

CHECK LIST SERIAL NUMBER : 18
“SCHEME FOR COMPENSATORY AFFORESTATION”

Full Title of the Project : Permission for Running of existing gaushala in forest land , lakhawa distt. kota (rajasthan)

File No. :- FP/RJ/Others/25462/2017

Detail scheme for Compensatory Permission for Running of existing gaushala in forest land , lakhawa distt. kota (rajasthan) Afforestation to Kota district.

1. Details of Non forest land :-

District- kota ,Village- kherli Nonera, Teshil Pipalda
Khasara No- 42,173,174,40,10

Description of Area

- I) Whether the site selected for Compensatory Afforestation is a land bank or not : Not
- II) Soil type : gravel & boulders.
- III) Topography
(A)Hilly/Undulating/Plain-Plain
(B) Slope: Steep/Medium/Gentle: Gentle
- IV) Whether the area is bearing any root stock of vegetation :- Yes

2. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up will be uploaded later.

3. Schedule of Plantation Programme :-

Detail of year wise break up of requirements of funds is as under:-: Estimate Attached

4. Technical details:- Technical details of Compensatory Afforestation Scheme are as follows:-

- a) Spacing : 3 meter X 3 meter)
- b) Species :- Khair, Churel, Ber, Amla, Amaltas, etc.
- c) Plantation Method : Using the ANR Model (Plantation of NFL)
- d) Soil and Moisture Conservation Works :- LSCD, Gabians, staggered Contour Trenches and Continidurs Contour tenches, Pakka check dam and W.H.S..
- e) Protection (Fencing, Watch man, People's Participation etc.): - The area will be fenced and protected through EDC. A watch man will be deployed for protection.
- f) Proposed Monitoring Mechanism :- Annual survival percentage and evaluation in month of June will be done every year. Complete, remedial measures will be taken in the coming monsoon season.
- g) Any other information:- Nil

Model Cost estimate for compensatory afforestation

ON ALLOTTED NON FOREST LAND

Unit in ha - 4.69 Ha
 PERIMETER -
 LABOUR RATE - 252/Day
 COST- ESTIMATE : IN Rs/Ha

YEAR 0-ADVANCE ACTION

Sl no	Item of works	unit	Rate/U nit(RS)	Quantity	Labour cost	Material cost	Total
1	Survey of area layout & alignment for fencing ,marking of segments	Ha	84.03	4.69	394	0	394
2	Preparation of plantation record plantaion cards,estimates,journals etc.	Ha	227.8	4.69	1068	0	1068
3	Fencing-by stone wall size (0.80+0.60/2)x1.20	cum	383.17	1984.92	760562	0	760562
4	cost of raising 5675 seedling	plant	3.93	5675	22303		22303
5	Digging up 1876 rmt staggered contour trenches 45x45cm cross section on middle slopes and Vditch as per site	RMT	25.82	1876	48438.3		48438
6	Digging of 2345 pits of size 0.45x(0.4+0.5/2)2 cum hard soil upto 10% boulders	pit	14.87	2345	34870		34870
7	In situ soil & moisture conservation measures like cheak dams/ earthan/ brushwood	prorata					3447
8	Construction of the pillars of appropriate size and fixing the iron pipe gate with four square column	prorata					835
9	construction of approach road / inspection path	prorata					1304
10	Watch & ward for 4 month	prorata					6800
11	Construction of cattle Guard hut	prorata					1031
12	cost of collection and purchase of grass and other seeds of tree and shrubs	prorata					1140
13	Labour amenities	prorata					834
14	Purchase of tools& plants.	prorata					516

15	Purchase or construction of water storage Tank	prorata						
16	purchase of sing Board & Fixing of sing Board	prorata						596
17	Miscellaneous and unforeseen expenditure	prorata						581
Total 0-ADVANCE ACTION								1468
21	administrative charges 10%							886187
Total								88618
								974805

YEAR 1-PLANTING YEAR

sl no	item of works	unit	Rate/Unit(RS)	Quantity	Labour cost	Material cost	Total
1	Digging of 2814 pits of size 0.45x(0.4+0.5/2)2 cum hard soil upto 10% boulders	pits	14.87	2814	41844		41844
2	In situ soil & moisture conservation measures like cheak dams/ earthan/ brushwood	prorata					16021
3	maintenance of 5675 seedling in nursery	plant	2.11	5675	11974		11974
4	Restoration of natural regeneration by making crescent shapad mounts on the lower slopes of seedling and sapling and making ring tranches around the natural trees/shrubs (150 plant/ha)	plant	6.93	290	2010		2010
5	sowing of pellats of grass/piece of seed mud cakes of gress seeds between row of pits by ploughing and furrowing	prorata					4905
6	sowing/dibbling of seeds of grass/thrny trees species on the mounds of countour trench and ditch fencing including pretreatment of seeds	rmt	0.62	4239	2628		2628
7	transportation of 5159 plants from nursery to planting site 15 km	plant	2.47	5159	12743		12743
8	planting of 5159 seedling including refilling of pits	plant	5.53	5159	28529		28529
9	making of 5159 crescent shaped mounds below planted sapling after planting and dibbling of 3 seeds of thorny tree species modal acording	plant	3.16	5159	16302		16302
10	spot watering & application of insection in 5159 plants at the time of planting	plant	3.16	5159	16302		16302

11	Weeding and hoeing of plants with repairing plant mounds -2 times	plant	4.03	10318	41582		41582
12	one additional hoeing of 5159 plants	plant	2.76	5159	14239		14239
13	Weeding on countour trenches and V ditch and spacement/singling	rmt	2.38	1876	4465		4465
14	Purchase of fertilizers / pesticides/organicmanure	plant	0.53	5159	2734		2734
15	raising of 516 seediling in nursery for casuality replacement in year-2 (10% of 1348)	seediling	3.94	516	2033		2033
16	Watch & ward for 12 month	months	6552	12	78624		78624
17	Lauber Amenitiess	prorata					1027
18	Repair of fencing	prorata					1125
19	Repair of check dams	prorata					417
20	Miscellaneous and unforeseen expendituer including additional watering	prorata					1285
Total Year 1							300790
21	administrative charges 10%						30079
Total							330869

YEAR 2-MAINTENANCE YEAR

sl no	item of works	unit	Rate/U nit(RS)	Quantity	Labour cost	Material cost	Total
1	maintenance of 516seediling in nursery for casuality replacement in year-2	plants	2.11	516	1089		1089
2	casuality replacement 135 plants including redigging of pits transportation planting watering and application of insectiones	plants	11.55	516	5960		5960
3	sowing/dibbling of seeds of grass/thrny trees species on the mounds of countour trench and ditch fencing including pretreatment of seeds	rmt	0.62	868	538		538
4	Weeding and hoeing of plants with repairing plant mounds -2 times	plant	4.03	10318	41582		41582
5	Weeding onstaggered/ countour trenches and V ditch and spacement/singling	rmt	2.38	868	2066		2066
6	Repair of fencing	prorata					1125

7	Repair of check dams	prorata					811
8	purning of tree species to boost up the growth	prorata					1210
9	Watch & ward for 12 month	months	6552	12	78624		78624
10	Miscellaneous and unforeseen expendituer including additional watering	prorata					990
Total Year 2							133994
11	Administrative charges 10%						13399
Total							147393

SUBSEQUENT MAINTENANCE YEAR 3 TO 12


sl no	item of works	unit	Rate/U nit(RS)	Quantity	Labour cost	Material cost	Total
1	sowing/dibbling of seeds of grass/thrny trees species on the mounds of countour trench and ditch fencing including pretreatment of seeds	rmt	0.62	868	538		538
2	Repair of fencing	prorata					1125
3	Repair of check dams	prorata					70
4	purning of tree species to boost up the growth	prorata					590
5	Watch & ward for 12 month	months	6552	12	78624		78624
6	Miscellaneous and maintinance of vhical	prorata					999
Total Year 2							81946
7	Administrative charges 10%						8194
Total							90140


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GRAND TOTAL

1	ADVANCE ACTION	YEAR 0	974805
2	PLANTATION YEAR	YEAR 1	330869
3	MAINTENANCE YEAR	YEAR 2	147393
4	MAINTENANCE YEAR	YEAR 3	90140
5	MAINTENANCE YEAR	YEAR- 4	90140
6	MAINTENANCE YEAR	YEAR- 5	90140
7	MAINTENANCE YEAR	YEAR- 6	90140
8	MAINTENANCE YEAR	YEAR- 7	90140
9	MAINTENANCE YEAR	YEAR- 8	90140
10	MAINTENANCE YEAR	YEAR- 9	90140
11	MAINTENANCE YEAR	YEAR- 10	90140
12	MAINTENANCE YEAR	YEAR- 11	90140
13	MAINTENANCE YEAR	YEAR- 12	90140
		TOTAL	2354468
		SAY	2354470

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