


OFFICE OF THE RANGE FOREST OFFICER WL RAISAR JAIPUR

FOREST DEPARTMENT


COST Estimate Year wise

- | | | | |
|---|--|----|------------------------|
| 1 | Name of work : Advance Action Work of Dantali 4.584 HAC. | 7 | Name of Range : Raisar |
| 2 | Name of Village : Dantali | 8 | Amount : |
| 3 | Name of VFPMC:- Dantali | 9 | Year : 2023-24 |
| 4 | Scheme : CANFL | 10 | Area : 4.584 hac |
| 5 | Name of Division : DCF WILD LIFE JAIPUR | 11 | GPS : N 27° 06'51.2" |
| 6 | Gram panchayat:- Bhavni | | E 76° 09' 12.3" |

S. No.	BSR Item no	PARTICULARS	QTY	UNIT	RATE IN RS	AMOUNT
		Advance action 0 year				
1	as per model	Collection of basics datas for micro planning and carrying out joint forest management activities	4.584	hactor	575	2635.80
2	as per model	Survey of the area, layout contour trenches burrowpits and making of sagments/plots	4.584	hactor	463	2122.39
3	2.2.2	Ditch fencing :- 1.2 m deep, 1.5m wide at top and 0.90m wide at bottom ,includes dressing (volume per running meter=1.44 cum)				
(a)	2.2.2.6	Hard soil with above 50% boulders 780 RMT	1123.2	cum	283.68	318629.38
b	2.2.2.7	in hard murrum/kankar/compactclayey soil 200 RMT	288	cum	264.17	76080.96
4	3.2	Digging of contour trenches (size 0.45 X 0.45 m) separating stones from dugup soil , making mounds of the soil and dressing deep continuous contour trenches				
(a)	3.1	layout for excavation of trenches	2000	rmt	0.98	1960.00
(b)	3.2.7	Hard soil with above 50% boulders 1750 RMT	354.37	cum	247.39	87667.59
c	3.2.6	in hard murrum/kankar/compactclayey soil 250 RMT	50.62	cum	283.68	14359.88


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5	3.7.2	Treatment of Nallas by Construction of check dams by loose stone including digging and breaking of stones (rates are for volume including voids) leads above 200m	100	cum	383.27	38327.00
6	4.2	Digging of new pits size 0.45 X 0.45 X .45 m				
(a)	4.1	layout for excavation of pits	2300	pits	0.98	2254.00
(b)	4.2.7	In hard soil having more than 50% boulders	1500	pits	27.05	40575.00
(c)	4.2.6	In hard murram / kankar / compact clayey soil	800	pits	23.77	19016.00
7	8.4.3.2	cutting / pruning / singling of branch shoots of juliflora bushes leaving at least one main shoot in area where juliflora exists in an average crown density more then 0.5 m	1000	Juliflora	28.21	28210.00
8	8.1.1	construction of approach road and inspection path for vehicle In hilly areas size 3m X 800 m =2400 sqm	2400	sqm	7.48	17952.00
9	as per model	cost of raising sidlings in nursery	5550	per plants	3.93	21811.50
10		construction of cattle guard hut	LS	LS	LS	30000.00
11		Watch and ward 4 month	104	Days	259	26936.00
12		Contruction of plantation gate and painting of sign board.	LS	LS	LS	40000.00
13		purchase of tools and plants	LS	LS	LS	25000.00
14		construction of water storage tanks	LS	LS	LS	50000.00
15		cost of grasses and other seeds	LS	LS	LS	6462.50
		TOTAL YEAR 0				850000.00
		Administrative charge 10%				85000.00
		TOTAL				935000.00
		Year 1 planting year				
1	as per model	maintenance of 2300 seedling in nursery	2300	per plant	2.11	4853.00


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2	as per model	sowing of seeds of shrubs species on the mounds of staggered/cnotinous contour trenches v ditch and ditch fencing including pretreatment of seeds $980 \times 3 + 2000 \times 2 = 6940 \text{rmt}$	6940	rmt	0.73	5066.20
3	6.2	Transportation of plants from nursery to plantating site by mechanical means from 3 km Distance excluding loading and unloading				
a	8.3.3.5 & 8.3.4.5	Size 12.5 X 30 cm	plant	2300	1.74	4002.00
4	6.2.3.5 & 6.2.4.5	Loading and Unloading of plants in vehicles Size 12.5X 30 cm	plant	2300	1.20	2760.00
5	6.3.1	Treatment of pits soil with insecticide	Pit	2300	0.55	1265.00
6	6.3	Planting (including submerging the polypot in insecticide treated water, cutting and removing the polythene bag, refilling of pit after femoving stones and pressing the aoil arround plant)				
a	6.3.3.1.1	in plan area size 12.5x30 cm	plant	1000	6.69	6690.00
b	6.3.3.3.1	in hilly area size 12.5x30 cm	plant	1300	8.82	11466.00
7	6.4	Making of crescent shaped thanvala, having 45 radious, around planted				
c	6.4.3	in stone hilly area	plant	2300	9.36	21528.00
8	6.1.5	Planting of Thor/Ratanjot Cuttings at spacing of 15 cm in 30 cm deep trenches and filling +pressing The soil around cutting (includes procurement and preparation of cutting and local transportation)	RMT	500	51.74	25870.00
9	5.2.7	Seed soing on thanwlas (3 seeds per thanwla)	per thanwla	2300	0.61	1403.00
10	6.7.4	Application of urea/other ferlizers to plants	plant	2300	0.55	1265.00

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11	6.6.1	Weeding and hoeing of plants in plantation (in 45 cm radius and 15 cm depth) two time				
b	6.6.1.2	In hard soil with boulders 2300 plant two time	plant	4600	5.30	24380.00
12	6.6.4	Weeding and hoeing of seedling on mounds of trenches/ditch fencing etc in a strip of 60 cm 980+2000=2980	Rmt	2980	4.56	13588.80
13	1.22	Seeds collection by local edc/vfpmc member & villagers	LS	LS	LS	15000.00
14	as per model	10% raising plant for casualty replacement	per	230	9.02	2074.60
15	8.4.4	Cut back of stumps/cutting bushes of Dhok, Ber etc.	per Stumps	300	5.89	1767.00
16	2.2.4.3	Making a tree guard outside the thanwla all around the plant using local bushes (includes collection of local bushes)	per plant	50	58.91	2945.50
17		Purchase of fertiliser and insectide	Ls	LS	LS	5000.00
18		Watch and ward 12 month	312	Days	259	80808.00
19		Miscellaneous and unforeseen expenses including (additional watering, hoeing, fencing and frost protection measures and running of vehicles etc.)	Ls	LS	LS	8267.90
		TOTAL YEAR 1				240000.00
		Administrative charge 10%				24000.00
		TOTAL				264000.00

FIRST Year Maintenance (year 2)

1	as per model	Maintenance of Plants in nursery	plant	230.00	2.17	499.10
2	4.4	Redigging of pits of pits for casualty replacement				
a	4.4.4	Hard soil between above 50% boulders	pits	230.00	7.84	1803.20
3	6.2	Transportation of plants from nursery to planting site by mechanical means from 3km Distance excluding loading and unloading				
	8.3.3.5 & 8.3.4.5	Size 12.5 X 30 cm	plant	230	1.74	400.20
4	6.2.3	Loading of plants in vehicle				
	6.2.3.5	Size 12.5x30 cm	plant	230.00	0.68	156.40



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	6.2.4.5	Size 12.5x30 cm	plant	230.00	0.50	115.00
6	6.3.1	Treatment of pits soil with insecticide	Pits	230.00	0.55	126.50
7	6.3	Planting (including submerging the polypot in insecticide treated water, cutting and removing the polythene bag, refilling of pit after removing stones and pressing the soil around plant)				
a	6.3.3.3.1	in hilly area size 12.5x30 cm	plant	230.00	8.82	2028.60
8		Making of crescent shaped thanwala, having 45 radius, around planted				
a	6.4.3	in stone hilly area	plant	230.00	9.36	2152.80
b	6.4.4	Repair of thanwala	plant	1000.00	1.65	1650.00
9	6.7.4	Application of urea/other fertilizers to plants	plant	2300.00	0.55	1265.00
10		Weeding and hoeing of plants in plantation (in 45 cm radius and 15 cm depth) two times				
b	6.6.1.2	In hard soils with boulders 2300 plant	plant	4600.00	5.30	24380.00
11	2.2.2	Ditch fencing :- 1.2 m deep, 1.5m wide at top and 0.90m wide at bottom ,includes dressing (volume per running meter=1.44 cum)				
a	2.2.2.7 & 8	Ditch fencing repair above 50% boulders	cum	80.00	141.84	11347.20
12	as per model	Watch and ward	12 Months X 26 days	312.00	259.00	80808.00
13		Miscellaneous and unforeseen expenses including (additional watering, hoeing, fencing and frost protection measures and running of vehicles etc.)	LS	LS	LS	3268.00
		TOTAL YEAR 2				130000.00
		Administrative charge 10%				13000.00
		TOTAL				143000.00
Subsequent Maintenance (year 3 to 12)						
1	2.2.2	Ditch fencing :- 1.2 m deep, 1.5m wide at top and 0.90m wide at bottom ,includes dressing (volume per running meter=1.44 cum)				


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a	2.2.2.5 & 8	Repair of Ditch fencing hard soil above 50% boulders 60 RMT	cum	55	141.84	₹ 7,801.20
2	8.4.1	Pruning/ branch cutting (cutting of branches in lower 1/3rd of the plants)				
a	8.4.1.2	between 2- 4 m height	per tree	1500	3.04	₹ 4,560.00
3	as per model	Watch and ward	12Months X26 days	312	259	₹ 80,808.00
4		Miscellaneous and unforeseen expenses including (additional watering, hoeing, fencing and frost protection measures and running of vehicles etc.)				₹ 6,830.80
		TOTAL YEAR 3				100000.00
		Administrative charge 10%				10000.00
		TOTAL				110000.00
		GRAND TOTAL				
		0 Year		935000		
		first year		264000		
		second year		143000		
		third year		110000		
		forth year		110000		
		fifth year		110000		
		six year		110000		
		seven year		110000		
		eight year		110000		
		nine year		110000		
		ten year		110000		
		eleven year		110000		
		twelfth year		110000		
		TOTAL		2442000		


It is certified that all rates are based on B.S.R/C.C.F jaipur 2022



Range Forest Officer
Wildlife Raisar

Technically Checked by


Asst. Conservator of Forests
Wildlife Jamwaramgarh

Rate & calculation checked as per BSR


Asst. Account Officer
Wildlife Jaipur


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Approved