117295
3rd year							
1	Cost of sowing of grass seed	MD	2	404.58	809		809
2	support watering	Per ha Per time	1 (9 Times)	6356	30603	29450	60063
3	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	404.58	60687		60687
4	Cost for seed collection (to be used for next year)	Kg	3	440		1320	1320
	Sub Total for Third year				92099	30780	122879
4th year							
1	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	444.95	66743		66743
	Sub Total for 4th year				66743	0	66743
5th year							
1	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	489.39	73409		73409
	Sub Total for 5th year				73409	0	73409
6th year							
1	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	538.33	80749		80749
	Sub Total for 6th year				80749	0	80749
7th year							
1	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	592.16	88824		88824
	Sub Total for 7th year				88824	0	88824
8th year							
1	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	651.38	97707		97707
	Sub Total for 8th year				97707	0	97707
9th year							
1	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	716.52	107477		107477
	Sub Total for 9th year				107477	0	107477
10th year							
1	Upkeep of the 1 Ha. Area For Fencing Protection ETC	MD	150	788.17	118225		118225
	Sub Total for 10th year				118225	0	118225
	Total				1225002	375977	1600979
	20% supervision charges						320196
	Grand total						1921175

Annexure - 1

Proposed area for double degradation afforestation as well as for CAMPA (CA) projects for barren degraded forest areas

S.No.	Name of FCA proposal Division	Proposed territorial divisions for double degradation afforestation	Remarks
1	2	3	4
1	Gir (West) Division, Junagadh	Gir (West) Division, Junagadh	

[Signature]

Deputy Conservator of Forests
Gir (West) Division, Junagadh

Date: /10/2019

Date: Junagadh

Annexure -3

Compensatory afforestation scheme for Area Development in Plan Vidi Area
 Speciment : 0.15 x 0.15 m Approx. 14 Lg. Seeds/Ha Total Hac. 1.00

Estimate for 1.00 Hac. Plantation

Density : 444444 seeds/ha

Plants :- 200

Sr. No.	Item of Work	Daily wages Rs.			307.90	Material (Rs.)	Total
		Unit	Qty. (For 1 Hac.)	Unit rate	Labour (Rs.)		
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0 Year							
A	Advance Work						
1	cost of Fress seed collection	Kg	14	400		5600	5600
2	Area Development (Land Preparation)						0
	a. Site Cleaning and removal of unwanted growth	MD	10	307.9	3079		3079
	b. Prunning and singling of existing Tree and shrub	Ha.	1	9620		9620	9620
	c. Ploughing of area with heavy plough	Ha.	1	7250		7250	7250
	D. Digging of 200 Pits (45CMx45cmx45cm) at 2 Meter distance at boundary	Nos	200	14.8		2960	2960
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1st year							
	Tending						
1	Cost of 220 Plants of Local Species (20CMx 30CM)	Nos	220	20.6		4532	4532
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