

full title of the project :- Construction of Road From Neemla to Dagota, District Jaipur (Rajasthan)

File No. :-FP/RJ/ROAD/404946/2022

Date of Proposal :- 16.03.2023

“SCHEME FOR COMPENSATORY AFFORESTATION”

Details scheme for Compensatory Afforestation to be carried out in lieu of 3.5568 Ha. of forest area to be diverted for construction of road from Neemla to dagota district Jaipur (Rajasthan) Details of degraded forest land :-

District :- Jaipur

Village :- Dantli

Tehsil : Andhi

Name of Forest Division :-Jaipur Wildlife

Range :- Raisar

Area :- 3.4764 Ha.

Description of Area

I) Whether the site selected for Compensatory Afforestation is a land bank or not:- No

II) If the CA site is other than the land bank reasons be given :- Land Bank not available

III) In Case of non forest area identified for CA, then what is the distance of CA site from the adjoining forest boundary :- 0 mtrs.

IV) Soil type :- Hard soil with boulders 10 to 30%

V) Topography:-

(a) Hilly/Undulating/Plain :- Hilly

(b) Slope:- Steep/Medium/Gentle:- Medium

VI) Whether the area is bearing any root stock of vegetation :- No

1. Plantation Model:-

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up to be enclosed

2. Schedule of Plantation Programme

Details of year wise break up of requirements of funds is as under:-

Year	Amount
0 Year	1069080.57
1 Year	565401.69
2 Year	262103.17
3 Year	141645.91
4 Year	95966.02
5 Year	110831.18
6 Year	103301.22
7 Year	103301.22
8 Year	103301.22

9 Year		103301.22
10 Year		103301.22
11 Year		103301.22
12 Year		103301.22
Total		2968137.08
Say		2968137

3. Technical Details:-

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details:- Due to grazing and other biotic factor forest vegetation in this area is long been absent so by afforestation will be done by seedling.
- Spacing :- The spacing varies with species and in the same species with local conditions the spacing in this area will kept as 4mX3.5m means lines are 4m apart and plants are 3.5m apart.
- Species:- As per suitability of the species to the soil and moisture conditions of the proposed plantation area mainly indigenous species will preferred like *Acacia leucophloea*, *Acacia nilotica*, *Azadirachta indica*, *Zyzphus* spp etc.
- Plantation Method:- Planting of seeding purchased/raised in nursery with a ball of nursery soil.
- Soil and Moisture Conservation Works:- In the plantation area as per topography 1390 rmt contour trench of size 0.45mX0.45m for soil and moisture conservation works will be dug out.
- Protection (Fencing, Watch man, People's Participation etc.) Depending on local conditions 1018 Rmt Stone wall fencing size (0.80+0.60)/2mX1.20m will be made and with the help of EDC sensitization a watchman will kept to watch and ward the plantation area.
- Proposed Monitoring Mechanism:- After plantation range forest officer, A.C.F. and D.C.F. will monitor the area to make plantation successful.
- Any other information:- With the help of EDC and forest staff Planting and protection activities will be carried out.


 Deputy Conservator of Forest
 Wildlife Jaipur

OFFICE OF THE DEPUTY CONSERVATOR OF FORESTS WILDLIFE, JAIPUR
DETAILED NFL ESTIMATE ADVANCE ACTION- 0 (Year)YEAR

NAME OF SITE- "Widening and Strengthening of Mahngi to Dudhli Mod Via Bhawani, Bhawani Khurd, Saipur, Andhi, Sriramnagar, Virasna, Gaonli, Newal Maksundanpura,				VILLAGE-DANTALI		
PROPOSAL No.- FP/RJ/ROAD/404946/2022				NAME OF RANGE - RAISAR		
NAME OF DIVISION - DCF WL Jaipur				No. of Plants -3477		
NAME OF THE FOREST BLOCK -				NAME OF TEHSIL - ANDHI		
TOTAL AREA - 3.4764				LABOUR RATE - Rs.285/Day		
S.No	Name of Item	BSR/ ITEM NO	Unit	Qty.	Rate	Amount (In Rupees)
1	Survey of area, demarcation and lay out	CCF Jaipur/2.1.1	Hectare	3.476	159.56	554.69
2	Stone wall fencing random rubble loose stone fencing of size 0.80m at base, 0.60m at top and 1.20m in height(rates are for volume including voids) lead is less than 200 metres 1018 RMT	CCF Jaipur/2.2.1 .1	Cum	855.1	437.27	373918.32
4	Lay out of excavation of pits	CCF Jaipur/4.1	Pits	1777	1.08	1919.16
5	Lay out of excavation of contour trenches	CCF Jaipur/3.1	Rmt	870	1.08	939.60
6	Digging of staggered trenches (SGT)Size (0.45x0.45x0.45) cubic metre in Hard soil between 10-30% boulders 1390 RMT	CCF Jaipur/3.2.4	Cum	281.475	187.39	52745.60
	Layout of Pits	CCF Jaipur/4.1	Per Pit	1.080	1777.00	1919.16
7	Digging of pits of size [0.50+0.40]/2x0.45m	CCF Jaipur/4.2				0.00
8	Hard soil between 10-30% boulders	CCF Jaipur/4.2.4	Pits	1777	17.47	31044.19
11	Construction of checkdams by loose stone including digging and breaking of stones(rates are for volume including voids)	CCF Jaipur/3.7				0.00
12	Lead upto 200 metres	CCF Jaipur/3.7.1	Cum	300	324	97200.00
13	Collection and purchase of grass and other seeds		L.\$.			0.00
14	Dhaman grass	CCF Jaipur/1.22.	Kg	100	168.19	16819.00
15	Kumtha	1.22.14	Kg	50	136.75	6837.50
16	Raising of 1100 plants(1000+ 10% extra) per Hectare for 3.4764 Ha	As per model	Plant	3824	42.58	162825.92
17	Path for vehicles Hilly area	CCF Jaipur /8.1.1	SQM	500	8.23	4115.00
18	Construction of thatched cattle guard hut	LS				50000.00

19	Gate pillar and side wall constration, arth work in excavation by machanical means(hydrolic excavator)/ manual means in foundation tranches or drains(not exceedling 1.5 meter in width in or 10 sqm meter on plan) including dressing of sides and remming of bottem, lift upto 1.5m, including taking out (1) piller $2 \times 0.75 \times 0.75 = 0.84$ (2) wall $1.20 \times 0.60 \times 0.60 = 0.43$ Total= $0.84+0.43=1.27$	PWD/B-1.8	cum	1.27	178	226.06
20	Random rubble stone masonry for with hard stone in foundation and plinth in cement send mortar above 30 cem thick wall in cement mortar 1:6 (1 cement :6 sand) (1) piller $2 \times 0.75 \times 0.75 = 0.84$ (2) wall $1.20 \times 0.60 \times 0.60 = 0.43$ Total= $0.84+0.43=1.27$	PWD/B-6.1.6	cum	1.27	2838	3604.26
21	Random rubble stone masonry with hard stone in super structure above plinth level and upto five level 30cm thick wall in: cement mortar 1:6 (1) piller $2 \times 0.60 \times 0.60 \times 1.50 = 1.08$ (2) wall $1.20 \times 0.45 \times 1.20 = 0.64$	PWD/B-6.2.6	cum	1.72	3479	5983.88
22	Plaster on new surface on wall in cement sand mortar 1:3 including racking of joints etc. complete fine finish:25mm thick (1) pillar $2 \times 4 \times 0.60 \times 1.50 + 2 \times 0.60 \times 0.60 = 7.92$ (2) wall $2 \times 1.20 \times 1.20 + 1 \times 1.20 \times 0.45 = 3.42$	PWD/B-12.1.1	sqm	11.34	242	2744.28
23	Constration of Gate and fixing of sign board		L.S.			15000.00
25	Misc. and unforeseen expences in including running of vehicles froast protection, micro plan and administrative charges etc.					240683.94
Total						1069080.57

ESTIMATE - Year-1(PlantingYear)YEAR

S.N o.	Name of Item	BSR/ ITEM NO	Unit	Qty.	Rate	Amount (In Rupees)
1	Collection of data regarding impact assessment and strengthening Joint Forest Management	Model	Hectare	3.476	1437.8	4998.37
2	Lay out for excavation of pits	CCF Jaipur/4.1	Pits	1700	1.08	1836.00
3	Digging of pits of size $[0.50+0.40]/2 \times 0.45m$	CCF Jaipur/4.2				0.00
4	Hard soil between 10-30% boulders	CCF Jaipur/4.2.4	Pits	1700	17.47	29699.00
5	Maintenance of 1000 plants(1000+ 10% extra) per Hectare for 3.4764 Ha that is 1100 Plants	LS	Plant	3824	10	38240.00
6	Restoration of Natural regeneration by making crescent shaped mounds on the lower slopes of seedlings saplings and making ring trenches around the natural trees/shrubs	Model	Hectare	3.476	1425	4953.87
7	Sowing of pellets of grass/grass slips between row of pits by ploughing and furrowing	Model	Hectare	3.476	1179.3	4099.72

8	Sowing/dibbling of seeds of shrubs/tree species	Model	Hectare	3.476	255.29	887.49
9	Sowing of seeds on trenches in two lines - 1390x2=2780 Rmt	CCF Jaipur 5.2.5	RMT	2780	0.8	2224.00
10	Transportation upto 3 kilometre by mechanical means including loading unloading of plants	CCF Jaipur 6.2.3.7, 6.2.4.7,	Plant	3477	7.74	26911.98
11	Treatment of pit soil with insecticide	CCF Jaipur 6.3.1	Plant	3477	0.61	2120.97
12	Planting of plant complete , pressing of soil etc	CCF Jaipur 6.3.3.1.3	Plant	3477	10.5	36508.50
13	Making thawala around plants stony hilly area	CCF Jaipur 6.4.3	Plant	3477	10.3	35813.10
14	Two waterings upto 3 km	CCF Jaipur 6.5.3.1, 6.5.3.2	Plant	6954	10.51	73086.54
15	Two hoeing of plants 2166x2	CCF Jaipur 6.6.2	Plant	6954	3.14	21835.56
16	Two Weeding and hoeing on contour trenches 2x1390 rmt	CCF Jaipur 6.6.4	RMT	2780	5.02	13955.60
17	Two weeding and hoeing of plants	CCF 6.6.1.2	Plant	6954	5.83	40541.82
18	Purchase/Raising of 216 seedlings for replacement	Model	Plant	348	42.58	14817.84
19	Watch and ward		month	12	7410	88920.00
20	Misc. and unforeseen expences in including running of vehicles frost protection, micro plan and administrative charges etc.					123951.33
Total						565401.69

ESTIMATE Year-2(First Year Maintenance)

S.N o.	Name of Item	BSR/ ITEM NO	Unit	Qty.	Rate	Amount (In Rupees)
1	Collection of data regarding impact assessment and strengthening Joint Forest Management	Model	Hectare	3.476	77.46	269.28
2	Maintenance of 216 seedlings for replacement	Model	Plant	348	6.92	2408.16
3	Casualty Replacement of 216 plantsincluding redigging of pits, transportation, planting, watering	Model	Plant	348	14.75	5133.00
4	Sowing of seeds on trenches	CCF Jaipur 5.2.5	RMT		0.8	0.00
5	Sowing of pellets of grass/grass slips between row of pits by ploughing and furrowing	Model	Hectare	2.166	1179.3	2554.36
6	Sowing/dibbling of seeds of shrubs/tree species	Model	Hectare	3.476	255.29	887.49
7	Transportation upto 3kilometre by mechanical means including loading unloading of plants	CCF Jaipur 6.2.3.7, 6.2.4.7,	Plant	348	7.74	2693.52

8	Treatment of pit soil with insecticide	CCF Jaipur 6.3.1	Plant		348	0.8	278.40
9	Planting of plant complete , pressing of soil etc	CCF Jaipur 6.3.3.1.3	Plant		348	10.5	3654.00
10	Making thawala around plants stony hilly area	CCF Jaipur 6.4.3	Plant			10.3	0.00
11	Two waterings	CCF Jaipur 6.5.3.1, 6.5.3.2	Plant		6954	10.51	73086.54
12	Two hoeing of plants	CCF Jaipur 6.6.2	Plant		6954	3.14	21835.56
13	Two Weeding and hoeing on contour trenches	CCF Jaipur 6.6.4	RMT		2780	5.02	13955.60
14	Two weeding and hoeing of plants	CCF 6.6.1.2	Plant		6954	5.83	40541.82
15	Pruning of plants upto 2 metres one time	CCF 8.4.1.1	Plant		1000	2.55	2550.00
16	Repair of Fencing	Model			3.476	271.17	942.70
17	Watch and ward		month		12	7410	88920.00
19	Misc. and unforeseen expences in including running of vehicles frost protection, micro plan, etc.						2392.74
Total							262103.17

ESTIMATE Year 3(Second Year Maintenance)

S.N o.	Name of Item	BSR/ ITEM NO	Unit	Qty.	Rate	Amount (In Rupees)
1	Collection of data regarding impact assessment and strengthening Joint Forest Management	Model	Hectare	3.476	77.46	269.28
2	Sowing of seeds on trenches	CCF Jaipur 6.3.1	RMT	1390	0.8	1112.00
3	Repair of Fencing	Model		3.477	271.17	942.80
5	Pruning of plants upto 2 metres one time	CCF 8.4.1.1	Plant	3477	2.55	8866.35
6	Watch and ward		month	12	7410	88920.00
7	Misc. and unforeseen expences in including running of vehicles frost protection, micro plan, etc.					41535.47
Total						141645.91

ESTIMATE Year 4(Third Year Maintenance)

S.N	Name of Item	BSR/ ITEM	Unit	Qty.	Rate	Amount (In
5	Pruning of plants upto 2 metres one time	CCF 8.4.1.1	Plant	1500	2.55	3825.00
6	Watch and ward		month	12	7410	88920.00
7	Misc. and unforeseen expences in including running					3221.02
Total						95966.02

ESTIMATE Year 5(Fourth Year Maintenance)

S.N	Name of Item	BSR/ ITEM	Unit	Qty.	Rate	Amount (In
5	Pruning of plants upto 2 metres one time	CCF 8.4.1.1	Plant	3770	2.55	9613.50
6	Watch and ward		month	12	7410	88920.00
7	Misc. and unforeseen expences in including running					12297.68
Total						110831.18

ESTIMATE Year 6-12(Subsequent Year Maintenance)


S.N	Name of Item	BSR/ ITEM	Unit	Qty.	Rate	Amount (In
5	Pruning of plants upto 2 metres one time	CCF 8.4.1.1	Plant	3770	2.55	9613.50

6	Watch and ward		month	12	7410	88920.00
7	Misc. and unforeseen expences in including running					4767.72
	Total					103301.22

Year wise expenditure

S. No.	WORK YEAR	Amount(Rs.)
1	0 Year	1069080.57
2	First Year	565401.69
3	Second Year	262103.17
4	Third Year	141645.91
5	Fourth Year	95966.02
6	Fifth Year	110831.18
7	Sixth Year	103301.22
8	Seventh Year	103301.22
9	Eight Year	103301.22
10	Ninth Year	103301.22
11	Tenth Year	103301.22
12	Eleventh Year	103301.22
13	Twelfth Year	103301.22
	Grand Total	2968137.07


Range Forest Officer
RAISAR

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Estimate Sanctioned
DCF WL Jaipur