

कार्यालय प्रधान मुख्य वन संरक्षक, (हॉफ), राजस्थान, जयपुर

क्रमांक:-एफ3 (13) प्रमुवसं/ट्री/तक0/21-22/ 386-402

दिनांक:- 31/7/24

निमित्त:-

- 1 प्रधान मुख्य वन संरक्षक (वन बल प्रमुख), राज, जयपुर/मुख्य वन्य जीव प्रतिपालक, राज, जयपुर
- 2 परियोजना निदेशक, आर.एफ.बी.पी.-2, जयपुर।
- 3 समस्त संभागीय मुख्य वन संरक्षक जयपुर/अजमेर/भरतपुर/जोधपुर/बीकानेर/कोटा/उदयपुर/(वन्यजीव)
जयपुर/कोटा/उदयपुर/सवाईमाधोपुर/सरिस्का/जोधपुर/विभागीय कार्य, जयपुर।

विषय- नवीन मॉडल कॉस्ट नोर्म्स न्यूनतम श्रमिक दर रु0 259/- एवं सामग्री दर 2021

संदर्भ- मॉडल समिति की बैठक दिनांक 12.6.2024

महोदय,

उपरोक्त विषयान्तर्गत निवेदन है कि श्रमिक दर 259/ रुपये प्रतिदिन के आधार पर प्राप्त हुए वृक्षारोपण मॉडल राज्य स्तरीय मॉडल कमेटी की अनुशंसा पर संशोधित मॉडल संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित किये जा रहे हैं-

- 1 Model Cost Norms for RDF I
- 2 Model Cost Norms for RDF II
- 3 Model Cost Norms silvi-pastoral plantation in Non-IGNP area (Wildlife/Hill Area)
- 4 Model Cost Norms for Grassland Development For Protected Areas (Non Desert Area)

उक्त सभी मॉडल विभागीय वेबसाइट के निम्न लिंक पर उपलब्ध है।

<http://www.forest.rajasthan.gov.in/content/raj/forest/en/forest,department/departamental-wings/forest-development/model-for-developmental-activities.htm>

संलग्न-मॉडल की प्रति।

भवदीय

मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर।

106 2

31/7/2024

Model Cost Norms for RDF I

Labour rate Rs. 259/- per day

Unit- 50 Ha

Perimeter - Average 3000 RM (1000 MX500M)

No. of Plants - 500

Spacing- 4MX5M

S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
YEAR- 0 Advance Action							
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata			604.33	50.29	654.62
2	Survey of area, Layout of contour trenches/Furrows, Pits and marking of segments/plots	Prorata			474.15	50.29	524.44
3	Fencing by stone wall and or by ditch.						
a.	Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.)	Meter	30	259.00	7770.00	0.00	7770.00
b.	Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	Meter	30	280.83	8425.04	0.00	8425.04
4	Cost of raising 550 seedlings	Plant	550	9.02	3453.01	1505.49	4958.50
5	Digging up Trenches :						
a.	Digging up 260 rmt Contour Trenches with cross section size: 45cmx45cm Sqmt.	RMT	300	33.00	9900.00	0.00	9900.00
b.	Digging up 100 rmt V Ditch with (0.30+0)/2*1.2 mtr cross section on middle slopes and V-ditch in Slope less than 6% as per site condition as per site requirement (only for Non-desert area)	RMT	100	33	3256		3256
c.	Construction of 50 M Contour Dykes with cross section 30x30 cm on upper slopes and sowing of suitable thorny shrub species along the inner side	RMT	50	35	1753		1753
6	Digging of 300 pits size: 0.45x((0.4+0.5)/2) cum	Plant	300	20.27	6080.33	0.00	6080.33
7	Cost of collection and purchases of grass and other seeds	Prorata			0.00	284.62	284.62
8	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata			1295.00	0.00	1295.00
9	In situ Soil & Moisture Conservation measures like Check dams, Nadis, Earthen Bunds etc.	Prorata			4964.85	0.00	4964.85
10	Construction of Water Harvesting Structure/ Nadi	Prorata			6245.00		6245.00
11	Construction of Thatched cattle guard hut.	Prorata			259.00	36.38	295.38
12	Purchase or construction of Water storage Tank	Prorata			0.00	60.99	60.99
13	Purchase of tools and plants	Prorata			0.00	90.95	90.95
14	Labour amenities	Prorata			94.56	70.62	165.18
15	watch and ward for 4 months	Prorata			539.93	0.00	539.93
16	Misc. and unforeseen expenses including running of vehicles	Prorata			245.00	49.22	294.22
Total 0 year					55359	2199	57558

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आहरण एवं वितरण अधिकारी
उप वन संरक्षक (प्रशिक्षण)
प्रधान मुख्य वन संरक्षक
टी. आर. ई. ई. राज., जयपुर
कोड सं. 19337

(सेडूराम यादव)
मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

YEAR : 1 PLANTATION YEAR

S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Maint. of 550 seedling in Nursery	Plant	550	2.17	942.31	252.25	1194.56
2	Digging of 200 pits size 0.45X(0.4+ .5)/2 Cum	Plant	200	20.27	4053.56	0.00	4053.56
3	Sowing/dibbling of seeds of grass/thorny Tree species on the mound of trenches and ditch fencing 230 m	Meter	230	0.67	154.63	0.00	154.63
4	Purchase of fertilizers and insecticide and its application	Prorata			2029.52	444.05	2473.57
5	Sowing of pellets of grass seeds / pieces of seed mud cakes in between rows & pits	Prorata			586.52	0.00	586.52
6	Transport of 500 seedlings from Nursery to planting site	Plant	500	1.58	775.63	14.98	790.61
7	Planting of 500 seedlings including Refilling of pits	Plant	500	4.73	2363.89	0.00	2363.89
8	Restoration of natural regeneration by making crescent shaped mounds on the lower slope of 150 seedlings and saplings	Plant	150	4.73	709.85	0.00	709.85
9	Making of crescent shaped mounds below 500 planted saplings after planting and dibbing of 3 seeds of thorny tree species.	Plant	500	4.12	2062.41	0.00	2062.41
10	Weeding and Hoeings of 500 plants two with repairing plants mound	Plant	1000	4.12	4124.81		4124.81
11	watering of Plants (1times)	Prorata					
12	Weeding on contour trenches and espacement/singling	Prorata			604.33	0.00	604.33
13	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata			1295.00	0.00	1295.00
14	Raising of 10% Plants (55) in Nursery for casualty replacement in year 2	Plant	55	9.02	345.30	150.55	495.85
15	Watch and ward charges for 12 months	Prorata			1618.41	0.00	1618.41
16	Labour hut etc	Prorata			375.48	40.66	416.14
17	Construction of approach roads/inspection path	Prorata			339.89	0.00	339.89
18	Construction of gate and fixing of sign boards	Prorata			532.00	69.55	601.55
19	Misc. and unforeseen expences including (additional watering, fencing and frost protection measures and running of vehicles etc.)	Prorata			341.00	105.93	446.93
TOTAL YEAR 1					23255	1078	24332

आहरण एवं वितरण अधिकारी
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मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

YEAR 2 : MAINTENANCE-I

S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Maint. of 55 plants in nursery	Plant	55	2.17	94.23	25.22	119.46
2	Repair of Fencing	Prorata			259.00	0.00	259.00
3	Casualty replacement of 50 plants (10%) including redigging of pits, transportation planting, watering and application of insecticide	Plant	50	13.44	649.56	22.47	672.03
4	Weeding and Hoeing in 500 plants two times and repairing of mounds	Plant	1000	4.12	4124.81	0.00	4124.81
5	watering of Plants (2 times)	Prorata	1000				
6	Watch and ward charges for 12 months	Prorata			1618.41	0.00	1618.41
7	Misc. and Unforeseen expenses including (Repair of Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata			273.00	114.49	387.49
TOTAL YEAR 2					7019	162	7181

YEAR 3 : MAINTENANCE-II

S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch and ward charges for 12 Months	Prorata			1618.41	0.00	1618.41
2	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata			482.37	123.05	605.42
TOTAL YEAR 3.					2101	123	2224

YEAR 4 : MAINTENANCE-III

S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch and ward charges for 12 Months	Prorata			1618.41	0.00	1618.41
2	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata			482.37	123.05	605.42
TOTAL YEAR 4					2101	123	2224
Grand Total					89834	3685	93519

Yearwise Cost Statement RDF I

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	YEAR 0 ADVANCE ACTION				55359	2199	57558
2	YEAR 1 - PLANTING YEAR				23255	1078	24332
3	YEAR 2 - MAINTENANCE I				7019	162	7181
4	YEAR 3 - MAINTENANCE II				2101	123	2224
5	YEAR - 4 MAINTENANCE III				2101	123	2224
Grand Total					89834	3685	93519

नोट :- मॉडल्स कार्यस्थल विशेष पर कार्य सम्पादित कराने के लिये प्राक्कलन नहीं है वरन केवल मार्गदर्शक है। कार्यस्थल पर कार्य सम्पादित कराने के लिए कार्य स्थल की विशेषताओं/परिस्थितियों के अनुसार प्राक्कलन के आधार पर कार्य कराये जावें।डीप सीसीटी, सीसीटी एवं स्टेगर्ड कन्टूर ट्रेन्च बनाते समय क्षेत्र में विद्यमान पेड़ों को क्षति नहीं पहुंचाई जाये

साहस्य एवं वितरण अधिकारी
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राजस्थान, जयपुर

Model Cost Norms for RDF II

Labour rate Rs. 259/- per day

Unit - 50 Ha

No. of Plants - 200

Perimeter - Average 3000 RM (1000 MX500M)

S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
YEAR- 0 Advance Action							
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata			604.33	50.29	654.62
2	Survey of area, Layout of contour trenches/Furrows, Pits and marking of segments/plots	Prorata			474.15	50.29	524.44
3	Fencing by stone wall and/ or by ditch.					0.00	
a	Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.)	Meter	30	259.00	7770.00	0.00	7770.00
b	Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	Meter	30	280.83	8425.04	0.00	8425.04
4	Cost of raising 220 seedlings	Plant	220	9.02	1381.20	602.20	1983.40
5	Raising of 240 plants in 10cmX15 cm bags for planting on mounds of trenches and V ditches (includes 20% extra)	Plant					
6	Digging up Trenches :					0.00	
a.	Digging up 260 rmt Contour Trenches with cross section size: 45cmx45cm Sqmt.	RMT	300	33.00	9900.00	0.00	9900.00
b.	Digging up 100 rmt V Ditches: with 45x45cm cross section on middle slopes and V-ditch In Slope less than 6% as per site condition as per site requirement	RMT	100	33	3256		3256
c.	Construction of 50 M Contour Dykes with cross section 30x30 cm on upper slopes and sowing of suitable thorny shrub species along the inner side	RMT	50	35	1753		1753
7	Digging of 200 pits size: $0.45 \times ((.4 + .5)/2)$ cum	Plant	200	20.27	4053.56	0.00	4053.56
8	Cost of collection and purchases of grass and other seeds	Prorata			0.00	428.00	428.00
9	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata			1295.00	0.00	1295.00
10	In situ Soil & Moisture Conservation measures like Check dam, Nadis, Earthen Bunds etc.	Prorata			2556.33	0.00	2556.33
11	construction of Water Harvesting structure/ Nadi	Prorata			6245.00		6245.00
12	Construction of Thatched cattle guard hut.	Prorata			259.00	36.38	295.38
13	Purchase or construction of Water storage Tank	Prorata			0.00	60.99	60.99
14	Purchase of tools and plants	Prorata			0.00	90.95	90.95
15	Labour amenities	Prorata			94.56	70.62	165.18
16	Watch and Ward for 4 months	Prorata			539.93	0.00	539.93
17	Misc. and unforeseen expenses including running of vehicles	Prorata			353.00	47.08	400.08
Total 0 year					48960	1437	50397

आहरण एवं वितरण अधिकारी
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राजस्थान, जयपुर

YEAR : 1 PLANTATION YEAR							
S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Maintenance of 220 seedling in nursery	Plant	220	2.17	376.92	100.90	477.82
2	In situ Soil & Moisture Conservation measures like Check dam, Nadis, Earthen Bunds etc.	Prorata			2935.33	201.16	3136.49
3	Sowing/dibbling of seeds of grass, trees and shrubs including seeds of medicinal plants on the mounds of trench/ditch fencing (230 M)	Meter	230	0.67	154.63	0.00	154.63
4	sowing of grass seeds including raking in the interspace	Prorata			586.52	0.00	586.52
5	Transportation of 200 plants from nursery to planting site	Plant	200	1.48	249.41	47.08	296.49
6	Planting of 200 seedlings including Refilling of pits	Plant	200	4.67	911.30	22.47	933.77
7	Purchase and application of insecticide and fertilizer in 200 plants	Prorata			794.81	187.25	982.06
8	Making of crescent shaped mounds below planted sapling after planting and dibbling of 3 seeds of thorny tree species (200 saplings).	Plant	200	4.11	822.22	0.00	822.22
9	Weeding and Hoeings of 200 plants two time repairing plants mound	Plant	400	4.11	1644.00	0.00	1644.00
10	Weeding on Contour Trench/ V ditch and espacement /singling	Prorata			533.07	0.00	533.07
11	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata			1295.00	0.00	1295.00
12	Raising of 10% Plants (20 plants) in Nursery for casualty replacement in year 2	Plant	20	9.02	125.56	54.75	180.31
13	Watch and ward charges for 12 months	Prorata			1618.41	0.00	1618.41
14	Labour hut etc	Prorata			375.48	40.66	416.14
15	Construction of approach roads/inspection path	Prorata			339.89	0.00	339.89
16	Construction of gate and fixing of sign boards	Prorata			532.00	69.55	601.55
17	Administrative expenditure including office, electricity, stationary, running of vehicles etc.,	Prorata		2428.00	2428.00		2428.00
18	Misc. and unforeseen expences including (additional watering, fencing and frost protection measures and running of vehicles etc.)	Prorata			250.78	216.14	466.92
TOTAL YEAR 1					15973	940	16913


 आहरण एवं वितरण अधिकारी
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YEAR 2 : MAINTENANCE-I							
S. No.	Item of Works		Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Maintenance of 20 plants in nursery	Unit	20	2.17	34.27	9.17	43.44
2	Repair of Fencing	Plant			259.00	0.00	259.00
3	Casualty replacement of 20 plants (10%) including redigging of pits, transportation planting, watering and application of insecticide	Prorata	20	13.43	259.00	9.63	268.63
5	Weeding and Hoeing in 200 plants two times and repairing of plant mounds	Prorata	400	4.11	1644.44	0.00	1644.44
6	Watch and ward charges for 12 months	Plant			1618.41	0.00	1618.41
9	Misc. and Unforeseen expenses including (Repair of Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata			224.74	123.05	347.79
	TOTAL YEAR 2	Prorata			4040	142	4182
YEAR 3 : MAINTENANCE-II							
S. No.	Item of Works		Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch and ward charges for 12 Months	Unit			1618.41	0.00	1618.41
6	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata			472.78	123.05	595.83
	TOT	Prorata			2091	123	2214
YEAR 4 : MAINTENANCE-III							
S. No.	Item of Works		Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Administrative expenditure including office, electricity, stationary, running of vehicles etc.,	Unit		2428.00	2428.00		2428.00
2	Capacity building of VFPMC/EDC members, awareness camps, etc.	Prorata	1		1460.00		1460.00
3	Watch and ward charges for 12 Months	Prorata			1618.41	0.00	1618.41
4	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata			472.78	128.40	601.18
	TOT	Prorata			2091	128	2220
	Gran				73155	2770	75925
Yea							
No.	Item of Works		Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	YEAR 0 ADVANCE ACTION	Unit			48960	1437	50397
2	YEAR 1 - PLANTING YEAR				15973	940	16913
3	YEAR 2 - MAINTENANCE I				4040	142	4182
4	YEAR 3 - MAINTENANCE II				2091	123	2214
5	YEAR - 4 MAINTENANCE III				2091	128	2220
	Gran				73155	2770	75925

नोट :- 1. मॉडल्स कार्यस्थल विशेष पर कार्य सम्पादित कराने के लिये प्राक्कलन नहीं है वरन केवल मार्गदर्शक है। कार्यस्थल पर कार्य सम्पादित कराने के लिए कार्य स्थल की विशेषताओं/परिस्थितियों के अनुसार प्राक्कलन के आधार पर कार्य करायें जावें। डीप सीसीटी, सीसीटी एवं स्टेगर्ड कन्टूर ट्रेन्च बनाते समय क्षेत्र में विद्यमान पेड़ों को क्षति नहीं पहुंचाई जाये।

उ.च.स. (प्रशासन)
प्रमुखसं (टी)
राज. जयपुर

(सेडूराम यादव)
मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

Model Cost Norms silvi-pastoral plantation in Non-IGNP area (Wildlife/Hill Area)

Labour rate Rs. 259/- per day

Unit- 50 Ha

Perimeter - Average 3000 RM (1000 MX500M)

Spacing - 5MX5M

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
YEAR- 0 Advance Action							
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata	1	203.13	160.33	42.80	203.13
2	Survey of area, alignment of pits for pole fixing, division of area into segments, preparation of treatment map and plantation card.	Prorata	1	439.01	391.93	47.08	439.01
3	Fencing of plantation area with 1.5 mt. high Angle iron / RCC Post and 4 strand barbed wire / local thorny material or 1.50 m angle iron post and two lines of wire and 1.2 M broad welded wiremesh (details given at annexure "A" for Angle Iron, annexure "B" for RCC Post, C for wire mesh) 60 M	Meter	60	165.98	4897.70	5061.10	9958.80
1	In Continuosion and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	8800.00	1000.00	9800.00
4	Raising of dhaman, styleo, karad, sevan etc. (20 % extra)	Plant	960	2.29	1447.38	750.72	2198.10
b	Other indigineous plants like ber khejari, raunj, etc. 240 plants	Plant	240	2.29	361.85	187.68	549.53
5	Construction of water storage tanks/Water harvesting structures	Prorata	1	941.72	518.00	423.72	941.72
6	Purchase of tools, plants & Insecticides	Prorata	1	147.66	0.00	147.66	147.66
7	Sign board including painting and fixing	Prorata	1	110.21	0.00	110.21	110.21
8	Purchase of seeds of dhaman, styleo, karad etc. (6 Kg/Ha)	Prorata	1	642.30	0.00	642.00	642.00
9	Construction of Cattle guard hut	Prorata	1	707.39	518.00	189.39	707.39
10	R & M of Vehicle	Prorata	1	184.04	0.00	184.04	184.04
11	Labour amenities	Prorata	1	68.48	0.00	68.48	68.48
12	Watch & Ward for 4 months	Prorata	1	539.93	539.93	0.00	539.93
13	Misc. and unforeseen expenditure	Prorata	1	117.42	32.89	84.53	117.42
TOTAL YEAR 0					17668	8939	26607
YEAR 1 - PLANTING YEAR							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	In Continuosion and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	7000.00	2000.00	9000.00
2 (a)	dhaman, styleo, karad, Sevan etc. (20 % extra)	Plant	960	1.37	967.21	346.75	1313.96
b	Other indigineous plants like ber khejari, raunj, etc. (240)	Plant	240	1.37	241.80	86.69	328.49
3	600 m trench digging- of size 20cm deepX30cm at bottom and 50 cms at top- for irrigation	Meter	600	2.14	1282.67	0.00	1282.67
4	Transport of 800 dhaman, styleo, karad etc. and upto site including loading and unloading (upto 5 kms.)	Plant	800	0.88	704.00	0.00	704.00
5	Sowing of dhaman, styleo, karad, Sevan etc.	Prorata	1	234.33	234.33	0.00	234.33
6	Planting					0.00	
a	Planting of 800 dhaman, styleo, karad etc. and including local transport and watering	Plant	800	2.86	2288.00	731.88	3019.88
7	Running & Maintenance of Vehicles	Prorata	1	110.21	0.00	110.21	110.21
8	Labour amenities	Prorata	1	147.66	0.00	147.66	147.66
9	Watch & Ward for 12 months	Prorata	1	1617.04	1617.04	0.00	1617.04
10	Misc. and unforeseen expenditure	Prorata	1	94.87	52.07	42.80	94.87
TOTAL PLANTING YEAR 1					7387	1466	8853

आहरण एवं वितरण अधिकारी
उप वन संरक्षक (प्रशासन)
प्रधान मुख्य वन संरक्षक
टी. आर. ई. ई. राज. जयपुर
कोड सं. 19337

(सेडूराम यादव)
मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

YEAR 2 - MAINTANANCE-I							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	In Continuouson and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	6000.00	2000.00	8000.00
1	Running & Maintenance of Vehicles	Protata	1	110.21	0.00	110.21	110.21
2	Labour amenities	Protata	1	184.04	0.00	184.04	184.04
3	Watch & Ward for 12 months	Protata	1	1617.04	1617.04	0.00	1617.04
4	Misc. and unforeseen expenditure	Protata	1	178.71	112.37	66.34	178.71
Total Year 2					1729	361	2090
YEAR 3 - MAINTENANCE-II							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch & Ward charges for 12 months	Prorata	1	1617.04	1617.04	0.00	1617.04
2	Misc. and unforeseen expenditure	Prorata			56.19	8.56	64.75
Total Year 3					1673	9	1682
YEAR 4 : MAINTENANCE-III							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch & Ward charges for 12 months	Prorata	1	1617.04	1617.04	0.00	1617.04
2	Misc. and unforeseen expenditure	Prorata	1	64.75	56.19	8.56	64.75
Total Year 4					1673	9	1682
YEAR 5 : MAINTENANCE-IV							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch & Ward charges for 12 months	Prorata	1	1617.04	1617.04	0.00	1617.04
2	Fencing repairing etc	Prorata	1	58.70	38.37	20.33	58.70
Total Year 5					1655	20	1676
YEAR 6 : MAINTENANCE-V							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch & Ward charges for 12 months	Prorata	1	1617.04	1617.04	0.00	1617.04
2	Fencing repairing etc	Prorata	1	58.70	38.37	20.33	58.70
Total Year 6					1655	20	1676
YEAR 7 : MAINTENANCE-VI							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch & Ward charges for 4 months	Prorata	1	539.93	539.93	0.00	539.93
2	Fencing repairing etc	Prorata	1	60.54	37.00	23.54	60.54
Total Year 7					577	24	600
Grand Total					34019	10847	44866
Yearwise Cost Statement - silvi-pastoral plantation in Non-IGNP area (Wildlife/Hill Area)							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	YEAR 0 ADVANCE ACTION				17668	8939	26607
2	YEAR 1 - PLANTING YEAR				7387	1466	8853
3	YEAR 2 - MAINTENANCE I				1729	361	2090
4	YEAR 3 - MAINTENANCE II				1673	9	1682
5	YEAR - 4 MAINTENANCE III				1673	9	1682
6	YEAR - 5 MAINTENANCE IV				1655	20	1676
7	YEAR - 6 MAINTENANCE V				1655	20	1676
8	YEAR - 7 MAINTENANCE VI				577	24	600
Grand Total					34019	10847	44866

नोट :- 1.मॉडल्स कार्यस्थल विशेष पर कार्य सम्पादित कराने के लिये प्राक्कलन नहीं है वरन केवल मार्गदर्शक है। कार्यस्थल पर कार्य सम्पादित कराने के लिए कार्य स्थल की विशेषताओं/ परिस्थितियों के अनुसार प्राक्कलन के आधार पर कार्य कराये जावें।

आहरण एवं वितरण अधिकारी
उप वन संरक्षक (प्रशासन)
प्रधान मुख्य वन संरक्षक
टी. आर. ई. ई. राज., जयपुर
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राजस्थान, जयपुर

Model Cost Norms for Grassland Development For Protected Areas (Non Desert Area)

Labour rate Rs. 259/- per day

Unit- 50 Ha

Perimeter - 60m/ha

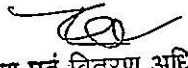
S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
YEAR- 0 Advance Action							
1	Survey of area, Layout of contour trenches/Furrows, Pits and marking of segments/plots	Prorata			474.15	50.29	524.44
2	Fencing						
	A.Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.)	Meter	30	259.00	7770.00	0.00	7770.00
	B.Ditch fencing 1.20m deep,1.50m wide at top & 0.90m at bottom (on an average 15m/ha.)	Meter	15	280.83	4212.45	0.00	4212.45
	C. Fencing of plantation area with 2.1 mt. high Prestressed cement concrete Post and 5 strand barbed wire (details given at annexure "A" for PCC POST, annexure "B" for Fencing detail) 15 M	Meter	15	200.00	600.00	2400.00	3000.00
3	In Situ Soil & Moisture Conservatin measures like check dam, Nadis, Earthen Bunds etc	Prorata	-	0.00	2082.00	1000.00	3082.00
4	Digging of contour trenches (.45x.45m)	Meter	50	32.56	1628.00		1628.00
5	Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	8800.00	500.00	9300.00
6	Restoration of natural regeneration by Cultural/ Silvicultural operations	Prorata			95.00	0.00	95.00
7	Collection / Purchase of grass seeds of local indigenous species .	Prorata			600.00	400.00	1000.00
8	Purchase of tools, plants & insecticides	Prorata	1	147.66	0.00	147.66	147.66
9	Cattle Guard Hut	LS	-	-	295.39	0.00	295.39
10	Labour amenities	Prorata			100.00	0.00	100.00
11	Watch & Ward for 4 months	Prorata	1	539.93	539.93	0.00	539.93
12	Misc. and unforeseen expenses including running of vehicles	Prorata			249.54	0.00	249.54
Total 0 year					27446	4498	31944

आहरण एवं वितरण अधिकारी
उप वन संरक्षक (प्रशासन)
प्रधान मुख्य वन संरक्षक
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मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

YEAR : 1 PLANTATION YEAR

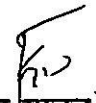
S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	In Continuouson and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	—	—	7000.00	1500.00	8500.00
2	Creation of premanent Water Point	Prorata	1		600.00	400.00	1000.00
3	Grass seed sowing by twice plough with tractor in natural layer (in 5 ha)	Prorata		483.72	100.00	383.72	483.72
4	Digging of Furrows (by tractor) 200 rmt	RMT	200	1.00	0.00	200.00	200.00
5	Digging of Furrows (15x15cm) manual 200 RMT	RMT	200	1.95	390.00	0.00	390.00
6	Sowing of grass seeds in trenches, Furrows, Checkdams, Earthen Bunds, Etc.	Prorata			468.66	0.00	468.66
7	Sowing of grass seeds after making notches (20x20x15 cms)		100	2.00	200.00		200.00
8	Collection / Purchase of grass seeds of local indigenous species	Prorata			500.00	100.00	600.00
9	Watch and ward charges for 12 months	Prorata		—	1618.41	0.00	1618.41
10	Construction of approach roads/inspection path/Fire lines	Prorata	—	—	300.00	119.00	419.00
11	Construction of gate and fixing of sign boards	Prorata	—		439.89	69.55	509.44
12	Misc. and unforeseen expences including running of vehicles etc.	Prorata	—	—	250.78	216.14	466.92
Total 1 year					11868	2988	14856


 आहरण एवं वितरण अधिकारी
 उप वन संरक्षक (प्रशासन)
 प्रधान मुख्य वन संरक्षक
 टी. आर. ई. राज. जयपुर
 जौड़ सं. 19337


 (सेठूराम यादव)
 मुख्य वन संरक्षक (आयोजना)
 राजस्थान, जयपुर

Year-2 Maintenance-I							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	In Continuosion and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement) in	Prorata	-	-	6000.00	2000.00	8000.00
2	Collection./ Purchase of grass seeds of local indigenous species	Prorata	-	-	200.00	100.00	300.00
3	Grass seed sowing by twice plough with tractor in natural layer (in 5 ha)	Prorata		483.72	100.00	383.72	483.72
4	Sowing of grass seeds after making notches (20x20x15 cms)	Prorata	50	2.00	100.00	0.00	100.00
5	Sowing of grass seeds in trenches, Furrows, Checkdams, Earthen Bunds, Etc.	Prorata	-	-	400.00	0.00	400.00
6	Maintenance of approach roads/inspection path/Fire lines	Prorata	-	-	200.00		200.00
7	R&M of vehicles	Prorata			1618.41	0.00	1618.41
8	Expenditure on Maintenance including (Repair of fencing/Structures, Removal of weeds, Subsidiary silvicultural operations, etc.)	Prorata			472.20	128.29	600.50
9	Watch and ward charges for 12 months	Prorata		-	1618.41	0.00	1618.41
10	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata			227.06	104.42	331.48
Total					4936	716	13653


 आरक्षण एवं निष्पक्ष अधिकारी
 राजस्थान वन विभाग
 जयपुर
 दिनांक २६.०६.२०२३
 पृष्ठ सं. १९३३


 (सेडूराम यादव)
 मुख्य वन संरक्षक (आयोजना)
 राजस्थान, जयपुर

Year-3 Maintenance-II							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Grass seed sowing by twice plough with tractor in natural layer (in 5 ha)	Prorata		483.72	100.00	383.72	483.72
2	Sowing of grass seeds after making notches (20x20x15 cms)	Prorata	50	2.00	100.00	0.00	100.00
3	Sowing of grass seeds in trenches, Furrows, Checkdams, Earthen Bunds, Etc.	Prorata	-	-	400.00	0.00	400.00
2	Watch and ward charges for 12 months	Prorata		-	1618.41	0.00	1618.41
3	Miscellaneous expenditure (Labour, Instruments, Machine, repair of watercourse etc). Continuous and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata			339.28	57.78	397.06
Total					1958	58	2999

Year-4 - Maintenance-III							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch and ward charges for 12 months	Prorata		-	1618.41	0.00	1618.41
2	Miscellaneous expenditure (Labour, Instruments, Machine, repair of watercourse etc). Continuous and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata			153.48	95.23	248.71
Total					1772	95	1867

Yearwise Cost Statement Grassland Development Non- Desert Area (Without Planting)

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	YEAR 0 ADVANCE ACTION				27446	4498	31944
2	YEAR 1 - PLANTING YEAR				11868	2988	14856
3	YEAR 2 - MAINTENANCE I				4936	716	13653
4	YEAR 3 - MAINTENANCE II				1958	58	2999
5	YEAR - 4 MAINTENANCE III				1772	95	1867
Grand Total					47980	8356	65319

नोट :- 1. मॉडल्स कार्यस्थल विशेष पर कार्य सम्पादित कराने के लिये प्राक्कलन नहीं है वरन केवल मार्गदर्शक है। कार्यस्थल पर कार्य सम्पादित कराने के लिए कार्य स्थल की विशेषताओं/ परिस्थितियों के अनुसार प्राक्कलन के आधार पर कार्य कराये जावें।
 2. fencing मद में Ditch fencing, Stonewall fencing and barbed wire fencing दोनों का प्रावधान रखा गया है। संबंधित मुख्य वन संरक्षक कार्यस्थल की परिस्थिति एवं नियमानुसार स्वीकृति देकर आवश्यकतानुसार परिवर्तन कर सकते हैं।

आहरण एवं विवरण अधिकारी

मुख्य वन संरक्षक (प्रशासन)

प्रधान मुख्य वन संरक्षक

टी. आर. ई. डी. राज, जयपुर

कोड सं. 19337

(सेडूराम यादव)
मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

कार्यालय प्रधान मुख्य वन संरक्षक, (हॉफ), राजस्थान, जयपुर

क्रमांक:-एफ3 (13)प्रमुवसं/ट्री/तक0/21-22/ 436-452

दिनांक:- 10/7/24.

निमित्त:-

- 1 प्रधान मुख्य वन संरक्षक (वन बल प्रमुख), राज, जयपुर/मुख्य वन्य जीव प्रतिपालक, राज, जयपुर
- 2 परियोजना निदेशक, आर.एफ.बी.पी.-2, जयपुर।
- 3 समस्त संभागीय मुख्य वन संरक्षक जयपुर/अजमेर/भरतपुर/जोधपुर/बीकानेर/कोटा/उदयपुर/(वन्यजीव) जयपुर/कोटा/उदयपुर/सवाईमाधोपुर/सरिस्का/जोधपुर/विभागीय कार्य, जयपुर।

विषय- नवीन मॉडल कॉस्ट नोर्म्स न्यूनतम श्रमिक दर रू0 259/-एवं सामग्री दर 2021

संदर्भ- मॉडल समिति की बैठक दिनांक 12.6.2024

महोदय,

उपरोक्त विषयान्तर्गत निवेदन है कि श्रमिक दर 259/ रुपये प्रतिदिन के आधार पर प्राप्त हुये वृक्षारोपण मॉडल राज्य स्तरीय मॉडल कमेटी की अनुशंसा पर संशोधित मॉडल संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित किये जा रहे हैं-

- 1 Model Cost Norms for Grassland Development For Protected Areas (Desert Area)
- 2 Model Cost Norms for Grassland Development (Non Desert Area)
- 3 Model Cost Norms for Grassland Development (Desert Area)

उक्त सभी मॉडल विभागीय वेबसाइट के निम्न लिंक पर उपलब्ध है।

<http://www.forest.rajasthan.gov.in/content/raj/forest/en/forest,department/departamental-wings/forest-development/model-for-developmental activities.html>

संलग्न-मॉडल की प्रति।

भवदीय

मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर।

01/07/24

Model Cost Norms Grassland Development Protected Areas (Desert Area)

Labour rate Rs. 259/- per day

Unit- 50 Ha

Perimetre- 60 m/ha

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
YEAR- 0 Advance Action							
1	Survey of area, alignment of pits for pole fixing, division of area into segments, preparation of treatment map and plantaion card.	Prorata	1	439.01	391.93	47.08	439.01
2	Fencing						
	A. Fencing of plantation area with 2.1 mt. high Prestressed cement concrete Post and 5 strand barbed wire (details given at annexure "A" for PCC POST, annexure "B" for Fencing detail) 40 M	Meter	30	200.00	1200.00	4800.00	6000.00
	B. Wire mesh Fencing Fitted with 2.1 mt. high Prestressed cement concrete Post.	Meter	30	280.83	8424.90	0.00	8424.90
3	Removal of invasive species(Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	5500.00	3000.00	8500.00
4	In Situ Soil & Moisture Conservation measures like check dam, Nadis, Earthen Bunds etc	LS	-	-	800.00	600.00	1400.00
5	Digging up 100 rmt V-dicth with cross section size: $1.20 \times ((0.30+0.0)/2)$ Sqmt. in area with Gentle slope	Meter	100	24.52	2452.00	-	2452.00
6	Raising of Grass slips and other indigenous plants in 10cmX15 cm bags (includes 20% extra)						
	Grass 1200 slips	Plant	1200	2.29	2748.00	0.00	2748.00
7	Sign board including painting and fixing	Prorata	1	110.21	0.00	110.21	110.21
8	Collection / Purchase of grass seeds of local indigenous species (6 Kg/Ha)	Prorata	6	107.00	0.00	642.00	642.00
9	Construction of Cattle guard hut	Prorata	1	607.39	418.00	189.39	607.39
10	R & M of Vehicle	Prorata	1	248.04	0.00	248.04	248.04
11	Labour amenities	Prorata	1	150.88	0.00	150.88	150.88
11	Purchase of tools, plants & insecticides	Prorata	1	147.66	0.00	147.66	147.66
12	Misc. and unforeseen expenditure	Prorata	1	196.91	133.00	61.91	196.91
TOTAL YEAR 0					22068	9997	32067


 आहरण एवं वितरण अधिकारी
 उप वन संरक्षक (प्रशासन)
 प्रधान मुख्य वन संरक्षक
 डी. शास्त्री ई. राज. जयपुर
 कोड सं. 19337


 (सेडूराम यादव)
 मुख्य वन संरक्षक (आयोजना)
 राजस्थान, जयपुर

YEAR-2 Maintenance-I							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1.	In Continuosion and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	—	—	4000.00	2000.00	6000.00
2	Collection / Purchase of grass seeds of local indigenous species.	Prorata	—	—	100.00	100.00	200.00
3	Sowing of Grass and other speices seeds	Prorata	—	—	400.00		400.00
4	Expenditure on Maintenance including (Repair of fencing/Structures,Removal of weeds, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata			472.20	128.29	600.50
5	Watch and ward charges for 12 months	Prorata		—	1618.41	0.00	1618.41
6	R&M of vehicles	Prorata			0.00	367.01	367.01
7	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata			221.04	9.63	230.67
Total					6812	2605	9417


 आहरण एवं वितरण अधिकारी
 उच्च वन संरक्षक (प्रशासन)
 प्रधान मुख्य वन संरक्षक
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 (सेडूराम यादव)
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 राजस्थान, जयपुर

Year-3 Maintenance-II							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Sowing of Grass and other speices seeds	Prorata	-	-	400.00		400.00
2	Watch and ward charges for 12 months	Prorata		-	1618.41	0.00	1618.41
3	Miscellaneous expenditure (Labour, Removal of weeds, Instruments, Machine, repair of watercourse etc)	Prorata			339.28	57.78	397.06
Total					1958	58	2415

Year-4 - Maintenance-III							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Sowing of Grass and other speices seeds	Prorata	-	-	400.00		400.00
2	Watch and ward charges for 12 months	Prorata		-	1618.41	0.00	1618.41
3	Miscellaneous expenditure (Labour, Removal of weeds, Instruments, Machine, repair of watercourse etc)	Prorata			153.48	95.23	248.71
Total					1772	95	2267

Yearwise Cost Grassland Development Desert Area (Without Planting) *protected Areas*

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	YEAR 0 -ADVANCE ACTION				22068	9997	32067
2	YEAR 1 - PLANTING YEAR				15383	4770	20153
3	YEAR 2 - MAINTENANCE I				6812	2605	9417
4	YEAR 3 - MAINTENANCE II				1958	58	2415
5	YEAR - 4 MAINTENANCE III				1772	95	2267
Grand Total					47992	17525	66319

नोट :- 1.मॉडल्स कार्यस्थल विशेष पर कार्य सम्पादित कराने के लिये प्राक्कलन नहीं है वरन केवल मार्गदर्शक है। कार्यस्थल पर कार्य सम्पादित कराने के लिए कार्य स्थल की विशेषताओं/ परिस्थितियों के अनुसार प्राक्कलन के आधार पर कार्य कराये जावें।

2. Fecing मद में Ditch fencing and Barbed Wire Fencing दोनों का प्रावधान रखा गया है। संबंधित मुख्य वन संरक्षक कार्यस्थल की परिस्थिति एवं नियमानुसार स्वीकृति देकर आवश्यकतानुसार परिवर्तन कर सकते हैं।


आहरण - 1
प्रमुख मुर
उ. आ. इ. म.
जोड़ सं.


(सेठूराम यादव)
मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

Model Cost Norms Grassland Development (Desert Area)

Labour rate Rs. 259/- per day

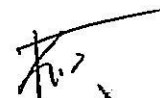
Perimetre- 60 m/ha

Unit- 50 Ha

No. of Plants- 100

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
YEAR- 0 Advance Action							
1	Survey of area, alignment of pits for pole fixing, division of area into segments, preparation of treatment map and plantaion card.	Prorata	1	439.01	391.93	47.08	439.01
2	A. Fencing of plantation area with 2.1 mt. high Prestressed cement concrete Post and 5 strand barbed wire (details given at annexure "A" for PCC POST, annexure "B" for Fencing detail) 40 M	Meter	30	200.00	1200.00	4800.00	6000.00
	B. Wire mesh fancing fitted with 2.1 mt high prestressed cement concrete post.	Meter	30	280.83	8424.90	0.00	8424.90
3	In Situ Soil & Moisture Conservatin measures like check dam, Nadis, Earthen Bunds etc	LS	-	-	800.00	600.00	1400.00
4	Digging up 100 rmt V-dicth with cross section size: 1.20x((0.30+0.0)/2) Sqmt. in area with Gentle slope	Meter	100	33.00	3300.00	-	3300.00
5	Removal of invasive species(Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	6000.00	1000.00	7000.00
6	Digging of 100 pits size 0.45 mcub	Plant	120	20.27	0.00	0.00	2432.40
7	raising of 120 plants for plants for planting including 20 % extra	Plant	120	9.02	1082.40	0.00	1082.40
8	Raising of Grass slips and other indigenous plants in 10cmX15 cm bags (includes 20% extra)						
	Grass 960 slips	Plant	960	2.29	2198.40	0.00	2198.40
9	Purchase of tools, plants & insecticides	Prorata	1	147.66	0.00	147.66	147.66
10	Purchase of fertilizers, DAP & Urea Vermi compost, NPK	Prorata	1	353.10	0.00	353.10	353.10
11	Sign board including painting and fixing	Prorata	1	110.21	0.00	110.21	110.21
12	Watch & ward for 4 month	Prorata	1	539.93	593.93	0.00	593.93
13	Cost of Collection & Purchase of seeds of grass/ Ber/Khejari and other indigenous species (3 Kg+3kg fodder species/Ha)	Prorata	6	107.00	0.00	642.00	642.00
14	Construction of Cattle guard hut	Prorata	1	707.39	518.00	189.39	707.39
15	R & M of Vehicle	Prorata	1	184.04	0.00	184.04	184.04
16	Labour amenities	Prorata	1	150.88	0.00	150.88	150.88
17	Misc. and unforeseen expenditure	Prorata	1	558.88	35.63	80.25	558.88
TOTAL YEAR 0					24545	8305	35725


 आहरण एवं वितरण अधिकारी
 उप वन संरक्षक (प्रशासन)
 प्रधान मुख्य वन संरक्षक
 टी. आर. ई. ई. राज. जयपुर
 कोड सं. 19337


 (सेठूराम यादव)
 मुख्य वन संरक्षक (आयोजना)
 राजस्थान, जयपुर

YEAR 1 - PLANTING YEAR							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Maintenance of 120 plants in nursery	Plant	120	2.51	301.20	0.00	301.20
2	Transport of 100 plants upto site including loading and unloading (up to 5 km)	Plant	100	1.96	196.00	0.00	196.00
3	planting of 100 seedlings including Reffling of pits	Plant	100	4.67	467.00	0.00	467.00
4	Construction of Water Point / Water Storage Tank	Prorata			200.00	400.00	600.00
5	Transport of 800 grass slips upto site including loading and unloading (upto 5 kms.)	Prorata	800	1.11	888.00	0.00	888.00
6	In Continuouson and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement) in	Prorata	-	-	5000.00	1500.00	6500.00
7	Digging of Trench size 0.15x0.15cm Near Fencing	Prorata	60	1.95	117.00	0.00	117.00
8	Sowing of seeds Near Fencing Trenches	Meter	400	1.00	400.00	0.00	400.00
9	Digging of Furrows (by tractor) 200 rmt	RMT	200	1.00	0.00	200.00	200.00
10	Digging of Furrows (15x15cm) manual 200 RMT	RMT	200	1.95	390.00	0.00	390.00
11	Sowing of grass seeds	Prorata	1	234.33	234.33	0.00	234.33
12	Planting-						
	Planting of 800 grass slips/ locally available and including local transport and watering	Plant	800	3.04	2432.00	0.00	2432.00
13	Weeding and Hoeing 2x100=200	Plant	200	3.56	712.00	0.00	712.00
14	Watering of 100 plants 2 Times	Plant	200	4.13	826.00	0.00	826.00
15	Running & Maintenance of Vehicles	Prorata	1	110.21	0.00	110.21	110.21
16	Labour amenities	Prorata	1	145.52	0.00	145.52	145.52
17	Watch & Ward for 12 months	Prorata	1	1618.41	1618.41	0.00	1618.41
18	Misc. and unforeseen expenditure	Prorata	1	247.62	247.62	100.00	347.62
	Total YEAR 1				14030	2456	16485


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 (सेडूराम यादव)
 मुख्य वन संरक्षक (आयोजना)
 राजस्थान, जयपुर

YEAR-2 Maintenance-I							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Maintenance of 20 plants in nursery	Plant	20	2.51	50.20	0.00	50.20
2	Transpotation of 20 Plants	Plant	20	1.60	32.00	0.00	32.00
3	including digging of pits , Treating with pesticides , fertilisers, and watering	Plant	20	11.07	220.00	0.00	220.00
4	Application of urea and fertilisers -2 times , 100 plants	Plant	200	0.59	118.00	118.00	118.00
5	Weeding and Hoeing 2x100=200	Plant	200	7.13	1426.00	1426.00	1426.00
6	R&M of vehicles	Prorata			0.00	0.00	441.98
7	In Continouosion and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	4500.00	500.00	5000.00
8	Purchase of Grass and other seeds	Prorata	-	-	-	200.00	200.00
9	Sowing of Grass and other speices seeds	Prorata	-	-	-	400.00	400.00
10	Expenditure on Maintenance including (Repair of fencing/Structures, Removal of weeds, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata			472.20	0.00	472.20
11	Watch and Ward charges	Prorata			1618.41	1618.41	1618.41
12	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata			221.04	221.04	221.04
Total					8658	4483	10200
Year-3 Maintenace-II							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
	Prunning and Tending of 100 plants	Plant	100	2.14	214.00	0.00	214.00
1	Watch and Ward charges	Prorata			1618.41	0.00	1618.41
2	Miscellaneous expenditure (Labour, Removal of weeds, Instruments, Machine, repair of watercourse etc)	Prorata			159.26	57.78	217.04
Total					1992	58	2049
Year-4 - Maintenance-III							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch and Ward charges	Prorata			1618.41	0.00	1618.41
2	Miscellaneous expenditure/repair of watercourse	Prorata			145.26	95.23	240.49
Total					1764	95	1859
Yearwise Cost Grassland Development (Desert Area)							
No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	YEAR 0 -ADVANCE ACTION				24545	8305	35725
2	YEAR 1 - PLANTING YEAR				14030	2456	16485
3	YEAR 2 - MAINTENANCE I				8658	4483	10200
4	YEAR 3 - MAINTENANCE II				1992	58	2049
5	YEAR - 4 MAINTENANCE III				1764	95	1859
Grand Total					50988	15397	66319

नोट :- मॉडल कार्यस्थल विशेष पर कार्य सम्पादित कराने के लिये प्रावकलन नहीं है वरन केवल मार्गदर्शक है। कार्यस्थल पर कार्य सम्पादित कराने के लिए कार्य स्थल की विशेषताओं/ परिस्थितियों के अनुसार प्रावकलन के आधार पर कार्य कराये जावे।

2. Fencing मद में Ditch fencing and Barbed Wire Fencing दोनों का प्रावधान रखा गया है। संबंधित मुख्य वन संरक्षक कार्यस्थल की परिस्थिति एवं नियमानुसार स्वीकृति देकर आवश्यकतानुसार परिवर्तन कर सकते है।

आहरण एवं वितरण अधिकारी
उप वन संरक्षक (प्रशासन)
प्रधान मुख्य वन संरक्षक
टी. आर. ई. ई. राज., जयपुर
कोड सं. 19337

(सेडूराम यादव)
मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

Model Cost Norms for Grassland Development (Non- Desert Area)

Labour rate Rs. 259/- per day

Unit- 50 Ha

Perimeter - 60m/ha

No. of Plants - 100

S. No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
YEAR- 0 Advance Action							
1	Survey of area, Layout of contour trenches/Furrows, Pits and marking of segments/plots	Prorata			474.15	50.29	524.44
2	Fencing by stone wall and or by ditch.						
	A.Stone wall fencing 1.20m high 0.80m at base & 0.60 at top(on an average 30m/ha.)	Meter	30	259.00	7770.00	0 00	7770.00
	B.Ditch fencing 1.20m deep,1.50m wide at top & 0.90m at bottom(on an average 15m/ha.)	Meter	15	280.83	4212.45	0 00	4212.45
	C. Fencing of plantation area with 2.1 mt. high Prestressed cement concrete Post and 5 strand barbed wire (details given at annexure "A" for PCC POST, annexure "B" for Fencing detail) 15 M	Meter	15	200.00	600.00	2400.00	3000.00
3	In Situ Soil & Moisture Conservatin measures like check dam, Nadis, Earthen Bunds etc	Prorata	-	0.00	1000.00	1000.00	2000.00
4	Digging up 50 rmt V-ditch with cross section size: 1.2x((0.30+0.0)/2) Sqmt. in area with Gentle slope	Meter	50	33.00	1650.00		1650.00
5	Removal of invasive species(Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	6000.00	3000.00	9000.00
6	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata			1295.00	0.00	1295.00
7	Cost of raising 110 seedlings	Plants	110	9.02	0.00	0.00	992.20
8	Digging of 100 pits Size 0.45x(4+5)/2cum	Plants	110	20.27	0.00	0.00	2027.00
9	Cost of collection and purchases of grass and other seeds	Prorata			0.00	428.00	428.00
10	Purchase of tools, plants & insecticides	Prorata	1	147.66	0.00	147.66	147.66
11	purchase of fertilizers, DAP & Urea	LS	-	-	353.10	0.00	353.10
12	Cattle Guard Hut	LS	-	-	295.39	0.00	295.39
13	Labour amenities	Prorata			100.00	0.00	100.00
14	Watch & Ward for 4 months	Prorata	1	539.93	539.93	0.00	539.93
15	Misc. and unforeseen expenses including running of vehicles	Prorata			1687.54	0.00	1687.54
Total 0 year					25978	7026	36023

आहरण एवं वितरण अधिकारी
उप वन संरक्षक (प्रशासन)
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टी. आर. ई. ई. राज. जयपुर
कोड सं. 19337

(सेडूस योदव)
मुख्य वन संरक्षक (आयोजना)
राजस्थान, जयपुर

YEAR : 1 PLANTATION YEAR

S.No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	In Continuosion and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	5000.00	1500.00	6500.00
2	Digging of 30x30cm cross section trch along inner side of stone wall fencing and seed sowing (30M/ha)	Prorata	30	21.61	648.30	0.00	648.30
3	Maintenance of 110 plants in nursery	plants	110	2.51	276.10	0.00	276.10
4	Traspotation of 100 plants from Nursery to planting site	Plants	100	1.48	148.00	0.00	148.00
5	planting of 100 seedlings including Refilling of pits	Plants	100	4.67	467.00	0.00	467.00
6	Purchase and Application of insecticide & Fertilizers	Plants	100		397.40	93.62	491.02
7	Making of crescent shaped mounds	Plants	100	4.11	104.11	0.00	104.11
8	Weding & Hoeing 2x100=200	Plants	200	3.56	712.00	0.00	712.00
9	Watering of 100 plants 2 times	Plants	200	4.13	826.00	0.00	826.00
10	Digging of Furrows (by tractor) 200 rmt	RMT	200	1.00	0.00	200.00	200.00
11	Digging of Furrows (15x15cm) manual 200 RMT	RMT	200	1.95	390.00	0.00	390.00
12	Sowing of grass seeds	Prorata			468.66	0.00	468.66
13	Raising of 10 plants for casualty replacement	Plants	10	9.02	90.20	0.00	90.20
14	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata			1014.00	0.00	1014.00
15	Purchase of Grass and other seeds	Prorata	-	-	-	500.00	500.00
16	Watch and ward charges for 12 months	Prorata			1618.41	0.00	1618.41
17	Construction of approach roads/inspection path	Prorata	-	-	439.89	0.00	439.89
18	Labour amenities	Prorata			100.00	0.00	100.00
19	Construction of gate and fixing of sign boards	Prorata	-	-	439.89	69.55	509.44

अधीक्षण एवं वितरण अधिकारी
 उप वन संरक्षक (प्रशासन)
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(सेडूरि योदव)
 मुख्य वन संरक्षक (आयोजना)
 राजस्थान, जयपुर

20	Misc. and unforeseen expences including (additional watering, fencing and frost protection measures and running of vehicles etc.)	Prorata	-	-	250.78	216.14	466.92
Total 1 year					13391	2579	15970


 आहरण एवं वितरण अधिकारी
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 (सेडूराम यादव)
 मुख्य वन संरक्षक (आयोजना)
 राजस्थान, जयपुर

Year-2 Maintenance-I

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Maintenance of 110 plants in nursery	Plants	10	2.51	25.10	0.00	25.10
2	Traspotation of 10 plants	Plants	10	1.60	16.00	0.00	16.00
3	Re planting of 10 plants including Digging of pits , treating with pesticides, fertilisers and watering	plants	10	11.07	110.00	0.00	110.00
4	Purchase of Grass and other seeds	Prorata	-	-	-	200.00	200.00
5	Sowing of Grass and other speices seeds	Prorata	-	-	-	400.00	400.00
6	Application of urea and fertilisers -2 times 100 plants	Plants	200	0.59	118.00	0.00	118.00
7	Weeding and Hoeing -100 plants -2 times	Plants	200	7.13	1426.00	0.00	1426.00
8	R&M of vehicles	Prorata	-	-	0.00	367.01	367.01
9	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata	-	-	695.00	0.00	695.00
10	In Continuouision and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	3500.00	500.00	4000.00
11	Expenditure on Maintenance including (Repair of fencing/Structures, Removal of weeds, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	-	-	472.20	128.29	600.50
12	Watch and Ward charges	Prorata	-	-	1618.41	0.00	1618.41
13	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata	-	-	26.04	9.63	35.67
Total					7856	1605	9461

Year-3 Maintenance-II

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Prunning and tending of 100 plants	Plants	100	2.14	214.00	0.00	214.00
2	Watch and Ward charges	Prorata	-	-	1618.41	0.00	1618.41
3	Miscellaneous expenditure (Labour, Instruments, Machine, repair of watercourse etc). Continuouision and Subsequent Removal of invasive species (Lantana camera, Prosopis juliflora etc.) (as per requirement)	Prorata	-	-	322.26	57.78	380.04
Total					1941	58	1998

Year-4 - Maintenance-III

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	Watch and Ward charges	Prorata	-	-	1618.41	0.00	1618.41
2	Miscellaneous expenditure/repair of watercourse	Prorata	-	-	153.48	95.23	248.71
Total					1772	95	1867

Yearwise Cost Statement Grassland Development (Non- Desert Area)

No.	Item of Works	Unit	Qty.	Rate (Rs.)	Labour Cost	Material Cost	Total Cost
1	YEAR 0 ADVANCE ACTION				25978	7026	36023
2	YEAR 1 - PLANTING YEAR				13391	2579	15970
3	YEAR 2 - MAINTENANCE I				7856	1605	9461
4	YEAR 3 - MAINTENANCE II				1941	58	1998

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