

कार्यालय प्रधान मुख्य वन संरक्षक, राज0 जयपुर

क्रमांक: एफ () 2013/मॉडल्स/प्रमुवसं/TREE/

204

दिनांक: 30-1-14

निमित्त,

अतिरिक्त प्रधान मुख्य वन संरक्षक,
वन सुरक्षा एवं नोडल अधिकारी, एफ.सी.ए.
राजस्थान, जयपुर

विषय :- मॉडल अनुमोदन बाबत।


महोदय,

उपरोक्त विषयांतर्गत निवेदन है कि श्रमिक दर 166/- रु. प्रतिदिन के आधार पर प्राप्त हुए वृक्षारोपण मॉडल राज्य स्तरीय मॉडलस् कमेटी की अनुशंसा पर प्रधान मुख्य वन संरक्षक (हॉफ) राजस्थान जयपुर के अनुमोदन उपरांत संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित किये जा रहे हैं।

संलग्न :-

1. C.A.- N.F.L.
2. C.A.- D.F.L.
3. Regeneration of safety zone

भवदीय


अति0 प्रधान मुख्य वन संरक्षक, (विकास)
राजस्थान, जयपुर

Dr. P. (F.A.)
1.2.14

MODEL COST ESTIMATE FOR COMPENSATORY AFFORESTATION

ON DEGRADED FOREST LAND

UNIT :
PERIMETER:
LABOUR RATE:
COST ESTIMATE:

50 Ha
60 M/Ha.
Rs. 166/Day
in Rs./Ha.


0 YEAR (ADVANCE ACTION)

S.No.	ITEM OF WORK	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest managment activities.	434 / ha.	387	47	434.00
2	Survey of area,layout of contour trenches, burrow pits and making of segments / plots	352 / ha.	305	47	352.00
3	Fencing by stone wall and or by ditch.				
	a.) Stone wall fencing 1.20 m high 0.80 m at base & 0.60 at top (on an average 30 m/ha.)	166 / rmt	4980		4980.00
	b.) Ditch fencing 1.20m deep,1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	180.76 / rmt	5423		5423.00
4	Cost of raising 770 seedlings	3.18 / plant	1417	1033	2450.00
5	Digging up 300 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	20.87 / rmt	6261		6261.00
6	Digging of 300 pits size: 0.45x(0.4+0.5/2)2 cum	12.98 / pit	3895		3895.00
7	Cost of collection and purchase of grass and other seeds of trees and shrubs	Prorata		183.00	183.00
8	Treatment of Nallas by constructing series of Checkdams of dry random trubble / earthan / brushwood	Prorata	484		484.00
9	Construction of Thatched cattle guard hut	Prorata	90	73.00	163.00
10	Purchase or construction of water storage tank.	Prorata	53	45	98.00
11	Labour amenities	Prorata	61	80	141.00
12	Watch and ward for 4 months @ 9720/-	Prorata	957		957.00
13	Purchase of Tools and Plants			103.00	103.00
14	Construction of 50 mt. long contour dykes of 30X30 cm. cross section on upper slopes and sowing of suitable thorny shrub species seeds along its innerside	22.47 / rmt.	1123		1123.00
15	Construction of the pillars of appropriate size for gate.	Prorata	53	91	144.00
16	Purchase of signboards & fixing at site	Prorata	20	86.00	106.00
17	Misc. and unforeseen expenses including POL for vehicles	Prorata	190	101.00	291.00
	TOTAL YEAR 0		25699	1889.00	27588.00
19	Administrative charges 10%				2758.80
				TOTAL	30346.80

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प्र.सु.व.सं. (टि.आर.ई.ई.)
राज., जयपुर

YEAR I (PLANTING YEAR)

1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata		68	68.0
2	Maintenance of 770 seedling in nursery	1.63 / plant	1130	125	1255.0
3	Digging of 400 pits of size 0.45 (4+5/2)*2 Cum	12.98 / pit	5192		5192.0
4	In situ soil and moisture conservation measures like check dam, nadies, earthen bunds etc.	Prorata	1887	227	2114.0
5	Digging of 30cmX30 cm cross section trench along inner side of stone wall fencing and seed sowing (60 mt./ ha.)	9.23 per rmt.	536	18	554.0
6	Sowing/dibbling of seeds of grass /thorny trees species on the mounds of contour trench and ditch fencing etc. (370 m / ha.)	0.45/m	154	12	166.0
7	Purchase of insecticide and Fertilizers.	0.77/ plant		539	539.0
8	Sowing of pellats of grass/piece of seed mud cakes of grass seeds between row of pits by ploughing and furrowing.	Prorata	376		376.0
9	Transportation of 700 plants from nursery to planting site	1.07 / plant	704	42	746.0
10	Planting of 700 seedlings including Refilling of pits	3.02 / plant	2114		2114.0
11	Watering (if sufficient rains are not there) & application of insecticide in 700 plants at the time of planting.	2.34 / plant	1638		1638.0
12	Restoration of natural regeneration by making crescent shapad mounds on the lower slopes of seedling and sapling and making ring tranches around the natural trees / shrubs. (150 plants / ha)	3.03 / plant	454		454.0
13	Making of crescent shaped mounds below planted sapling after planting and dibbing of 3 seeds of thorny tree species. (700 plants / ha)	2.64 / plant	1848		1848.0
14	Weeding and hoeing of 700 plants in 2 time. Repairing of plants mound	2.64 / plant	3696		3696.0
15	Weeding on contour trenches and 'V' ditches and spacement / singling.	Prorata	389		389.0
16	Raising of 70 seedilings in nursery for casualty replacement in year-2 (10% of 700)	3.18 / seedling	129	94	223.0
17	Watch and ward for 12 months @ Rs.9720/-- month	prorata	2869		2869.0
18	Labour amunties and hut repair.	Prorata	241	46	287.0
19	Construction of approach road / inspection path	Prorata	283		283.0
20	Construction of gate and fixing of sign board	Prorata	376	75	451.0
21	Micellaneous and unforeseen expenditure.	Prorata	110	27	137.0
	TOTAL YEAR 1		24126	1273	25399
22	Administrative charges 10%				2540
			TOTAL		27938.90


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FIRST YEAR MAINTENANCE (YEAR 2)

1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata		68	68.00
2	Maintenance of 70 Seedling in nursery for casualty replacement in year-2	1.63 / plant	95	19	114.00
3	Repair of fencing	Prorata	166		166.00
4	Casualty replacement 70 plants including redigging of pits, transportation planting, watering and application of insecticides	8.63 / plant	568	36	604.00
5	Weeding and Hoeing in 700 plants in pits two times	2.64 / Plant	3696		3696.00
6	Watch and ward for 12 months @9720/-	prorata / ha	2869		2869.00
7	Misc. and unforeseen expences including (additional watering and forest protection measures etc.	prorata	256	224	480.00
TOTAL YEAR 2			7650	347	7997.00
8	Administrative Charges 10%				800
TOTAL					8796.70
SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)					
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata		68	68.0
2	Watch and ward for 12 months @ 9720/-	prorata	2869		2869.0
3	Misc.and unforeseen expenditure including (repairing of fencing / structures pruning etc.	prorata	510	270	780.0
4	TOTAL YEAR 3.		3379	338.00	3717.00
5	Administrative charges 10%				372
				Total	4088.70
GRAND TOTAL					
	0Year	30346.80			
	First Year	27938.90			
	Second Year	8796.70			
	Third Year	4088.70			
	Fourth Year	4088.70			
	Fifth Year	4088.70			
	Sixth year	4088.70			
	Seventh year	4088.70			
	Eighth year	4088.70			
	Ninth Year	4088.70			
	Tenth Year	4088.70			
	Eleventh Year	4088.70			
	Twelfth Year	4088.70			
	TOTAL	107969.40			
	Say	108000.00			

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