

## कार्यालय प्रधान मुख्य वन संरक्षक, राज0 जयपुर

क्रमांक: एफ ( )2013/मॉडल्स/प्रमुखसं/TREE/ 193-203  
निमित्त,

दिनांक: 30-1-14

परियोजना निदेशक, आरएफबीपी-2, राजस्थान, जयपुर

अतिरिक्त प्रधान मुख्य वन संरक्षक (कैम्पा) राजस्थान, जयपुर

अतिरिक्त प्रधान मुख्य वन संरक्षक एवं मुख्य वन्य जीव प्रतिपालक, राजस्थान, जयपुर

मुख्य वन संरक्षक, अजमेर/जयपुर/जोधपुर/बीकानेर/कोटा/उदयपुर/भरतपुर / I. T. 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 मॉडलस कमेटी की अनुशंसा पर प्रधान मुख्य वन संरक्षक (हॉफ) राजस्थान जयपुर के अनुमोदन उपरांत संलग्न कर आवश्यक कार्यवाही हेतु प्रेषित किये जा रहे हैं। यहाँ पर यह उल्लेखनीय है कि पूर्व ANR के 2 मॉडल (एक RFBP-II व एक Campa) प्रचलन में थे। मॉडल समिति की बैठक दिनांक 09.10.2013 में लिए गए निर्णय के अनुसार RFBP-II में प्रचलित मॉडल के स्थान पर कैम्पा मद में प्रचलित मॉडल ही पूरे प्रदेश कि लिए उपयोग में लिया जावेगा, जो संलग्न है। RFBP-II में पूर्व में प्रचलित ANR मॉडल अब प्रचलन में नहीं रहेगा।

संलग्न :-

1. CANAL SIDE PLANTATION (DISTRIBUTORY)
2. CANAL SIDE PLANTATION (Main Canal)
3. CANAL SIDE PLANTATION (Minor)
4. Block Pantation - I GNP
5. Block Pantation Non - I GNP
6. SAND Dune Stabilisation
7. Silvi Pastoral Plantation- I GNP
8. Silvi Pastoral Plantation Non - I GNP
9. RDF-I
10. RDF-II
11. Fuel Wood Plantation.
12. Productivity Enhancement Oprations.
13. Assisted Natural Regeneration
14. Closure for Biodiversity Conservation
15. Plant Raising Model-1
16. Plant Raising Model-2
17. Plant Raising Model-3
18. Plant Raising Model-4
19. Plant Raising Model-5
20. Plant Raising Model-6
21. Plant Raising Model-7
22. Plant Raising Model-8

भवदीय

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

DCF (17)

30/1/14

Recd (17)

30/1/14

**Model Cost Norms - Canal side Plantation (Distributory)\_RFBP Phase II**

Labour rate Rs. 166 per day  
Unit 100 RKM (33 ha.)  
Perimeter - Average 6200 RM

250 plants per RKM  
Spacing 3MX4M

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
<b>YEAR 0 ADVANCE ACTION</b>					
1	Collection of data for microplan, preparation of microplan and management plan	146/RKM	129.00	17.00	146.00
2	Survey of area, alignment of pits for fencing posts, marking of segments/ plots, preparation of plantation card and journal.	Prorata	103.00	17.00	120.00
3	Fencing on both sides of canal with Cement / Angle iron posts (1.5 mt high, 6 m apart having 4 strand barbed wire)- 62 meters	131.16/M	3277.00	4855.00	8132.00
4	Raising of 300 plants (250 for planting and 20% extra).	4.47/Plant	864.00	477.00	1341.00
5	Purchase of irrigation equipments-				
a	Purchase of 5 HP engine	Prorata	0.00	292.00	292.00
b	Purchase of HDPE/ LGS pipe - (3 inch diameter) 2 m per RKM	Prorata	0.00	275.00	275.00
c	Purchase of PVC pipes of 3 inch dia & 1 inch dia	Prorata	0.00	172.00	172.00
6	Purchase of Tools & plants	Prorata	24.00	90.00	114.00
7	Purchase of Insecticides, Fertilizers - DAP/ NPK/Urea/ vermi compost	Prorata	0.00	211.00	211.00
8	Sign Board including Painting and Fixing	Prorata	9.00	59.00	68.00
9	Watch and Ward for 4 months	Prorata	173.00	0.00	173.00
10	R&M of Motor Vehicles	Prorata	0.00	103.00	103.00
11	Labour Amenities	Prorata	46.00	132.00	178.00
12	Site Clearance including removal of unwanted bushes	243/RKM	217.00	26.00	243.00
13	Cattle guard hut	304/RKM	199.00	105.00	304.00
14	Mulching (to be done on active dunes in 5 Ha area)	Prorata	234.00	0.00	234.00
15	Misc. and unforeseen expenditure.	Prorata	45.00	56.00	101.00
<b>Total</b>			<b>5320.00</b>	<b>6887.00</b>	<b>12207.00</b>
<b>YEAR 1 - PLANTING YEAR</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of 300 Plants in Nursery.	1.46/Plant	362.00	76.00	438.00
2	Digging of 400 RMT trench (0.4mX0.15m) in command area for irrigation	1.66/Meter	664.00	0.00	664.00
3	Transport of 275 plants upto site including loading and unloading (upto 5 kms)	1.27/Plant	322.00	27.00	349.00
4	Planting				
a	Lay out & digging of 45cmx 45cmx 45cm pits and planting of 125 seedlings including local transport and initial watering in command area	10.05/ Plant	1256.00	0.00	1256.00
b	Lay out & digging of 45cmx 45cmx45 cm pits and planting of 125 seedlings including local transport and initial watering with engine in uncommand area.	11.50/Plant	1285.00	152.00	1437.00
5	Irrigation				
a	5 times through watercourse(Khala) or syphon in command area (125 Plants).	1.37/ Plant	856.00	0.00	856.00
b	5 times through engine in uncommand area (125 Plant).	2.79/Plant	994.00	750.00	1744.00
6	Treatment and sowing of seeds on trenches (400 m).	0.34/Meter	136.00	0.00	136.00
7	Weeding and hoeing of 250 Plants	2.28/Plant	570.00	0.00	570.00
8	Hoeing of 50% Plants 5 times (125 Plants)	1.37/Plant	856.00	0.00	856.00
9	Application of fertilisers and pesticides (250 plants)	0.45/plant	60.00	53.00	113.00
10	Raising of 50 plants for replacement	Rs 4.47/ Plant	145.00	79.00	224.00
11	Running & Maintenance of Vehicles	Prorata	0.00	68.00	68.00
12	Maintenance of equipments/watercourses	Prorata	0.00	68.00	68.00
13	Labour amenities	Prorata	68.00	17.00	85.00
14	Watch & ward for 12 months	Prorata	518.00	0.00	518.00
15	Misc and unforeseen expenditure	Prorata	16.00	24.00	40.00
<b>Total</b>			<b>8108.00</b>	<b>1314.00</b>	<b>9422.00</b>
<b>YEAR 2 MAINTENANCE I</b>					

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मिनफूल सिंह  
उ.व.स. (प्रशा.)  
प्र.सु.स. (टी.आर.ई.ई.)  
राज., जयपुर

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of 50 Plants for casualty replacement				
2	Transport of 50 plants from nursery to site for casualty replacement including loading and unloading	1.46/Plant	61.00	12.00	73.00
3	Re-digging of Pits & Planting for casualty replacement including treatment local transport and initial watering	1.27/Plant	59.00	4.00	63.00
a	in command area (25 Plants)				
b	in uncommand area (25 Plants)	7.09/Plant	177.00	0.00	177.00
4	Irrigation	8.55/Plant	183.00	31.00	214.00
a	6 times through watercourse (Khata) or syphon in command area (125 Plants).	1.37/Plant	1028.00	0.00	1028.00
b	6 times through engine in uncommand area (125 Plants).	2.79/Plant	1199.00	893.00	2092.00
5	Weeding and hoeing of 250 plants	2.28/Plant	570.00	0.00	570.00
6	Hoeing of 50% Plants 6 times (125 Plants)	1.37/Plant	1028.00	0.00	1028.00
7	Application of fertilisers and pesticides (250 plants)	0.45/Plants	60.00	53.00	113.00
8	Pruning of Plants as per requirement	Prorata	136.00	0.00	136.00
9	Purchase of PVC Pipes	Prorata	0.00	275.00	275.00
10	Watch & ward for 12 months	Prorata	518.00	0.00	518.00
11	Running & Maintenance of Vehicles/equipments	Prorata	0.00	154.00	154.00
12	Labour amenities	Prorata	35.00	36.00	71.00
13	Misc works like shifting of pipelines, engines etc and unforeseen expenditure/watercourses repair	Prorata	35.00	36.00	71.00
Total			5089.00	1494.00	6583.00
<b>YEAR - 3 MAINTENANCE II</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Irrigation				
a	6 times through watercourse(Khata) or syphon in command area (125 Plants).	1.37/Plant	1028.00	0.00	1028.00
b	6 times through engine in uncommand area (125 Plants).	2.79/Plant	1199.00	893.00	2092.00
2	Hoeing of 50% Plants 6 times (125 plants)	1.37/Plant	1028.00	0.00	1028.00
3	Pruning of Plants as per requirement (125Plants)	Prorata	246.00	0.00	246.00
4	Purchase of PVC Pipe	Prorata	0.00	257.00	257.00
5	Watch & ward for 12 months	Prorata	518.00	0.00	518.00
6	Running & Maintenance of Vehicles	Prorata	0.00	68.00	68.00
7	Maintenance of equipments	Prorata	0.00	86.00	86.00
8	Labour amenities	Prorata	0.00	51.00	51.00
9	Misc works like shifting of pipelines, engines etc. and unforeseen expenditure/watercourses repair	Prorata	42.00	14.00	56.00
Total			4061.00	1389.00	5430.00
<b>YEAR - 4 MAINTENANCE III</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Irrigation				
a	4 times through watercourse (Khata) or syphon in command area (125 plants).	1.37/Plant	685.00	0.00	685.00
b	4 times through engine in uncommand area (125).	2.79/Plant	800.00	595.00	1395.00
2	Hoeing of 50% Plants 4 times (125 Plants)	1.37/Plant	685.00	0.00	685.00
3	Pruning of Plants as per requirement	Prorata	437.00	0.00	437.00
4	Watch & ward for 12 months	Prorata	518.00	0.00	518.00
5	Running & Maintenance of Vehicles	Prorata	0.00	68.00	68.00
6	Maintenance of equipments	Prorata	0.00	68.00	68.00
7	Labour amenities	Prorata	17.00	7.00	24.00
8	Misc works like shifting of pipelines, engines etc. and unforeseen expenditure/watercourses repair	Prorata	27.00	28.00	55.00
Total			3169.00	766.00	3935.00
<b>YEAR - 5 MAINTENANCE IV</b>					

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Irrigation				
a	2 times through watercourse(Khala) or syphon in command area (125 Plants)	1.37/Plant	343.00	0.00	343.00
b	2 times through engine in uncommand area (125 Plants).	2.79/Plant	401.00	297.00	698.00
2	Hoing of 50% Plants 2 times (125 Plants)	1.37/Plant	343.00	0.00	343.00
3	Pruning of Plants as per requirement	Prorata	434.00	0.00	434.00
4	Watch & ward for 12 months	Prorata	518.00	0.00	518.00
5	Running & Maintenance of Vehicles	Prorata	0.00	44.00	44.00
6	Maintenance of equipments	Prorata	0.00	44.00	44.00
7	Misc works like shifting of pipelines, engines etc. and unforeseen expenditure/watercourses repair	Prorata	40.00	34.00	74.00
<b>Total</b>			<b>2079.00</b>	<b>419.00</b>	<b>2498.00</b>
<b>YEAR - 6 MAINTENANCE V</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Irrigation				
	2 times through watercourse (Khala) or syphon in command area (125 Plants)	1.37/Plant	343.00	0.00	343.00
2	Watch & ward for 12 months	Prorata	518.00	0.00	518.00
3	Misc works and unforeseen expenditure/watercourse repair	Prorata	40.00	31.00	71.00
<b>Total</b>			<b>901.00</b>	<b>31.00</b>	<b>932.00</b>
<b>YEAR - 7 MAINTENANCE VI</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & ward for 6 months	Prorata	260.00	0.00	260.00
2	Repairing of fencing	Prorata	93.00	69.00	162.00
<b>TOTAL</b>			<b>353.00</b>	<b>69.00</b>	<b>422.00</b>
<b>Grand Total</b>			<b>29080.00</b>	<b>12349.00</b>	<b>41429.00</b>

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।

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(निष्कूल सिंह)  
: उ.क.सं. (प्रशा.)  
म.स.सं. (टि.आर.ई.ई.)  
जयपुर

# CANAL SIDE PLANTATION (Main Canal) RFBP Phase-II

Unit : 150RKM (50Ha)

Spacing : 3Mx4M

Labour Rate : Rs. 166/- Per Day

Perimeter : 6200 M

Cost Estimate : In Rs. Per RKM

No of Plants : 250 / RKM

## YEAR 0 : ADVANCE ACTION

S.NO.	ITEM OF WORK	RATE	LABOUR COMPONENT IN Rs.	MATERIAL IN Rs.	TOTAL IN Rs.
1	Collection of Data for Micro planning, preparation of micro plan and management plan	Rs.147/Rkm	129	18	147
2	Survey of area, Layout of contour trenches/Furrows, Pits and marking of segment plots	Rs.121/Rkm	103	18	121
3	Fencing on out side of the canal with RCC fencing post1.5 mt ht. ( 6 m apart 4 strand warbed wire in 62 Mtr.	Rs.118/Mt.	3267	4855	8122
4	Raising of 300plants for planting including 20% extra	RS.4.47/plant	864	477	1341
5	Purchase of irrigation equipments		0	0	0
	a. Purchase of 5 HP/ 8HP engine	Prorata	0	224	224
	b. Purchase of HDPE/LGS pipe - (3 inch diameter) 2m per RKM	Rs.138/Rkm	0	138	138
	c. Purchase of PVC pipes of 3 inch dia & 1 inch dia	prorata	0	132	132
6	Purchase of tools, plants & insecticides	prorata	24	66	90
7	Purchase of fertilizers (DAP & Urea,NPK,Vermi compost	prorata	0	198	198
8	Sign board including painting and fixing	prorata	0	46	46
9	Watch & Ward, for 3 months	prorata	129	0	129
10	R&M of Motor Vehicles	prorata	0	66	66
11	Labour Amenities	prorata	33	99	132
12	Site clearance including Removal of unwanted Bushes	960/ha	166	0	166
13	Cattle guard hut	prorata	99	92	191
14	Levelling	960/ha	67	0	67
15	Enterlacing with barbed wire/mulching	Rs.853/Rkm	853	0	853
16	Misc.and unforeseen expenditure	prorata	33	26	59
	<b>TOTAL YEAR 0</b>		<b>5767</b>	<b>6455</b>	<b>12222</b>



YEAR 1 - PLANTING YEAR					
S.NO.	ITEM OF WORK	RATE	LABOUR COMPONENT IN Rs.	MATERIAL IN Rs.	TOTAL IN Rs.
1	Maintenance of 300 plants in Nursery	Rs.1.46/plant	366	72	438
2	Digging of 600 m trench size 0.4x0.15m in command area/ploughing/mulching/V Ditch	Rs.1.66/RMT	996	0	996
3	Transport of 275 plants upto site including loading and unloading (upto 5 kms)	RS.1.28/plant	322	30	352
4	Planting		0	0	0
	a. Lay out of pits & Digging of 45x45x45 cm pit and planting of 125 seedlings including transport and watering in command	Rs.10.04/ plant	1255	0	1255
	b. Lay out of pits & Digging of 45x45x45 cm pit and planting of 125 seedlings including transport and watering with engine in irrigation	Rs.11.50/plant	1285	153	1438
5			0	0	0
	a. 5 times through drain (Khala) or syphon in command area 125 Plants	Rs.1.37/plant	856	0	856
	b. 5 times through engine in uncommand area 125 Plants	RS.2.79/plant	994	750	1744
6	Treatment and sowing of seeds on trenches (400m)	Rs.0.33/RM	132	0	132
7	Weeding and hoeing of 250 plants	Rs.2.27/plant	568	0	568
8	Treatment with urea and fertiliser	Rs.0.45/plant	60	53	113
9	Raising of 50 plants for replacement	Rs.4.48/plant	145	79	224
10	Running of Vehicles	Prorata	0	53	53
11	Maintenance of Engine with oil	Prorata	0	53	53
12	Labour amenities	Prorata	51	18	69
13	Watch & Ward for 12 months	Prorata	346	0	346
14	Misc and unforeseen expenditure	Prorata	10	13	23
15	Hoeing of 50% plants 5 times	Prorata	854	0	854
	TOTAL PLANTING YEAR		8240	1274	9514

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 (Official Seal)

YEAR II MAINTNANCE					
S.NO.	ITEM OF WORK	RATE	LABOUR COMPONENT IN Rs.	MATERIAL IN Rs.	TOTAL IN Rs.
1	Maintenance of Plants 50 plants for casualty replacement	Rs.1.46/plant	61	12	73
2	Transportation of 50 plants from nursery to site for casualty replacement including loading and unloading	Rs.1.28/plant	60	4	64
3	Planting for casualty replacement including treatment, local transport and watering		0	0	0
	a. in command area 25 plants	RS.7.08/plant	177	0	177
	b. in uncommand area 25 plants	Rs.8.56/plant	183	31	214
4	Irrigation		0	0	0
	a. 125 plants in command area - 6 times	Rs.1.36 plant	1020	0	1020
	b. 125 plants in uncommand area 6 times	Rs.2.80/ plant	1199	901	2100
5	Weeding and hoeing 250plants	Rs.2.27/plant	568	0	568
6	Treatment with urea and fertiliser 250 Plants	Rs.0.45/plant	60	53	113
7	Pruning of Plants as per requirement	Prorata	137	0	137
8	Purchase of PVC pipes	Prorata	0	275	275
9	Salary of W/C for 12 month	Prorata	346	0	346
10	Vehicle/Engine maintenance including purchase of POL	Prorata	0	174	174
11	Misc. and unforeseen expenditure (including shifting of pipe lines and engine)	Prorata	51	61	112
12	Hoeing of 50% plants 6 times	Prorata	1024	0	1024
	TOTAL YEAR 2		4886	1511	6397

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YEAR 3 MAINTENANCE					
S.NO.	ITEM OF WORK	RATE	LABOUR COMPONENT	MATERIAL COMPONE	TOTAL IN Rs.
1	Watch and ward charges for 12 months	Prorata	346	0	346
2	Irrigation of plants		0	0	0
	a. 125 plants in command area - 6 times	Rs.1.36/plant	1020	0	1020
	b. 125 plants in uncommand area 6 times	Rs.2.80/plant	1199	901	2100
3	Pruning of 180 plants	Rs.1.36/plant	245	0	245
4	Purchase of PVC pipes	Prorata	0	279	279
5	Maintenance of Engine & repair	Prorata	0	154	154
6	R&M of Vehicle	Prorata	0	53	53
7	Labour amenities	Prorata	0	62	62
8	Misc. and unforeseen expenditure	Prorata	42	67	109
9	Hoing of 50% plants 6 times	Prorata	1024	0	1024
	TOTAL YEAR 3		3876	1516	5392

  
 (Name of the Officer)  
 (Designation)  
 (Date)



YEAR 4 MAINTENANCE						
S.NO.	ITEM OF WORK	RATE	LABOUR COMPONENT	MATERIAL COMPONENT	TOTAL IN Rs.	
1	Watch and ward charges for 12 months	Prorata	346	0	346	
2	Irrigation of plants		0	0	0	
	a. 120 plants in command area - 4 times	Rs.1.36/plant	680	0	680	
	b. 120 plants in uncommand area 4 times	Rs.2.80/plant	800	600	1400	
3	Pruning as per requirement		565	0	565	
4	R&M of Vehicle	Prorata	0	75	75	
5	Maintenance of Engine	Prorata	0	75	75	
6	Misc. & unforeseen expenditure	Prorata	37	52	89	
7	Hoing of 50% plants 4 times	Prorata	683	0	683	
	TOTAL YEAR 4		3111	802	3913	

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 (Place)  
 (Official Seal)

YEAR 5 MAINTENANCE						
S.NO.	ITEM OF WORK	RATE	LABOUR COMPONENT	MATERIAL COMPONENT	TOTAL IN RS>	
1	Watch and ward charges for 12 months	Prorata	346	0	346	
2	Irrigation of plants					
	a. 125 plants in command area - 2 times	Rs.1.36/plant	340	0	340	
	b. 125 plants in uncommand area 2 times	Rs.2.80/plant	401	299	700	
3	Pruning of 80 Plants	Rs.5.43/plant	434	0	434	
4	R&M of Vehicle	Prorata	0	66	66	
5	Maintenance of Engine	Prorata	0	66	66	
6	Hoeing of 50% plants 2 times	Prorata	342	0	342	
7	Misc. & unforeseen expenditure	Prorata	51	40	91	
	TOTAL YEAR 5		1914	471	2385	

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 (Designation)  
 (Date)

YEAR 6 MAINTENANCE					
S.NO.	ITEM OF WORK	RATE	LABOUR COMPONENT	MATERIAL COMPONE	TOTAL IN RS.
1	Watch and ward charges for 12 months	Prorata	346	0	346
2	Irrigation of plants		0	0	0
	a. 125 plants in command area - 2 times	RS.1.36/plant	340	0	340
3	Misc. & unforeseen expenditure	Prorata	51	119	170
	TOTAL YEAR 6		737	119	856
YEAR 7 MAINTENANCE					
S.NO.	ITEM OF WORK	RATE	LABOUR COMPONENT	MATERIAL COMPONE	TOTAL IN RS.
1	Watch and ward charges for 6 months	Prorata	172	0	172
2	Repairing of Fencing	Prorata	96	164	260
	TOTAL YEAR 7		268	164	432
			28799	12312	41111

0 Year 12222  
 I Year 9514  
 II Year 6397  
 III Year 5392  
 IV Year 3913  
 V Year 2385  
 VI Year 856  
 VII Year 432  
**41111**

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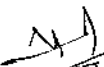
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### Model Cost Norms - Canal side Plantation (Minor)\_RFBP Phase II

Labour rate Rs. 166 per day  
Unit 50 RKM (16.5 Ha)  
Perimeter - Average 6200 RM

Average Perimeter=124m/ha  
250 plants per RKM  
Spacing 3MX4M

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
<b>YEAR 0 ADVANCE ACTION</b>					
1	Collection of data for microplan, preparation of microplan and management plan	146/RKM	129.00	17.00	146.00
2	Survey of area alignment of pits for fencing posts, marking of segments/ plots, preparation of plantation card and journal	Prorata	124.00	33.00	157.00
3	Fencing on both sides of canal with Cement / Angle iron posts (1.5 mt high, 6 m apart having 4 strand barbed wire)- 124 meters	131.16/M	6517.00	9747.00	16264.00
4	Raising of 300 plants (250 for planting and 20% extra).				
5	Purchase of irrigation equipments	4.47/Plant	864.00	477.00	1341.00
a	Purchase of 5 HP engine	Prorata	0.00	583.00	583.00
b	Purchase of HDPE/ LGS pipe - (3 inch diameter) 3 m per RKM	Prorata	0.00	410.00	410.00
c	Purchase of PVC pipes of 3 inch dia & 1 inch dia	Prorata	0.00	340.00	340.00
6	Purchase of Tools & plants	Prorata	25.00	138.00	163.00
7	Purchase of Insecticides, Fertilizers - DAP/ NPK/Urea/ vermi compost	Prorata	0.00	210.00	210.00
8	Sign Board including Painting and Fixing	Prorata	17.00	120.00	137.00
9	Watch and Ward for 4 months	Prorata	345.00	0.00	345.00
10	R&M of Vehicles	Prorata	0.00	68.00	68.00
11	Labour Amenities	Prorata	60.00	145.00	205.00
12	Site Clearance including removal of unwanted bushes.	243/RKM	217.00	26.00	243.00
13	Cattle guard hut	305/RKM	199.00	106.00	305.00
14	Mulching (to be done on active dunes in 2.5 Ha area)	Prorata	234.00	0.00	234.00
15	Misc. and unforeseen expenditure	Prorata	59.00	40.00	99.00
<b>Total</b>			<b>8790.00</b>	<b>12460.00</b>	<b>21250.00</b>
<b>YEAR 1 - PLANTING YEAR</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of 300 Plants in Nursery	1.46/Plant	363.00	75.00	438.00
2	Digging of 400 RMT trench (0.4mX0.15m) in command area for irrigation	1.66/Meter	664.00	0.00	664.00
3	Transport of 275 plants upto site including loading and unloading (upto 5 kms)	1.27/Plant	322.00	29.00	351.00
4	Planting				
a	Laying out & digging of 45cmx 45cmx 45cm pit and planting of 125 seedlings including local transportation and initial watering in command area	10.05/ Plant	1257.00	0.00	1257.00
b	Laying out & digging of 45cmx 45cmx45 cm pit and planting of 125 seedlings including local transportation and initial watering with engine in uncommand area	11.50/Plant	1286.00	153.00	1439.00
5	Irrigation				
a	5 times through watercourses (Khata) or syphon in command area (125 Plants)	1.37/ Plant	854.00	0.00	854.00
b	5 times through engine in uncommand area (125 Plants).	2.79/Plant	1001.00	751.00	1752.00
6	Treatment and sowing of seeds on trenches (400 m).	0.34/Meter	136.00	0.00	136.00
7	Weeding and hoeing of 250 Plants	2.28/Plant	570.00	0.00	570.00
8	Hoeing of 50% Plants 5 times (125 Plants)	1.37/Plant	854.00	0.00	854.00
9	Application of fertilisers and pesticides-250 Plants	0.45/plant	60.00	52.00	112.00
10	Raising of 50 plants for replacement	Rs 4.47/ Plant	145.00	79.00	224.00

  
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11	Running & Maintenance of Vehicles	Prorata	0.00	67.00	67.00
12	Maintenance of equipments	Prorata	0.00	67.00	67.00
13	Labour amenities	Prorata	68.00	17.00	85.00
14	Watch & ward for 12 months	Prorata	1036.00	0.00	1036.00
15	Misc and unforeseen expenditure/repair of watercourses	Prorata	21.00	25.00	46.00
Total			8637.00	1315.00	9952.00

#### YEAR 2 MAINTENANCE I

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of 50 Plants for casually replacement	1.46/Plant	61.00	12.00	73.00
2	Transportation of 50 plants from nursery to site for casualty replacement including loading and unloading	1.27/Plant	60.00	4.00	64.00
3	Re-digging of Pits & Planting for casualty replacement including treatment, local transport and watering				
a	In command area (25 Plants)	7.09/Plant	177.00	0.00	177.00
b	In uncommand area (25 Plants)	8.55/Plant	183.00	31.00	214.00
4	Irrigation				
a	6 times through watercourses (Khala) or syphon in command area (125 Plants).	1.37/Plant	1024.00	0.00	1024.00
b	6 times through engine in uncommand area (125 Plants).	2.79/Plant	1200.00	902.00	2102.00
5	Weeding and hoeing of 250 plants	2.28/Plant	569.00	0.00	569.00
6	Hoeing of 50% Plants 6 times (125 Plants)	1.37/Plant	1024.00	0.00	1024.00
7	Application of fertilisers and pesticides (250 plants)	0.45/Plants	60.00	52.00	112.00
8	Pruning of Plants as per requirement	Prorata	137.00	0.00	137.00
9	Purchase of PVC Pipes	Prorata	0.00	343.00	343.00
10	Watch & ward for 12 months	Prorata	1037.00	0.00	1037.00
11	Running & Maintenance of Vehicles/equipments	Prorata	0.00	152.00	152.00
12	Labour amenities	Prorata	0.00	52.00	52.00
13	Misc works like shifting of pipelines, engines etc. and unforeseen expenditure/repair of watercourses	Prorata	46.00	34.00	80.00
Total			5578.00	1582.00	7160.00

#### YEAR - 3 MAINTENANCE II

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Irrigation				
a	6 times through watercourses (Khala) or syphon in command area (125 Plants).	1.37/Plant	1024.00	0.00	1024.00
b	6 times through engine in uncommand area (125 Plants).	2.79/Plant	1200.00	902.00	2102.00
2	Hoeing of 50% Plants 6 times (125 plants)	1.37/Plant	1024.00	0.00	1024.00
3	Pruning of Plants as per requirement	Prorata	246.00	0.00	246.00
4	Purchase of PVC Pipe	Prorata	0.00	257.00	257.00
5	Watch & ward for 12 months	Prorata	1037.00	0.00	1037.00
6	Running & Maintenance of Vehicles	Prorata	0.00	68.00	68.00
7	Maintenance of equipments	Prorata	0.00	86.00	86.00
8	Labour amenities	Prorata	0.00	52.00	52.00
9	Misc works like shifting of pipelines, engines etc. and unforeseen expenditure/repair of watercourses	Prorata	50.00	24.00	74.00
Total			4581.00	1389.00	5970.00

#### YEAR - 4 MAINTENANCE III

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Irrigation				
a	4 times through watercourses (Khala) or syphon in command area (125 plants)	1.37/Plant	685.00	0.00	685.00
b	4 times through engine in uncommand area (125 plants).	2.79/Plant	799.00	596.00	1395.00
2	Hoeing of 50% Plants 4 times (125 Plants)	1.37/Plant	685.00	0.00	685.00
3	Pruning of Plants as per requirement	Prorata	437.00	0.00	437.00
4	Watch & ward for 12 months	Prorata	1037.00	0.00	1037.00
5	Running & Maintenance of Vehicles	Prorata	0.00	68.00	68.00
6	Maintenance of equipments	Prorata	0.00	68.00	68.00

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 राज. जयपुर

7	Labour amenities	Prorata	18.00	37.00	55.00
8	Misc works like shifting of pipelines, engines etc. and unforeseen expenditure/repair of watercourses	Prorata	32.00	26.00	58.00
Total			3693.00	795.00	4488.00
<b>YEAR - 5 MAINTENANCE IV</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Irrigation				
a	2 times through watercourses (Khala) or syphon in command area (125 Plants).	1.37/Plant	342.50	0.00	342.50
b	2 times through engine in uncommand area (125 Plants).	2.79/Plant	402.00	295.50	697.50
2	Hoing of 50% Plants 3 times (125 Plants)	1.37/Plant	513.75	0.00	513.75
3	Prunning of Plants as per requirement	Prorata	435.00	0.00	435.00
4	Watch & ward for 12 months	Prorata	1037.00	0.00	1037.00
5	Running & Maintenance of Vehicles	Prorata	0.00	44.00	44.00
6	Maintenance of equipments	Prorata	0.00	66.00	66.00
7	Misc works like shifting of pipelines, engines etc. and unforeseen expenditure/repair of watercourses	Prorata	28.75	25.50	54.25
Total			2759.00	431.00	3190.00
<b>YEAR - 6 MAINTENANCE V</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Irrigation				
	2 times through watercourse (Khala) or syphon in command area (125 Plants).	1.37/Plant	342.50	0.00	342.50
2	Watch & ward for 12 months	Prorata	1037.00	0.00	1037.00
3	Misc works and unforeseen expenditure	Prorata	40.50	17.00	57.50
Total			1420.00	17.00	1437.00
<b>YEAR - 7 MAINTENANCE VI</b>					
No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & ward for 6 months	Prorata	518.00	0.00	518.00
2	Repairing of fencing	Prorata	66.00	61.00	127.00
TOTAL			584.00	61.00	645.00
Grand Total			38042.00	18050.00	54092.00

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।

14/1  
(सिनफुल सिंह)  
उ.व.स. (सहा.)  
प्र.मु.व.स. (टी.आर.ई.)  
राज., जयपुर

### Block Plantation\_IGNP

Plantation Unit -12.5 ha (500 m X 250 m)

Average

Perimeter- rate Rs. 166 per day

=1500 m

No. of Plants - 800 per ha.

Perimeter/ha

=120 m

Spacing 3mX4M

Unit for Model calculation- per ha.

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
<b>Year-O Advance Action</b>					
1	Collection of data for microplanning, preparation of microplan and management plan	Prorata	63.00	55.00	118.00
2	Survey of area, alignment of pits for pole fixing, division of area into segments, preparation of treatment map and plantaion card.	Prorata	277.00	94.00	371.00
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) 120 M	Rs.131.16/ RM	6279.00	9460.00	15739.00
4	Raising of 960 plants	Rs. 4.47 plant	2764.00	1527.00	4291.00
5	Purchase of 8 HP Engine	Prorata	0.00	2288.00	2288.00
6	Purchase of PVC/HDPE Pipes of 3 inch dia and 1 inch dia	Prorata	0.00	2252.00	2252.00
7	Purchase of tools and plants	Prorata	32.00	314.00	346.00
8	Purchase of fertilizers and insecticides	Prorata	0.00	660.00	660.00
9	Purchase of Plantation Board including painting and fixing	Prorata	84.00	264.00	348.00
10	Watch and ward for four months	Prorata	1381.00	0.00	1381.00
11	R & M of Vehicle	Prorata	0.00	215.00	215.00
12	Labour amenities	Prorata	277.00	189.00	466.00
13	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata	38.00	112.00	150.00
<b>Total</b>			<b>11195.00</b>	<b>17430.00</b>	<b>28625.00</b>
<b>Year 1 Planting Year</b>					
1	Maintenance of 960 Plants in nursery.	Rs.1.46/ plant	1160.00	241.00	1401.00
2	Raising of 160 Plants for casualty replacement.	Rs.4.47/ plant	461.00	254.00	715.00
3	Transportation of 880 plants from Nursery to plantation site	Rs. 1.28/ Plant	995.00	131.00	1126.00
4	Plantating 800 plants - Planting Activity				
a	Un-command area- Includes digging of pits ; local transportation, treatment of pit with pesticides and fertiliser, making of Thanwala. And initial watering 400 plants	Rs. 8.97/ Plant	3588.00	0.00	3588.00
b	Command area- Includes digging of pits ; local transportation, treatment of pit with pesticides and fertiliser, making of Thanwala. And initial watering 400 plants	Rs. 10.40/ Plant	3678.00	482.00	4160.00
5	Removal of unwanted bushes and ploughing	Prorata	0.00	1452.00	1452.00
6	Digging of 1250 m trench of size 0.40 cm wide and 0.15 cm deep-for irrigation	Rs. 1.66/ RM	2075.00	0.00	2075.00
7	Levelling of area	Prorata	1894.00	0.00	1894.00
8	Watering of plants after replacement- 6 times				
a	400 plants by pump	Rs.2.80/ Plant	3834.00	2886.00	6720.00
b	400 plants by Khata/syphon	Rs. 1.37/ Plant	3288.00	0.00	3288.00
9	Weeding and Hoeing 800 plants two times	Rs. 2.28/ plant	3648.00	0.00	3648.00
10	Hoeing 800 two times	Rs. 1.37/ Plant	2192.00	0.00	2192.00
11	Application of urea and fertilisers	0.45/ plant	190.00	170.00	360.00
12	Purchase of PVC pipes	Prorata	0.00	1935.00	1935.00
13	Maintenance of engine	Prorata	0.00	515.00	515.00
14	Construction of cattle guard hut	Prorata	830.00	858.00	1688.00

15	Watch and Ward charges	Prorata	4143.00	0.00	4143.00
16	R & M of Vehicles	Prorata	0.00	515.00	515.00
17	Labour amenities	Prorata	473.00	34.00	507.00
18	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata	25.00	59.00	84.00
<b>Total</b>			<b>32474.00</b>	<b>9532.00</b>	<b>42006.00</b>
<b>Year-2 Maintenance-I</b>					
1	Maintenance of 160 Plants in nursery.	Rs. 1.46/ plant	194.00	40.00	234.00
2	Transportation of 160 plants	Rs. 1.27/ Plant	203.00	0.00	203.00
3	Re planting of 80 plants in hard soil in command area including digging of pits, treating with pesticides, fertilisers and watering	Rs. 7.09/ Plant	567.00	0.00	567.00
4	Re planting of 80 plants in sandy soil in un-command area including digging of pits, treating with pesticides, fertilisers and watering	Rs. 8.55/ Plant	582.00	102.00	684.00
5	Watering of plants after replacement- 6 times				
a	400 plants by pump	Rs. 2.80/ Plant	3835.00	2885.00	6720.00
b	400 plants by Khala/syphon	Rs. 1.37/ Plant	3288.00	0.00	3288.00
6	Application of urea and fertilisers- 2 times. 800 plants	0.45/ plant	380.00	340.00	720.00
7	Weeding and Hoeing- 800 plants, 2 times	Rs. 2.28/ plant	3648.00	0.00	3648.00
8	Hoeing 800 plants two times	Rs. 1.37/plant	2192.00	0.00	2192.00
9	Khala repair and cleaning	Prorata	349.00	0.00	349.00
10	R&M of vehicles	Prorata	0.00	343.00	343.00
11	Maintenance and repair of engine	Prorata	0.00	343.00	343.00
12	Watch and Ward charges	Prorata	4143.00	0.00	4143.00
13	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata	15.00	9.00	24.00
<b>Total</b>			<b>19396.00</b>	<b>4062.00</b>	<b>23458.00</b>
<b>Year-3 Maintenance-II</b>					
1	Watering of plants- 5 times				
a	400 plants by pump	Rs. 2.80/Plant	3197.00	2403.00	5600.00
b	400 plants by Khala/syphon	Rs. 1.37/Plant	2740.00	0.00	2740.00
2	Hoeing 800 plants two times	Rs. 1.37/Plant	2192.00	0.00	2192.00
3	Khala repair and cleaning	Prorata	280.00	0.00	280.00
4	Purchase of PVC pipes	Prorata	0.00	1056.00	1056.00
5	R&M of vehicles	Prorata	0.00	264.00	264.00
6	Application of urea and fertilisers- 2 times. 800 plants	0.45/ plant	380.00	340.00	720.00
7	Maintenance & repair of Engine	Prorata	0.00	396.00	396.00
8	Pruning and tending of 800 plants	Rs. 1.37/ Plant	1096.00	0.00	1096.00
9	Watch and Ward charges	Prorata	4143.00	0.00	4143.00
10	Miscellaneous expenditure (Labour, Instruments, Machine, repair of watercourse etc)	Prorata	61.00	54.00	115.00
<b>Total</b>			<b>14089.00</b>	<b>4513.00</b>	<b>18602.00</b>
<b>Year-4 - Maintenance-III</b>					
1	Watering of plants 4 times				
a	400 plants by pump	Rs. 2.80/Plant	2566.00	1924.00	4480.00
b	400 plants by Khala/syphon	Rs. 1.37/Plant	2192.00	0.00	2192.00
2	Hoeing 800 plants two times	Rs. 1.37/Plant	2192.00	0.00	2192.00
3	Pruning and tending of 800 plants (2 times)	Rs. 1.37/Plant	2192.00	0.00	2192.00
4	R&M of vehicles	Prorata	0.00	146.00	146.00
5	Maintenance & repair of Engine	Prorata	0.00	330.00	330.00
6	Watch and Ward charges	Prorata	4143.00	0.00	4143.00
7	Miscellaneous expenditure/repair of watercourse	Prorata	87.00	87.00	174.00
<b>Total</b>			<b>13362.00</b>	<b>2487.00</b>	<b>15849.00</b>
<b>Year-5 Maintenance-IV</b>					
1	Watering of plants 2 times				
a	400 plants by pump	Rs. 2.80/Plant	1278.00	962.00	2240.00
b	400 plants by Khala/syphon	Rs. 1.37/Plant	1096.00	0.00	1096.00



2	Pruning and tending of 500 plants	Rs. 5.47/ Plant	2735.00	0.00	2735.00
3	R&M of vehicles	Prorata	0.00	145.00	145.00
4	Maintenance & repair of Engine	Prorata	0.00	238.00	238.00
5	Watch and Ward charges	Prorata	4143.00	0.00	4143.00
6	Miscellaneous expenditure/repair of watercourse	Prorata	24.00	16.00	40.00
Total			9276.00	1361.00	10637.00
<b>Year-6 Maintenance-V</b>					
1	Watering of plants- 2 times				
a) 400 plants by Khala/syphon					
2	Pruning and tending of 450 plants	Rs. 1.37/Plant	1096.00	0.00	1096.00
3	Watch and Ward charges	Rs. 5.47/ Plant	2462.00	0.00	2462.00
4	Miscellaneous expenditure/repair of watercourse	Prorata	4143.00	0.00	4143.00
Total			7729.00	35.00	7764.00
<b>Year-7 Maintenance-IV</b>					
1	Watch and Ward charges four months	Prorata	1381.00	0.00	1381.00
2	Fencing repair	Prorata	136.00	98.00	234.00
Total			1517.00	98.00	1615.00
Grand Total			109038.00	39518.00	148556.00


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

44  
 (मनकूल सिंह)  
 उ.व.सं. (परा.)  
 उ.मु.व.सं. (टी.आर.ई.ई.)  
 राज. जयपुर

### Block Plantation\_Non IGNP (Afforestation Model I)

- |                                           |                            |
|-------------------------------------------|----------------------------|
| 1 Plantation Unit -15 ha. (500 m X 300 m) | 5 Perimeter - 1600 Meters  |
| 2 No. of Plants - 500 per ha.             | 6 Perimeter per ha. -107 m |
| 3 Spacing 4mX5M                           | 7 rate Rs. 166 per day     |
| 4 Unit for Model calculation- per ha.     | 8 period - 8 Years         |

No.	Item of Works	Rate/ Unit (Rs.)	Labour Cost	Material Cost	Total
<b>Year-0 Advance Action</b>					
1	Collection of data for microplanning, Preparation of microplan and management plan	Prorata	63.00	55.00	118.00
2	Survey of area, alignment of pits for pole fixing, division of area into segments, preparation of treatment map, plantation card and making of inspection path.	Prorata	277.00	95.00	372.00
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)107 M	Rs.131.16/ RM	5602.00	8432.00	14034.00
4	Water and Soil Conservation measures in plantation area A. Digging V- ditch 200 RM/Ha. B. Construction of Check Dam/Nadi	Rs. 16.94/RM Prorata	3388.00 969.00	0.00 661.00	3388.00 1630.00
5	Raising of 550 plants				
a	Shady Plants (one year old) 110 Plants	Rs. 5.76/plant	430.00	204.00	634.00
b	Thorny Plants (6 Months old) 440 plants	Rs. 3.18/plant	807.00	592.00	1399.00
6	Digging pits for 500 plants	Rs. 8.85/pit	4425.00	0.00	4425.00
7	Expenditure on purchase of pesticides	Prorata	0.00	473.00	473.00
8	Purchase of Nitrogen fertilizers	Prorata	0.00	236.00	236.00
9	Purchase of seeds of grasses (sewan/ dhaman) 2.5 KG and indigenous tree species (kumut, ber, khejari, raunj, etc.) 2.5 KG	Prorata	139.00	189.00	328.00
10	Construction of one water storage tank-50,000 liters capacity	Prorata	5913.00	4117.00	10030.00
11	Construction of cattle guard hut	Prorata	277.00	189.00	466.00
12	R & M of Vehicle	Prorata	0.00	95.00	95.00
13	Plantation Board	Prorata	12.00	245.00	257.00
14	Plantation Gate	Prorata	277.00	440.00	717.00
15	watch and ward for four months	Prorata	1152.00	0.00	1152.00
16	Expenditure on purchase of Material for irrigation measures except traditional system	Prorata	0.00	172.00	172.00
17	Miscellaneous expenditure (Labour, instruments, Machine etc)	Prorata	43.00	231.00	274.00
<b>Total</b>			<b>23774.00</b>	<b>16426.00</b>	<b>40200.00</b>
<b>Year-1 Planting Year</b>					
1	Maintenance of Plants in nursery.				
a	Shady Plants 110 plants	Rs. 1.31/plant	121.00	23.00	144.00
b	Thorny Plants 440 plants	Rs. 1.60/plant	591.00	113.00	704.00
2	Raising of Plants for casualty replacement.				
a	One year old 22 Plants	Rs. 5.75/plant	86.00	41.00	127.00
b	Six months old 88 Plants	Rs. 3.19/plant	162.00	119.00	281.00
3	Transportation of 550 plants from Nursery to plantation site	Rs. 2.34/plant	946.00	341.00	1287.00
4	Planting 500 plants - Planting Activity @ 5.30 & Initial Watering @ 9.39				
	Includes digging of pits, local transportation, treatment of pit with pesticides and fertiliser, making of Thanwala, and initial watering	Rs. 14.69/plant	7345.00	0.00	7345.00

  
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5	Ploughing with tractor disc-plough in rows of 5 meter distance and sowing of seeds on trenches and in ploughed area- A. Ploughing with tractor in between plant rows	Prorata	0.00	708.00	708.00
	B. Seeds sowing in ploughed area and on V-ditches	Prorata	1038.00	0.00	1038.00
6	Seed sowing of kumtha, ber, raunj, etc. near fencing or/and planting thor (as per availability near the site)	Prorata	152.00	0.00	152.00
7	Watering-				
a	450 plants four times per year (15 ltr. Per plant) (1600-200=1600)	Rs. 8.99/plant	12028.00	2356.00	14384.00
b	200 plants from rain water available in tanka/s (one time)	Rs.5.68/plant	1136.00	0.00	1136.00
8	Weeding and Hoeing 450 plants after rains	Rs. 2.95/plant	1328.00	0.00	1328.00
9	Hoeing of 450 plants after each watering (4 times)	Rs. 1.83/plant	3294.00	0.00	3294.00
10	Protection cover for 50 plants from heat/cold	Rs. 5.90/plant	277.00	18.00	295.00
11	Pruning of 10% plants (50 plant)	Rs. 1.60/plant	80.00	0.00	80.00
12	Watch and Ward charges	Prorata	3456.00	0.00	3456.00
13	R & M of Vehicle	Prorata	0.00	160.00	160.00
14	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata	52.00	198.00	250.00
<b>Total</b>			<b>32092.00</b>	<b>4077.00</b>	<b>36169.00</b>
<b>Year-2 Maintenance-I</b>					
1	Maintenance of Plants in nursery				
a	One year old 22 Plants	Rs. 1.32/plant	25.00	4.00	29.00
b	Six months old 88 Plants	Rs. 1.61/plant	119.00	23.00	142.00
2	Transportation of 110 plants from nursery to plantation site	Rs. 2.34/plant	190.00	67.00	257.00
3	Planting of 100 plants after re-digging of pits, treating with pesticides, using chemical fertilizers and watering with local transportation and making of thanwas, making thanwas and planting.@ Rs 10.08. initial watering, Rs 9.29, Total =19.37	Rs. 19.37/plant	1786.00	151.00	1937.00
4	Watering				
a	Watering 450 plants three times per year (15 ltr./ plant) (1350-200=1150)	Rs. 9.00/plant	8698.00	1652.00	10350.00
b	200 plants from rain water available in tanka/s-one time	Rs. 5.68/plant	1136.00	0.00	1136.00
4	Weeding and Hoeing of 450 plants after rains	Rs. 2.95/plant	1328.00	0.00	1328.00
5	Hoeing of 450 plants after each watering (three times)	Rs. 1.83/plant	2471.00	0.00	2471.00
6	Protection cover for 50 plants from heat/cold	Rs. 5.91/plant	277.00	19.00	296.00
7	Pruning of 70% plants (350 plant)	Rs. 1.60/plant	560.00	0.00	560.00
8	Repair of Fencing	Prorata	54.00	19.00	73.00
9	Expenditure of maintenance of vehicles and contract vehicles	Prorata	0.00	126.00	126.00
10	Watch and Ward charges	Prorata	3456.00	0.00	3456.00
11	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata	43.00	176.00	219.00
<b>Total</b>			<b>20143.00</b>	<b>2237.00</b>	<b>22380.00</b>
<b>Year-3 Maintenance-II</b>					
1	Watering -A. 50 plants once per year (15 ltr. Per plant)	Rs. 9.00/plant	382.00	68.00	450.00
	B. 200 plants from rain water available in tanka/s	Rs. 5.68/plant	1136.00	0.00	1136.00
2	Weeding and Hoeing 250 plants after rains	Rs. 2.95/plant	738.00	0.00	738.00
3	Hoeing of 250 plants (one time)	Rs. 1.83/plant	458.00	0.00	458.00
4	Pruning of 20% plants (100 plants)	Rs. 1.60/plant	160.00	0.00	160.00

5	Watch and Ward charges	Prorata	3456.00	0.00	3456.00
6	Miscellaneous expenditure (Labour, Instruments, Machine etc)	Prorata	97.00	43.00	140.00
<b>Total</b>			<b>6427.00</b>	<b>111.00</b>	<b>6538.00</b>
<b>Year-4 Maintenance-III</b>					
1	Watch and Ward charges	Prorata	3456.00	0.00	3456.00
2	Fencing repair	Prorata	55.00	19.00	74.00
3	Miscellaneous expenditure	Prorata	18.00	119.00	137.00
<b>Total</b>			<b>3529.00</b>	<b>138.00</b>	<b>3667.00</b>
<b>Year-5 Maintenance-IV</b>					
1	Watch and Ward charges	Prorata	3456.00	0.00	3456.00
2	Fencing repair	Prorata	55.00	19.00	74.00
3	Miscellaneous expenditure	Prorata	18.00	119.00	137.00
<b>Total</b>			<b>3529.00</b>	<b>138.00</b>	<b>3667.00</b>
<b>Year-6 Maintenance-V</b>					
1	Watch and Ward charges	Prorata	3456.00	0.00	3456.00
2	Fencing repair	Prorata	55.00	19.00	74.00
3	Miscellaneous expenditure	Prorata	18.00	119.00	137.00
<b>Total</b>			<b>3529.00</b>	<b>138.00</b>	<b>3667.00</b>
<b>Year-7 Maintenance-VI</b>					
1	Watch and Ward charges	Prorata	3456.00	0.00	3456.00
2	Fencing repair	Prorata	55.00	19.00	74.00
3	Miscellaneous expenditure	Prorata	18.00	119.00	137.00
<b>Total</b>			<b>3529.00</b>	<b>138.00</b>	<b>3667.00</b>
<b>Grand Total</b>			<b>96552.00</b>	<b>23403.00</b>	<b>119955.00</b>

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।

4-1  
 (मिलभूल सिंह)  
 उ.व.स. (पुशा)  
 प्र.मु.सं. (टी.आर.ई.ई.)  
 राज., जयपुर

## Model Cost Norms Sand Dune Stabilisation RFBP Phase II

Labour rate Rs. 166 per day

Unit - 25 Ha

No. of Plants 600


Perimeter - Average 2050 RM (625 MX400M)

Spacing 4MX5M (in interdunal Area)

No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
<b>YEAR- 0 Advance Action</b>					
1	Collection of data for microplanning, preparation of microplan and management plan	Prorata	207.00	79.00	286.00
2	Survey of area, alignment of pits for fencing posts, division of area into segments, preparation of treatment map, plantation Journal and card.	Prorata	277	95	372.00
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) 82 M	Rs. 131.16/ Meter	4281	6474	10755.00
4	Raising of plants				
a	One year old 110 Plants	Rs. 5.76/ Plant	430	204	634.00
b	Six months old 550 Plants	Rs. 3.18/ Plant	1012	737	1749.00
5	Purchase of pesticides, fertilisers, etc.	Prorata	0	708	708.00
6	Digging of 100 pits $((0.4M+0.5M)/2)^2 \times 0.45M$	Rs. 5.90/ pit	590	0	590.00
7	Purchase of 4 kg seeds/ ha. (khimp, tumba, sonamukhi sewan, etc.)	Prorata	0	132	132.00
8	Mulching on shifting dunes (on an average in 20% area) 800 m /Ha	Rs. 8.11/ M	6488	0	6488.00
9	Construction of water storage tanks/Water harvesting structures and other SMC works	Prorata	3547	2458	6005.00
10	Construction of cattle guard hut (Jhumpa)	Prorata	166	113	279.00
11	Running and Maintenance of Vehicles	Prorata	0	57	57.00
12	Purchase of plantation board, its painting and fixing on site.	Prorata	33	322	355.00
13	Construction of plantation gate (including purchase of material)	Prorata	166	264	430.00
14	Purchase of material for watering purposes.	Prorata	0	86	86.00
15	Watch and Ward for 2 months.	Prorata	346	0	346.00
16	Miscellaneous expenditure like labour amenities, tools and plants, etc.	Prorata	147	146	293.00
<b>Total</b>			<b>17690.00</b>	<b>11875.00</b>	<b>29565.00</b>

**YEAR 1 - PLANTING YEAR**

No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of Plants in nursery-				
a	One year old 110 Plants	Rs. 1.31/plant	122	22	144.00
b	Six months old 550 Plants	Rs. 1.60/plant	722	158	880.00
2	Raising of Plants for casualty replacement.				
a	One year old 32 Plants	Rs. 5.76/ Plant	125	59	184.00
b	Six months old 100 Plants	Rs. 3.18/ Plant	184	134	318.00
3	Making and sowing of pellets / balls-				
a	Making of pellets / balls total quantity will be 24 kg. (Ratio of seed, manure, sand & clay will be 1:1:2:2) rate Rs. 42.84/ 6 kg.	Rs. 42.84/6 kg	118	53	171.00
b	Sowing of pellets/ balls.	Rs. 166/6 kg	664	0	664.00
4	Transportation of 660 plants from Nursery to Plantation site.	Rs. 2.34/ plant	1132	412	1544.00
5	Planting in sandy soil- Planting Activity @ 5.88 & Initial Watering @ 10.06				
	Includes digging of pits ; local transportation, treatment of pit with pesticides and fertiliser, making of Thanwala. And initial watering ( 500 plants)	Rs. 15.94/ Plant	7263	707	7970.00
6	Planting in interdunal area- Planting Activity @ 5.25 & Initial Watering @ 9.10				
	Includes local transportation, treatment of pit with pesticides and fertiliser, making of Thanwala and initial watering (100 Plants)	Rs.14.35/ Plant	1304	131	1435.00
7	Watering of 540 plants, twice in a year (15 liters per watering)				
a	on uneven sand dunes 450 Plants	Rs. 9.76/ plant	6965	1819	8784.00
b	on even surface (twice) 90 plants	Rs. 9.02/ plant	1365	258	1623.00
c	on even surface from water in tanka (once)90 plants	Rs. 5.68/ Plant	511	0	511.00
8	Weeding & Hoeing of 90 plants in interdunal area-				
a	Weeding & Hoeing of plants after rains	Rs. 2.95/ plant	265	0	265.00
b	Hoeing (three times) after every watering	1.82/ plant	491	0	491.00
9	Silvicultural operations (in interdunal area) like protection from heat & cold, pruning etc.	Prorata	622	92	714.00
10	Watch & ward	Prorata	2071	0	2071.00
11	Running & Maintenance of Vehicles	Prorata	0	95	95.00
12	Miscellaneous expenditure like labour amenities, tools and plants, etc.	Prorata	44	188	232.00
<b>Total</b>			<b>23968.00</b>	<b>4128.00</b>	<b>28096.00</b>
<b>YEAR 2 - Maintenance I</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total

  
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 राज., जयपुर

1	Maintenance of Plants in nursery-				
a	One year old 32 Plants	Rs. 1.31/plant	35	7	42.00
b	Six months old 100 Plants	Rs. 1.60/plant	134	26	160.00
2	Transportation of 110 plants from Nursery to Plantation site.	Rs. 2.34/ plant	188	69	257.00
3	Planting in sandy soil- Planting Activity @ 5.88 & Initial Watering @ 10.06				
	Includes digging of pits ; local transportation, treatment of pit with pesticides and fertilisers, making of Thanwala and initial watering (80 Plants)	Rs. 15.94/ Plant	1162	113	1275.00
4	Planting in interdunal area- Planting Activity @ 8.25 & Initial Watering @ 9.25				
	Includes re-digging of pits in interdunal area ; local transportation, treatment of pit with pesticides and fertilisers, making of Thanwala and initial watering (20 plants)	Rs. 17.50/ Plant	323	27	350.00
5	Watering of 540 plants, thrice in a year (15 litres per				
a	on sand dunes (three times) 450 plants	Rs. 9.76/ plant	10448	2728	13176.00
b	on even surface/interdunal area (three times) 90 plants	Rs. 9.02/ plant	2047	388	2435.00
c	on even surface from water in tanka (once)90 plants	Rs. 5.68/ Plant	511	0	511.00
6	Weeding &Hoeing of plants in interdunal area (90				
a	Weeding &Hoeing of plants after rains	Rs. 2.95/ plant	265	0	265.00
b	Hoeing (four times) after every watering	1.82/ plant	655	0	655.00
7	Silvicultural operations (in interdunal area) like protection from heat & cold, pruning etc.	prorata	1061	75	1136.00
8	Watch & ward	prorata	2071	0	2071.00
9	Running & Maintenance of Vehicles	prorata	0	75	75.00
10	Miscellaneous expenditure (labour amenities, Tool & plants, fencing repair, etc.	prorata	73	219	292.00
Total			18973.00	3727.00	22700.00
<b>YEAR 3 - Maintenance II</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watering of 250 plants, once in a year (15 liters per				
a	on uneven sand dunes (160 Plants)	Rs. 9.76/ plant	1320	241	1561.00
c	on even surface from water in tanka (90 Plants)	Rs. 5.68/ Plant	511	0	511.00
2	Weeding &Hoeing of plants in interdunal area-				
	Hoeing after watering	1.82/ plant	163	0	163.00
3	Pruning (90 plants)	1.78/ plant	160	0	160.00
4	Watch & ward	prorata	2071	0	2071.00
5	Miscellaneous expenditure	prorata	43	171	214.00
Total			4268.00	412.00	4680.00

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 (निम्नलिखित)  
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 राज. प्रयाग

YEAR 4 - Maintenance III					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & ward		2071	0	2071.00
2	Miscellaneous expenditure	Prorata	148.00	39.00	187.00
Total			2219.00	39.00	2258.00
YEAR 5 - Maintenance IV					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & ward		2071	0	2071.00
2	Miscellaneous expenditure	Prorata	148.00	39.00	187.00
Total			2219.00	39.00	2258.00
YEAR 6 - Maintenance V					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & ward		2071	0	2071.00
2	Miscellaneous expenditure	Prorata	148.00	39.00	187.00
Total			2219.00	39.00	2258.00
YEAR 7 - Maintenance VI					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & ward for 6 months		1036.00	0.00	1036.00
2	Miscellaneous expenditure	Prorata	25.00	44.00	69.00
Total			1061.00	44.00	1105.00
Grand Total			72617.00	20303.00	92920.00

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।

मिनफूल सिंह  
 - डायर (गिफ्ट)  
 प्रमुख, प्रशासकीय  
 रा.क. जयपुर



### Model Cost Norms silvi-pastoral plantation in IGNP area RFBP Phase II

Labour rate Rs. 166 per day

Unit- 50 Ha

Perimeter - Average 3000 RM (625 MX400M)

Perimetre/ha- 60 m

No. of Plants- 200


Spacing -5MX5M

No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
<b>YEAR- 0 Advance Action</b>					
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata	103.00	40.00	143.00
2	Survey of area, alignment of pits for pole fixing, division of area into segments, preparation of treatment map and plantation card.	Prorata	251	44	295.00
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	Rs. 131.16/ Metre	3139	4730	7869.00
4	Raising of 240 plants for planting including 20% extra	Rs. 5.77/ Plant	942	443	1385.00
5	Raising of Sewan Grass slips and other indigenous plants in 10cmX15 cm bags (includes 20% extra)				
a	Sewan Grass 960 slips	Rs. 1.47/ plant	928	483	1411.00
b	Other indigenous plants like ber khejari, raunj , etc. 240 plants	Rs. 1.47/ plant	232	121	353.00
6	Purchase of irrigation equipments				
a.	Purchase of 8 HP Engine	Prorata	0	600	600.00
b.	Purchase of HDPE/LGS pipe (3 inch diameter) 13.2 m per Ha	Prorata	0	1698	1698.00
c.	Purchase of PVC pipes of 3 inch dia & 1 inch dia	Prorata	0	515	515.00
7	Purchase of tools, plants & insecticides	Prorata	0	138	138.00
8	Purchase of fertilizers, DAP & Urea Vermi compost, NPK	Prorata	0	330	330.00
9	Sign board including painting and fixing	Prorata	0	103	103.00
10	Purchase of seeds of Sewan grass/ Ber/Khejari and other indigenous species (6 Kg/Ha)	Prorata	0	309	309.00
11	Construction of Cattle guard hut	Prorata	332	177	509.00
12	R & M of Vehicle	Prorata	0	172	172.00
13	Labour amenities	Prorata	0	64	64.00
14	Watch & Ward for 4 months	Prorata	346	0	346.00
15	Misc. and unforeseen expenditure	Prorata	20	73	93.00
<b>TOTAL YEAR 0</b>			<b>6293.00</b>	<b>10040.00</b>	<b>16333.00</b>
<b>YEAR 1 - PLANTING YEAR</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of 240 plants in Nursery	Rs.1.31/plant	259	55	314.00
2	Maintenance of Sewan Grass and plants in 10cmX15 cm bags (includes 20% extra)				
a	Sewan Grass ( 960)	Rs.0.76/ plant	569	161	730.00

Models RFBP-2013

4A  
(सिफुल सिंह)  
उ.व.स. (प्रशा.)  
प्र.मु.व.स. (टी.आर.ई.ई.)  
राज. जयपुर

b	Other indigineous plants like ber khejari, raunj ,etc. (240)	Rs.0.76/ plant	142	40	182.00
3	Construction of Nadi/ water storage tanks	Prorata	664	686	1350.00
4	600 m trench digging- of size 20cmX30cmX50 cm for irrigation	Rs. 1.37/M	822	0	822.00
5	Transport of 220 plants upto site including loading and unloading (upto 5 kms.)	Rs. 1.29/plant	261	23	284.00
6	Transport of 800 grass slips and 200 plants raised in 10 cmX15cm bags upto site including loading and unloading (upto 5 kms.)	Rs. 0.71/plant	568	0	568.00
7	Mulching on shifting sand dunes (200 m/Ha)	Rs. 5.58/m	1116	0	1116.00
8	Sowing of grass seeds	Prorata	150	0	150.00
9	Planting-				
	a. Digging of 45cm×45cm×45 cm pit and planting of 200 plants	Rs 10.34/pit	1882	186	2068.00
	b. Planting of 800 grass slips and 200 pre-	Rs 2.05/plant	1366	684	2050.00
10	Watering of 200 plants (4 times)	Rs 3.03/plant	1456	968	2424.00
11	Watering of 1000 grass slips/plants on trenches (3 times)	Rs 1.66/plant	2934	2046	4980.00
12	Weeding and hoeing of 200 plants	Rs 2.28/plant	456	0	456.00
13	Application of urea and fertilizer ( 200 Plants )	Rs 0.46/plant	55	37	92.00
14	Raising of 40 plants for casualty replacement	Rs. 5.77/ Plant	157	74	231.00
15	Running & Maintenance of Vehicles	Prorata	0	103	103.00
16	Maintenance of Engine.	Prorata	0	68	68.00
17	Labour amenities	Prorata	0	136	136.00
18	Watch & Ward for 12 months	Prorata	1037	0	1037.00
19	Misc. and unforeseen expenditure	Prorata	28	38	66.00
<b>TOTAL PLANTING YEAR 1</b>			<b>13922.00</b>	<b>5305.00</b>	<b>19227.00</b>
<b>YEAR 2 - MAINTANANCE-I</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of 40 plants in Nursery	Rs 1.31/plant	43	9	52.00
2	Transportation of 40 plants from nursery to site for casualty replacement including loading and unloading(upto 5km)	Rs. 1.30/plant	46	6	52.00
3	Planting for casualty replacement including treatment, local transport and watering 40 Plants	Rs. 8.15/plant	288	38	326.00
4	Irrigation -				
a	Before casualty replacement				
i	160 plants watering 1 time	Rs. 3.02/plant	290	193	483.00
ii	750 grass slips/plants on trenches - 1 watering	Rs. 1.65/plant	729	509	1238.00
b	After casualty replacement				
i	200 plants- 2 waterings	Rs. 3.02/plant	725	483	1208.00
ii	750 grass slips/plants on trenches - 1 watering	Rs. 1.65/plant	728	510	1238.00
5	Running & Maintenance of Vehicles	Protata	0	103	103.00
6	Maintenance of Engine.	Protata	0	103	103.00
7	Labour amenities	Protata	0	172	172.00

  
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8	Purchase of PVC pipes of 1 Inch dia	Protata	0	185	185.00
9	Watch & Ward for 12 months	Protata	1036	0	1036.00
10	Miscellaneous and unforeseen expenditure	Protata	73	60	133.00
Total Year 2			3958.00	2371.00	6329.00
<b>YEAR 3 - MAINTENANCE-II</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 12 months	Prorata	1036	0	1036.00
2	Irrigation of plants- Watering - 2 times (180 plants)	Rs. 3.02/plant	654	433	1087.00
3	Maintenance of Engine with oil etc.	Prorata	0	68	68.00
4	Miscellaneous and unforeseen expenditure	Prorata	38	11	49.00
Total Year 3			1728	512	2240.00
<b>YEAR 4 : MAINTENANCE-III</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 12 months	Prorata	1036	0	1036.00
2	Irrigation of plants- Watering - 2 times (180 plants)	Rs. 3.02/plant	654	433	1087.00
3	Maintenance of Engine with oil etc.	Prorata	0	68	68.00
4	Miscellaneous and unforeseen expenditure	Prorata	35	11	46.00
Total Year 4			1725.00	512.00	2237.00
<b>YEAR 5 : MAINTENANCE-IV</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 12 months	Prorata	1036	0	1036.00
2	Fencing repairing etc	Prorata	24	20	44.00
Total Year 5			1060.00	20.00	1080.00
<b>YEAR 6 : MAINTENANCE-V</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 12 months	Prorata	1036	0	1036.00
2	Fencing repairing etc	Prorata	24	20	44.00
Total Year 6			1060.00	20.00	1080.00
<b>YEAR 7 : MAINTENANCE-VI</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 4 months	Prorata	346	0	346.00
2	Fencing repairing etc	Prorata	26	20	46.00
Total Year 7			372.00	20.00	392.00
Grand Total			30118.00	18800.00	48918.00

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।

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## Model Cost Norms silvi-pastoral plantation in Non-IGNP area RFBP Phase II

Labour rate Rs. 166 per day

Unit- 50 Ha


Perimeter - Average 3000 RM (1000 MX500M)

No. of Plants- 200

Spacing - 5MX5M

No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
<b>YEAR- 0 Advance Action</b>					
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata	103.00	40.00	143.00
2	Survey of area, alignment of pits for pole fixing,	Prorata	251	44	295.00
3	Fencing of plantation area with 1.5 mt. high Angle	Rs. 131.16/	3139	4730	7869.00
4	Raising of 240 plants for planting including 20% extra	Rs. 5.77/ Plant	942	443	1385.00
5	Raising of Sewan Grass and plants in 10cmX15				
a	Sewan Grass 960 slips	Rs. 1.47/ plant	928	483	1411.00
b	Other indigineous plants like ber khejari, raunj , etc. 240 plants	Rs. 1.47/ plant	232	121	353.00
6	Construction of water storage tanks/Water harvesting structures	Prorata	332	396	728.00
7	Purchase of tools, plants & insecticides	Prorata	0	138	138.00
8	Purchase of fertilizers, DAP & Urea Vermi compost, NPK	Prorata	0	165	165.00
9	Sign board including painting and fixing	Prorata	0	103	103.00
10	Purchase of seeds of Sewan grass/ Ber/Khejari and other indegenous species (6 Kg/Ha)	Prorata	0	309	309.00
11	Construction of Cattle guard hut	Prorata	332	177	509.00
12	R & M of Vehicle	Prorata	0	172	172.00
13	Labour amenities	Prorata	0	64	64.00
14	Watch & Ward for 4 months	Prorata	346	0	346.00
15	Misc. and unforeseen expenditure	Prorata	18	75	93.00
<b>TOTAL YEAR 0</b>			<b>6623.00</b>	<b>7460.00</b>	<b>14083.00</b>
<b>YEAR 1 - PLANTING YEAR</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of 240 plants in Nursery	Rs.1.31/plant	259	55	314.00
2	Maintenance of Sewan Grass and plants in 10cmX15 cm bags (includes 20% extra)				
a	Sewan Grass ( 960)	Rs.0.76/ plant	569	161	730.00
b	Other indigineous plants like ber khejari, raunj , etc. (240)	Rs.0.76/ plant	142	40	182.00
3	600 m trench digging- of size 20cm deepX30cm at bottom and 50 cms at top- for irrigation	Rs. 1.37/M	820	0	820.00
4	Transport of 220 plants upto site including loading and unloading (upto 5 kms.)	Rs. 1.29/plant	261	23	284.00
5	Transport of 800 grass slips and 200 plants raised in 10 cmX15cm bags upto site including loading and unloading (upto 5 kms.)	Rs. 0.71/plant	568	0	568.00
6	Mulching on shifting sand dunes (200 m/Ha)	Rs. 5.58/m	1116	0	1116.00

Models RFBP-2013

  
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7	Sowing of grass seeds				
8	Planting	Prorata	150	0	150.00
	a. Digging of 45 cm×45 cm×45 cm pit and planting of 200 plants	Rs 10.34/pit	1882	186	2068.00
	b. Planting of 800 grass slips and 200 pre-germinated plants, including local transport and watering	Rs 2.05/plant	1366	684	2050.00
9	Watering of 200 plants (4 times)	Rs 9.00/plant	6055	1145	7200.00
10	Weeding and hoeing of 200 plants	Rs 2.28/plant	456	0	456.00
11	Hoeing of 200 plants 3 times	Rs. 1.37/M	822	0	822.00
12	Application of urea and fertilizer ( 200 Plants )	Rs 0.46/plant	56	36	92.00
13	Raising of 40 plants for casualty replacement	Rs. 5.77/ Plant	157	74	231.00
14	Running & Maintenance of Vehicles	Prorata	0	103	103.00
15	Labour amenities	Prorata	0	138	138.00
16	Watch & Ward for 12 months	Prorata	1036	0	1036.00
17	Misc. and unforeseen expenditure	Prorata	30	40	70.00
<b>TOTAL PLANTING YEAR 1</b>			<b>15745.00</b>	<b>2665.00</b>	<b>16430.00</b>

**YEAR 2 - MAINTANANCE-I**

No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Maintenance of 40 plants in Nursery	Rs 1.31/plant	43	9	52.00
2	Transportation of 40 plants from nursery to site for casualty replacement including loading and unloading(upto 5km)	Rs. 1.29/plant	45	7	52.00
3	Planting for casualty replacement including treatment, local transport and watering 40 Plants	Rs. 8.13/plant	288	37	325.00
4	Irrigation				
	A. Before casualty rep.'acement-				
	160 plants- watering- one time	Rs 9.00/plant	1211	229	1440.00
	B. After casualty replacement-				
	200 plants -2 waterings	Rs 9.00/plant	3028	572	3600.00
5	Hoeing of 200 plants 3 times	Rs. 1.37/M	820	0	820.00
6	Running & Maintenance of Vehicles	Protata	0	103	103.00
7	Labour amenities	Protata	0	172	172.00
8	Watch & Ward for 12 months	Protata	1036	0	1036.00
9	Misc. and unforeseen expenditure	Protata	72	62	134.00
<b>Total Year 2</b>			<b>6543.00</b>	<b>1191.00</b>	<b>7734.00</b>

**YEAR 3 - MAINTENANCE-II**


No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 12 months	Prorata	1036	0	1036.00
2	Irrigation of plants				
	a. Watering - 2 times (180 plants)	Rs 9.00/plant	2723	517	3240.00
3	Hoeing of 180 plants 2 times	Rs. 1.37/M	493	0	493.00
4	Misc. and unforeseen expenditure	Prorata	36	8	44.00
<b>Total Year 3</b>			<b>4288.00</b>	<b>525.00</b>	<b>4813.00</b>

**YEAR 4 : MAINTENANCE-III**

No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 12 months	Prorata	1036	0	1036.00

2	Irrigation of plants-				
	Watering - 2 times (180 plants)	Rs 9.00/plant	2723	517	3240.00
3	Hoeing of 180 plants 2 times	Rs. 1.37/M	493	0	493.00
4	Misc. and unforeseen expenditure	Prorata	36	8	44.00
Total Year 4			4288.00	525.00	4813.00
<b>YEAR 5 : MAINTENANCE-IV</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 12 months	Prorata	1036	0	1036.00
2	Fencing reparing etc	Prorata	24	19	43.00
Total Year 5			1060.00	19.00	1079.00
<b>YEAR 6 : MAINTENANCE-V</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 12 months	Prorata	1036	0	1036.00
2	Fencing reparing etc	Prorata	24	19	43.00
Total Year 6			1060.00	19.00	1079.00
<b>YEAR 7 : MAINTENANCE-VI</b>					
No.	Item of Works	Rate/unit (Rs.)	Labour Cost	Material Cost	Total
1	Watch & Ward charges for 4 months	Prorata	346	0	346.00
2	Fencing reparing etc	Prorata	22	23	45.00
Total Year 7			368.00	23.00	391.00
Grand Total			39975.00	12447.00	52422.00

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 गा.ज. जयपुर

### Model Cost Norms for RDF I

Labour rate Rs. 166 per day

Unit- 50 Ha

Perimeter - Average 3000 RM (1000 MX500M)

No. of Plants - 500


Spacing- 4MX5M

S. No.	Item of Works	Rate	Labour Cost	Material Cost	Total
<b>YEAR- 0 Advance Action</b>					
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata	387.00	47.00	434.00
2	Survey of area, Layout of contour trenches/Furrows, Pits and marking of segments/plots	Prorata	304.00	47.00	351.00
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.)	Rs. 166/m	4980.00	0.00	4980.00
b	Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	Rs. 180/m	5400.00	0.00	5400.00
4	Cost of raising 550 seedlings	Rs. 5.77/ Plant	2158.00	1016.00	3174.00
5	Raising of 240 plants in 10cmX15 cm bags for planting on mounds of trenches and V ditches (includes 20% extra)	Rs. 1.47/ plant	232.00	121	353.00
6	Digging up 300 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	Rs. 20.75/M	6225.00	0.00	6225.00
7	Digging of 300 pits size: 0.45x((0.4+0.5)/2) cum	Rs. 12.99/ Plant	3897.00	0.00	3897.00
8	Cost of collection and purchases of grass and other seeds	Prorata	0.00	151.00	151.00
9	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata	1660.00	0.00	1660.00
10	In situ Soil & Moisture Conservation measures like Check dams, Nadis, Earthen Bunds etc.	Prorata	3182.00	0.00	3182.00
11	Construction of Thatched cattle guard hut.	Prorata	166.00	34.00	200.00
12	Purchase or construction of Water storage Tank	Prorata	0.00	57.00	57.00
13	Purchase of tools and plants	Prorata	0.00	85.00	85.00
14	Labour amenities	Prorata	61.00	66.00	127.00
15	watch and ward for 4 months	Prorata	346.00	0.00	346.00
16	Misc. and unforeseen expenses including running of vehicles	Prorata	150.00	44.00	194.00
<b>Total 0 year</b>			<b>29148.00</b>	<b>1668.00</b>	<b>30816.00</b>
<b>YEAR :</b>					
1	Maint. of 550 seedling in Nursery	Rs. 1.31/plant	609.00	111.00	720.00
2	Maintenance of 240 plants in 10cmX15 cm bags	Rs.0.77/ plant	143	42	185.00
2	Digging of 200 pits size 0.45X(0.4+ 5)/2 Cum	Rs. 12.99/ Plant	2598.00	0.00	2598.00
3	Digging up 100 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and v-ditch as per site requirement	Rs. 20.75/M	2075.00	0.00	2075.00
4	Digging of 30cmx30cm cross section trench along inner side of stone wall fencing and seed sowing 30 m	Rs. 13.84/M	403.00	12.00	415.00
5	Sowing/dibbling of seeds of grass/thorny Tree species on the mound of trenches and ditch fencing 430 m	Rs. 0.43/M	185.00	0.00	185.00
6	Purchase of fertilizers and in secicide and its application	Prorata	1301.00	415.00	1716.00
7	Sowing of pellets of grass seeds / pieces of seed mud cakes in between rows & pits	Prorata	376.00	0.00	376.00
8	Transport of 500 seedlings from Nursery to planting site	Rs. 1.02/ Plant	496.00	14.00	510.00

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9	Planting of 500 seedlings including Refilling of pits	Rs. 3.03/ Plant	1515.00	0.00	1515.00
10	Transport 200 plants raised in 10 cmX15cm bags upto site including loading and unloading (upto 5 kms.)	Rs. 0.56/plant	112.00	0.00	112.00
11	Planting of 200 pre germinated plants, including local transport and watering	Rs 2.05/plant	274.00	136.00	410.00
12	Restoration of natural regeneration by making crescent shaped mounds on the lower slope of 150 seedlings and saplings	Rs. 3.03/ Plant	455.00	0.00	455.00
13	Making of crescent shaped mounds below 500planted saplings after planting and dibbing of 3 seeds of thorny tree species.	Rs. 2.64/ Plant	1320.00	0.00	1320.00
14	Weeding and Hoeings of 500 plants two times with repairing plants mound	Rs. 2.64/ Plant	2640.00	0.00	2640.00
15	Weeding on contour trenches/V-ditches and espacement/singling	Prorata	387.00	0.00	387.00
16	Raising of 10% Plants (55) in Nursery for casualty replacement in year 2	Rs. 5.77/ Plant	216.00	101.00	317.00
17	Watch and ward charges for 12 months	Prorata	1037.00	0.00	1037.00
18	Labour hut etc	Prorata	241.00	38.00	279.00
19	Construction of approach roads/inspection path	Prorata	282.00	0.00	282.00
20	Construction of gate and fixing of sign boards	Prorata	376.00	65.00	441.00
21	Misc. and unforeseen expences including (additional watering, fencing and frost protection measures and running of vehicles etc.)	Prorata	149.00	96.00	245.00
<b>TOTAL YEAR 1</b>			<b>17190.00</b>	<b>1030.00</b>	<b>18220.00</b>
<b>YEAR 2</b>					
1	Maint. of 55 plants in nursery	Rs. 1.31/plant	60.00	12.00	72.00
2	Repair of Fencing	Prorata	166.00	0.00	166.00
3	Casualty replacement of 50 plants ( 10% ) including redigging of pits, transportation planting, watering and application of insecticide	Rs. 8.73/plant	416.00	21.00	437.00
4	Weeding and Hoeing in 500 plants two times and repairing of mounds	Rs. 2.64/plant	2640.00	0.00	2640.00
5	Watch and ward charges for 12 months	Prorata	1037.00	0.00	1037.00
6	Misc. and Unforeseen expenses including (Repair of Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	182.00	106.00	288.00
<b>TOTAL YEAR 2</b>			<b>4501.00</b>	<b>139.00</b>	<b>4640.00</b>
<b>YEAR 3</b>					
1	Watch and ward charges for 12 Months	Prorata	1037.00	0.00	1037.00
2	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	313.00	116.00	429.00
<b>TOTAL YEAR 3.</b>			<b>1350.00</b>	<b>116.00</b>	<b>1466.00</b>
<b>YEAR 4</b>					
1	Watch and ward charges for 12 Months	Prorata	1037.00	0.00	1037.00
2	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	313.00	116.00	429.00
<b>TOTAL YEAR 4</b>			<b>1350.00</b>	<b>116.00</b>	<b>1466.00</b>
<b>Grand Total</b>			<b>53539.00</b>	<b>3069.00</b>	<b>56608.00</b>

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### Model Cost Norms for RDF II

Labour rate Rs. 166 per day

Unit - 50 Ha

Perimeter - Average 3000 RM (1000 MX500M)

No. of Plants - 200

S. No.	Item of Works	Rate	Labour Cost	Material Cost	Total
<b>YEAR- 0 Advance Action</b>					
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata	387.00	47.00	434.00
2	Survey of area, Layout of contour trenches/Furrows, Pits and marking of segments/plots	Prorata	304.00	47.00	351.00
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.)	Rs. 166/m	4980.00	0.00	4980.00
b	Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	Rs. 180/m	5400.00	0.00	5400.00
4	Cost of raising 220 seedlings	Rs. 5.77/ Plant	863.00	406.00	1269.00
5	Raising of 240 plants in 10cmX15 cm bags for planting on mounds of trenches and V ditches (includes 20% extra)	Rs. 1.47/ plant	232	121	353.00
6	Digging up 400 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and v-ditch as per site requirement	Rs. 20.75/M	8300.00	0.00	8300.00
7	Digging of 200 pits size: 0.45x((.4+ .5)/2) cum	Rs. 12.99/ Plant	2598.00	0.00	2598.00
8	Cost of collection and purchases of grass and other seeds	Prorata	0.00	227.00	227.00
9	Restoration of natural regeneration by cultural operations and making crescent shaped mounds on the lower side of seedlings	Prorata	1660.00	0.00	1660.00
10	In situ Soil & Moisture Conservation measures like Check dam, Nadis, Earthen Bunds etc.	Prorata	3182.00	0.00	3182.00
11	Construction of Thatched cattle guard hut.	Prorata	166.00	34.00	200.00
12	Purchase or construction of Water storage Tank	Prorata	0.00	57.00	57.00
13	Purchase of tools and plants	Prorata	0.00	85.00	85.00
14	Labour amenities	Prorata	61.00	66.00	127.00
15	Watch and Ward for 4 months	Prorata	346.00	0.00	346.00
16	Misc. and unforeseen expenses including running of vehicles	Prorata	157.00	44.00	201.00
<b>Total 0 year</b>			<b>28636.00</b>	<b>1134.00</b>	<b>29770.00</b>
<b>YEAR :</b>					
1	Maintenance of 220 seedling in nursery	Rs. 1.31/plant	241.00	47.00	288.00
2	Maintenance of 240 plants in 10cmX15 cm bags	Rs. 0.77/ plant	142	43	185.00
3	In situ Soil & Moisture Conservation measures like Check dam, Nadis, Earthen Bunds etc.	Prorata	1881.00	188.00	2069.00
4	Digging of 30cmx30cm cross section trench along inner side of stone wall fencing and seed sowing (30 M / Ha)	Rs. 13.84/M	415.00	0.00	415.00
5	Sowing/dibbling of seeds of grass, trees and shrubs including seeds of medicinal plants on the mounds of trench/ditch fencing (430 M)	Rs. 0.43/M	185.00	0.00	185.00
6	sowing of grass seeds including raking in the interspace	Prorata	376.00	0.00	376.00
7	Transportation of 200 plants from nursery to planting site	Rs. 1.02/ Plant	160.00	44.00	204.00
8	Planting of 200 seedlings including Refilling of pits	Rs. 3.03/ Plant	585.00	21.00	606.00
9	Transport 200 plants raised in 10 cmX15cm bags upto site including loading and unloading (upto 5 kms.)	Rs. 0.56/plant	122.00	0.00	122.00
10	Planting of 200 pre germinated plants, including local transport and watering	Rs 2.05/plant	274.00	136.00	410.00

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 (निष्कूल सिंह)  
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11	Purchase and application of insecticide and fertilised in 200 plants	Prorata	509.00	175.00	684.00
12	Making of crescent shaped mounds below planted sapling after planting and dibbing of 3 seeds of thorny tree species (200 saplings).	Rs. 2.64/ Plant	528.00	0.00	528.00
13	Weeding and Hoeings of 200 plants two time repairing plants mound	Rs. 2.64/ Plant	1056.00	0.00	1056.00
14	Weeding on Contour Trench/ V ditch and espacement /singling	Prorata	342.00	0.00	342.00
15	Raising of 10% Plants (20 plants) in Nursery for casualty replacement in year 2	Rs. 5.77/ Plant	79.00	36.00	115.00
16	Watch and ward charges for 12 months	Prorata	1037.00	0.00	1037.00
17	Labour hut etc	Prorata	241.00	38.00	279.00
18	Construction of approach roads/inspection path	Prorata	282.00	0.00	282.00
19	Construction of gate and fixing of sign boards	Prorata	376.00	65.00	441.00
20	Misc. and unforeseen expences including (additional watering, fencing and frost protection measures and running of vehicles etc.)	Prorata	161.00	202.00	363.00
<b>TOTAL YEAR 1</b>			<b>8992.00</b>	<b>995.00</b>	<b>9987.00</b>
<b>YEAR 2</b>					
1	Maintenance of 20 plants in nursery	Rs. 1.31/plant	22.00	4.00	26.00
2	Repair of Fencing	Prorata	166.00	0.00	166.00
3	Casualty replacement of 20 plants ( 10% ) including redigging of pits, transportation planting, watering and application of insecticide	Rs. 8.73/plant	166.00	9.00	175.00
4	Weeding and Hoeing in 200 plants two times and repairing of plant mounds	Rs. 2.64/plant	1056.00	0.00	1056.00
5	Watch and ward charges for 12 months	Prorata	1037.00	0.00	1037.00
6	Misc. and Unforeseen expences including (Repair of Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	140.00	110.00	250.00
<b>TOTAL YEAR 2</b>			<b>2587.00</b>	<b>123.00</b>	<b>2710.00</b>
<b>YEAR 3</b>					
1	Watch and ward charges for 12 Months	Prorata	1037.00	0.00	1037.00
2	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	303.00	120.00	423.00
<b>TOTAL YEAR 3</b>			<b>1340.00</b>	<b>120.00</b>	<b>1460.00</b>
<b>YEAR 4</b>					
1	Watch and ward charges for 12 Months	Prorata	1037.00	0.00	1037.00
2	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	303.00	120.00	423.00
<b>TOTAL YEAR 4</b>			<b>1340.00</b>	<b>120.00</b>	<b>1460.00</b>
<b>Grand Total</b>			<b>42895.00</b>	<b>2492.00</b>	<b>45387.00</b>

नोट :- मॉडलस 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।

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 (मनसूख सिंह)  
 स.स.स. (प्रा.स.)  
 प्रमुख, (नि.आ.र.ई.ई.)  
 रा.क. जयपुर

### Model Cost Norms for Fuelwood plantation

Labour rate Rs. 166 per day

Unit- 50 Ha

Perimeter - Average 3000 RM (1000 MX500M)

No. of Plants- 500

Spacing- 4MX5M

S. No.	Item of Works	Rate	Labour Cost	Material Cost	Total
<b>YEAR- 0 Advance Action</b>					
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata	302.00	26.00	328.00
2	Survey of area, Layout of contour trenches/Furrows, Pits and marking of segments/plots	Prorata	304.00	47.00	351.00
3	Ditch fencing 1.20 m deep, 1.50m Wide at Top and 0.90 m at Bottom 90m in length	Rs. 179.89/m	16190.00	0.00	16190.00
4	Digging of 300m contour trenches of 45cm x 45 cm cross section	Rs. 20.74/M	6222.00	0.00	6222.00
5	Cost of raising 880 seedlings	4.48/Plant	2536.00	1406.00	3942.00
6	Digging of 400 Pits size 0.45 X (0.4+0.5)/2 cum	10.54/pit	4216.00	0.00	4216.00
7	Cost of collection and purchase of grass and other seeds	Prorata	0.00	150.00	150.00
8	Construction of Thatched cattle guard hut	Prorata	375.00	138.00	513.00
9	Construction of water storage tank	Prorata	565.00	91.00	656.00
10	Purchase of tools and plants	Prorata	0.00	170.00	170.00
11	Labour amenities	Prorata	237.00	150.00	387.00
12	Watch and ward charges for 4 Months	Prorata	346.00	0.00	346.00
13	Provision for additional fencing based on actual requirement	Prorata	8992.00	0.00	8992.00
14	Misc. and unforeseen expenses including running of vehicles	Prorata	180.00	53.00	233.00
<b>TOTAL 0 YEAR</b>			<b>40465.00</b>	<b>2231.00</b>	<b>42696.00</b>
<b>YEAR 1 PLANTATION YEAR</b>					
1	Maint. of 880 seedlings in Nursery	1.31/Plant	1072.00	223.00	1295.00
2	Digging of 400 pits size 0.45x (0.4 + 0.5)/2 cum	10.54/pit	4216.00	0.00	4216.00
3	Sowing/Dibbing of seeds of grass thorny bushes on trench mound V-ditch Fencing in three lines. 390 meter	Rs. 0.37/m	144.00	0.00	144.00
4	Sowing of grass seeds including raking in the interspaces	Prorata	702.00	113.00	815.00
5	Transport of 800 seedlings from Nursery to planting site	Rs. 1.02/ Plant	785.00	31.00	816.00
6	Planting of 800 seedlings including refilling of pits	3.02/plant	2416.00	0.00	2416.00
7	Construction of crescent shaped mounds below the planting pits 800 plants	Rs. 2.64/ Plant	2112.00	0.00	2112.00
8	Weeding and Hoeing of 800 plants- Two times and repairing of mounds	Rs. 2.64/ Plant	4224.00	0.00	4224.00
9	One hoeing of 800 plants	1.52/plant	1216.00	0.00	1216.00
10	Cost of raising 88 plants in Nursery for casualty replacement in year 2	4.47/Plant	254.00	140.00	394.00
11	Watch and Ward charges for 12 Months	Prorata	1037.00	0.00	1037.00
12	Cost of insecticide and Fertiliser & its application	Prorata	2125.00	635.00	2760.00
13	Labour amenities etc.	Prorata	70.00	53.00	123.00
14	Weeding on contour trenches/V-ditches and espacement/singling- (407 rmt)	1.28/m	521.00	0.00	521.00
15	In situ Soil & Moisture Conservation measures like Check dams/Nadis, Earthen Bunds etc.	Prorata	498.00	0.00	498.00
16	Construction of approach roads/inspection path	Prorata	180.00	0.00	180.00
17	Construction of gate and fixing of sign boards	Prorata	367.00	339.00	726.00
18	Misc. and unforeseen expences including (additional watering, fencing and frost protection measures and running of vehicles etc.)	Prorata	113.00	64.00	177.00
<b>TOTAL YEAR 1</b>			<b>22072.00</b>	<b>1598.00</b>	<b>23670.00</b>
<b>YEAR 2 : MAINTENANCE-I</b>					

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1	Maintenance of 88 Plants in Nursery	1.47/Plant	107.00	22.00	129.00
2	Repair of fencing	Prorata	180.00	0.00	180.00
3	Casualty replacement of 80 plants including Redigging of Pits, Transportation, Planting, watering and application of insecticides	Rs. 8.96/plant	717.00	0.00	717.00
4	Two weedings and hoeings in 800 Plants and repairing of plant mounds	Rs. 2.64/ Plant	4224.00	0.00	4224.00
5	Watch and Ward charges for 12 Months	Prorata	1037.00	0.00	1037.00
6	Misc. and unforeseen expenditure including (repairing of structures, pruning and frost protection measures)	Prorata	133.00	90.00	223.00
<b>TOTAL YEAR 2</b>			<b>6398.00</b>	<b>112.00</b>	<b>6510.00</b>
<b>YEAR 3 : MAINTENANCE-II</b>					
1	Watch and Ward charges for 12 Months	Prorata	1037.00	0.00	1037.00
2	Misc. and Unforeseen expenses	Prorata	94.00	52.00	146.00
<b>TOTAL YEAR 3</b>			<b>1131.00</b>	<b>52.00</b>	<b>1183.00</b>
<b>YEAR 4 : MAINTENANCE-III</b>					
1	Watch and Ward charges for 12 Months	Prorata	1037.00	0.00	1037.00
2	Misc. and Unforeseen expenses	Prorata	94.00	52.00	146.00
<b>TOTAL YEAR 4</b>			<b>1131.00</b>	<b>52.00</b>	<b>1183.00</b>
<b>Grand Total</b>			<b>71197.00</b>	<b>4045.00</b>	<b>75242.00</b>

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 जावे।

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(मनमूल सिंह)  
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म.सु.व.स. (टी.आर.ई.ई.)  
राज. जयपुर

**MODEL COST ESTIMATES FOR PRODUCTIVITY ENHANCEMENT OPERATIONS**

UNIT : 50 Ha.

PERIMETER : 60 M/Ha.

Labour rate Rs. 166 per day

COST ESTIMATE IN Rs./Ha.

S. No.	Item of Works	Rate	Labour Cost	Material Cost	Total
<b>Year 0 ADVANCE ACTION</b>					
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata	387.00	47.00	434.00
2	Survey and layout	Prorata	304.00	47.00	351.00
3	Fencing -				
a	Dry random rubble stone wall fencing 1.20 metre Height, 0.80 metre wide at base and 0.60 metre wide at Top (0.84 cubic metre for one running metre)-on an Average 30 metre per Ha	Rs. 166/m	4980.00	0.00	4980.00
b	Ditch fencing 1.20 metre deep, 1.50 metre wide at top and 0.80 metre at bottom-on an average 30 metre per Ha	Rs. 180/m	5400.00	0.00	5400.00
4	Cultural operations in bamboo clumps and inducing root suckers (in indogenous plants like tendu, salar, shyonak, padal, etc.) by making 10 m long trenches of 20 cmX20 cm on downward slope (in all 150 plants to be treated)	Rs 47.03/clump or plant	7055.00	0.00	7055.00
5	Cutback/singling of stumps and restoration of Natural regeneration of other species	Prorata	1383.00	0.00	1383.00
6	Construction of loose rubble stone check dams	Prorata	2336.00	96.00	2432.00
7	Construction of approach road and inspection path	Prorata	181.00	0.00	181.00
8	Construction of thatched cattle guard hut	Prorata	94.00	61.00	155.00
9	Purchase of signboard and their fixing	Prorata	10.00	66.00	76.00
10	Construction of gate and its fixing	Prorata	52.00	75.00	127.00
11	Purchase of tools and plants	Prorata	0.00	57.00	57.00
12	Watch and ward for 6 months	Prorata	518.00	0.00	518.00
13	Miscellaneous and unforeseen expenses	Prorata	120.00	81.00	201.00
<b>Total</b>			<b>22820.00</b>	<b>530.00</b>	<b>23350.00</b>
<b>YEAR-1</b>					
1	Repair of fencing	Prorata	166.00	11.00	177.00
2	Watch and ward for 12 months	Prorata	1037.00	0.00	1037.00
3	Miscellaneous and unforeseen expenses	Prorata	41.00	55.00	96.00
<b>Total</b>			<b>1244.00</b>	<b>66.00</b>	<b>1310.00</b>
<b>Grand Total</b>			<b>24064.00</b>	<b>596.00</b>	<b>24660.00</b>

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

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(मनमूल सिंह)  
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प्र.सु.स. (सि.आर.स.)  
राज, जयपुर

**Model Cost Norms  
ANR (Assisted Natural Regeneration) -**

UNIT : 50 Ha

PERIMETER: 60 M/Ha.

LABOUR RATE: Rs.166. /Day

COST ESTIMATE: in Rs./Ha.

**0 YEAR (ADVANCE ACTION)**

S. NO.	Item of Works	Unit / Rate	Labour Cost	Material Cost	Total
1	Collection of Data for Microplanning, preparation of microplan and management plan	Prorata	387.33	47.30	434.63
2	Survey of area, Layout of contour trenches/ furrows, Pits and marking of segments /plots	Prorata	303.72	47.30	351.02
3	Fencing by stone wall and or by ditch.				
	a). Stone wall fencing 1.20m high 0.80m at base & 0.60m at top(on an average 30 m/ha.)	Rs.166 /m	4980.00		4980.00
	b). Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	Rs 179.90/m	5397.00		5397.00
4	Cost of raising 220 seedlings	Rs 5.59 / plant	860.80	405.90	1266.70
5	Digging up 400 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	Rs 20.74	8296.00		8296.00
6	Digging of 200 pits size: 0.45x(0.4+0.5/2)	Rs 12.99 / plant	2598.00		2598.00
7	Cost of collection and purchase of grass and other seeds of indogenous trees and shrubs		0.00	226.60	226.60
8	In situ Soil & Moisture Conservation measures like Check dam, Percolation Tanks, Earthen Bunds etc.	Prorata	3182.31		3182.31
9	Construction of Thatched cattle guard hut.	Prorata	166.00	34.10	200.10
10	Purchase of tools and plants	Prorata	0.00	84.70	84.70
11	Labour amenities	Prorata	61.49	66.00	127.49
12	Cattle guard wages for 4 months	Prorata	345.53		345.53
13	Restoration of Natural regeneration by cutback cultural operation, pruning and by making crescent shaped ridges on lower side of seedling and saplings	Prorata	1660.00		1660.00
14	Misc. and unforeseen expenses including running of vehicles	Prorata	156.00	44.00	200.00
	<b>TOTAL YEAR 0</b>		<b>28394.18</b>	<b>955.90</b>	<b>29350.08</b>

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प्र.सु.व.स. (टी.आर.ई.ई.)  
राज. जयपुर

YEAR-I ( PLANTATION YEAR)

1	Maintenance of 220 seedling in nursery	Rs 1.29 / plant	241.80	46.20	288.00
2	Digging of 30cmx30cm cross section trench along inner side of stone wall fencing and seed sowing	Rs 13.89 / m	416.70		416.70
3	Sowing/dibbling of seeds of grass, trees and shrubs including seeds of medicinal plants on the mounds of trench/ditch fencing.	Rs 0.43 / m	185.00		185.00
4	Sowing of grass seeds including raking in the interspaces.	Prorata	376.27		376.27
5	Transportation of 200 plants from nursery to planting site	Rs 0.98 / plant	158.00	41.80	199.80
6	Planting of 200 seedlings including Refilling of pits	Rs 3.00 / plant	584.00	17.60	601.60
7	Purchase and application of insecticide and fertiliser in 200 plants	3.35	510.00	176.00	686.00
8	Making of 200 crescent shaped mounds below planted sapling after planting and dibbling of 3 seeds of thorny tree species.	Rs 2.64 / plant	528.00		528.00
9	Weeding and Hoeing of 200 plants two times including repairing of plants mound	Rs 2.64 / plant	1056.00		1056.00
10	Weeding on contour trenches/ V-ditches and spacement / singling	Prorata	341.84		341.84
11	Raising of 10% Plants (20 plants) in Nursery for casualty replacement in year 2	Rs 5.59 / plant	78.80	36.30	115.10
12	Watch & ward charges for 12 months	Prorata	1035.35		1035.35
13	Construction of approach roads / inspection path	Prorata	282.82		282.82
14	Construction of gate and fixing of sign boards	Prorata	376.27	64.90	441.17
15	Misc. and unforeseen expences including (additional watering, fencing and frost protection measures and running of vehicles etc.)	Prorata	161.16	202.40	363.56
TOTAL YEAR 1			6332.00	585.20	6917.20

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 मिनफुल सिंह  
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 प्र.सु.व.सं. (डी.आर.ई.ई.)  
 रा.स. जयपुर

**YEAR 2 MAINTENANCE**

1	Maintenance of 20 plants in nursery	Rs 1.18 / plant	22.13	4.40	26.53
2	Repair of fencing	Prorata	166.00		166.00
3	Casualty replacement of 20 plants (10%) including re-digging of pits, transportation, planting, watering and application of insecticides	Rs 8.70 / plant	166.00	8.80	174.80
4	Weeding and Hoeing in 200 plants two times	Rs 2.64 / plant	1056.00		1056.00
5	Watch & ward charges for 12 months	Prorata	1035.35		1035.35
6	Misc. and unforeseen expences including (additional watering, fencing and frost protection measures and running of vehicles etc.)	Prorata	142.51	110.00	252.51
<b>TOTAL YEAR 2</b>			<b>2588.00</b>	<b>123.20</b>	<b>2711.20</b>

**YEAR 3 : MAINTENANCE**

1	Watch & ward charges for 12 months	Prorata	1035.35		1035.35
2	Expenditure on Maintenance including (Repair of fencing/Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	302.65	119.90	422.55
<b>TOTAL YEAR 3.</b>			<b>1338.00</b>	<b>119.90</b>	<b>1457.90</b>
<b>YEAR 4 : MAINTENANCE</b>			<b>0.00</b>		
1	Watch & ward charges for 12 months	Prorata	1035.35		1035.35
2	Expenditure on Maintenance including (Repair of fencing / Structures, Subsidiary silvicultural operations, Frost Protection, etc.)	Prorata	302.65	119.90	422.55
<b>TOTAL YEAR 4.</b>			<b>1338.00</b>	<b>119.90</b>	<b>1457.90</b>
<b>GRAND TOTAL</b>			<b>39990.18</b>	<b>1904.10</b>	<b>41894.28</b>

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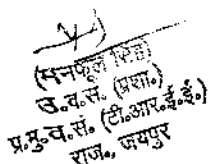
### Closure for Biodiversity Conservation

Unit : 50 Ha  
 Perimeter: 60 M/Ha  
 Labour rate Rs. 166 per day  
 Cost Estimate: Rs. /Ha

#### Year-0- Advance Action

S. No.	Item of Works	Rate	Labour Cost	Material Cost	Total
1	Collection of data for Microplanning, preparation of microplan and management plan	Prorata	387.00	47.00	434.00
1	Survey of area, Layout of Pits and marking of segments/plots	Prorata	304.00	47.00	351
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.)	Rs. 166/m	4980.00	0.00	4980.00
b	Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	Rs. 180/m	5400.00	0.00	5400.00
3	Digging up 400 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	Rs. 20.74/rmt	8296.00	0.00	8296.00
4	Cost of collection and purchase of seeds/cuttings of shrubs and medicinal plants	Prorata	0.00	206.00	206.00
5	In situ Soil & Moisture Conservation measures like Check dam, Percolation Tanks, Earthen Bunds etc.	Prorata	4217.00	264.00	4481.00
6	Purchase of tools and plants	Prorata	0.00	112.00	112.00
7	Labour amenities	Prorata	128.00	12.00	140.00
8	Watch & ward for 4 months	Prorata	346.00	0.00	346.00
9	Restoration of Natural regeneration by cutback, cultural operation, and by making crescent shaped ridges on lower side of seedling and saplings	Prorata	1660.00	0.00	1660.00
10	Construction of approach road inspection path and walking trail	Prorata	372.00	1027.00	1399.00
11	Misc. and unforeseen expenses including running of vehicles	Prorata	183.00	92.00	275.00
<b>TOTAL YEAR 0</b>			<b>26273.00</b>	<b>1807.00</b>	<b>28080.00</b>
<b>YEAR-1</b>					
1	In situ Soil & Moisture Conservation measures like Check dam, Nadis, Earthen Bunds etc.	Prorata	2041.00	172.00	2213.00
2	Digging of 30cmx30cm cross section trench along inner side of stone wall fencing and seed sowing	Rs. 9.09/rmt	535.00	10.00	545.00
3	Sowing/dibbling of seeds of shrubs including seeds of medicinal plants on the mounds of trench/ditch fencing- 430 m	Rs. 0.43/m	185.00	0.00	185.00
4	Two times Weeding and Hoeing on trenches and V ditches	Prorata	910.00	0.00	910.00
5	Watch & ward for 12 months	Prorata	1036.00	0.00	1036.00
6	Construction of gate and fixing of sign boards	prorata	376.00	58.00	434.00
7	Misc. and unforeseen expences including ( fencing repair, protection measures and running of vehicles etc.)	prorata	150.00	98.00	248.00
<b>TOTAL YEAR 1</b>			<b>5233.00</b>	<b>338.00</b>	<b>5571.00</b>
<b>YEAR 2 MAINTENANCE</b>					
1	Repair of fencing	Prorata	166.00	0.00	166.00
2	Weeding and Hoeing	Prorata	455.00	0.00	455.00
3	Watch & ward for 12 months	Prorata	1037.00	0.00	1037.00
4	Misc. and unforeseen expences including ( protection measures, running of vehicles etc.)	prorata	136.00	102.00	238.00
<b>TOTAL YEAR 2</b>			<b>1794.00</b>	<b>102.00</b>	<b>1896.00</b>
<b>Grand Total</b>			<b>33300.00</b>	<b>2247.00</b>	<b>35547.00</b>

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 जायें।

  
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 प्र.मु.व.स. (डी.आर.ई.ई.)  
 राज. जयपुर

मॉडल 1

लागत अनुमान 1.00 लाख पौध तैयारी 7.5 सेमी X 12.5 सेमी (3 इन्च X 5 इन्च), 20 माइक्रोन पौलिथीन बैग्स

उद्देश्य— इस मॉडल का उद्देश्य 9 इन्च उँचाई तक के पौधे जैसे नीम, करंज, गोंदा, हवन सीताफल, इत्यादि तैयार करना है जिन्हें नोचेज, ट्रेन्चों व वी-डिचो के माउन्ड पर रोपित किया जा सकता है। जिससे की ट्रेन्चों ओर नोचेज पर भी जीवितता प्रतिशत अच्छी रहकर पौध अच्छी बढ़त होने से बेहतर परिणाम प्राप्त होंगे। वर्षा पूर्व मदरबैड में बीजों को बोने के बजाय विकल्प रूप में इन थैलियों में पौधे सीधे ही उगाया जा सकते हैं जिससे की मदरबैड से पौलिथीन बैग्स में पौध के ट्रान्सप्लान्ट करते समय पौधों में क्षति नहीं होगी। इन तैयार पौधों को 5 फिट से अधिक उँचाई के पौधे तैयार करने हेतु मदर बैड में निर्धारित स्थान पर रोपित किया जा सकता है। इस मॉडल में तैयार किये जाने वाले पौधों को तीन माह तक पौधशाला में संधारण किया जायेगा।

उपयुक्त प्रजातियाँ — नीम, करंज, गोंदा, हवन सीताफल, इत्यादि

क्र.स	आईटम	राशि रूपों में		
		श्रम व्यय	सामग्री व्यय	योग व्यय
1	43 किग्रा पौलिथिन थैली बनाई/खरीद आकार 7.5 X 12.5 सेमी (3 इन्च X 5 इन्च), 20 माइक्रोन दर 145.20 रु/किग्रा	0	6244	6244
2	10 मी X 1.0 मी X 0.15 मी. आकार की 25 क्यारियां तैयार कराना	2490	0	2490
3	बीज संग्रह करना/क्रय करना	1660	937	2597
4	फार्म यार्ड मेन्थोर (गोबर-मैंगनी की खाद) 7 घमी क्रय करना दर 1110.40 रु/घमी	1859	5914	7773
5	चिकनी मिटटी की व्यवस्था करना एवं पौधाशाला में परिवहन करना 7 घमी दर 406.20 रु/घमी	349	2495	2844
6	रेत की व्यवस्था करना एवं पौधाशाला में परिवहन करना 7 घमी दर 677 रु/घमी	582	4158	4740
7	खाद, चिकनी मिटटी, रेत का मिश्रण बनवाना, पौलिथीन थैलियां भरवाना एवं थैलियों को क्यारी में जमवाना	21580	0	21580
8	पौधाशाला में थैलियों में बीज बुवाई, खाली थैलियों में पुनः बीज बुवाई, सिंचाई, निदाई, वर्मी कम्पोस्ट बनाई एवं अन्य संधारण कार्य करने हेतु एक माली एवं दो श्रमिकों की मजदूरी	37350	0	37350
9	कीटनाशक उर्वरक एवं अन्य उपयोगी रसायन क्रय पर व्यय	0	660	660
10	उपकरण एवं औजार खरीद मय वाहन एवं मशीनों का संधारण व्यय	0	2640	2640
11	बिजली पानी पर व्यय	0	6600	6600
12	जल संग्रह टैंक बनाना/क्रय करना मय पाईप खरीद व्यय	0	1320	1320
13	अन्य विविध व्यय	1327	1398	2725
	योग	67197	32366	99563

मॉडल 2

लागत अनुमान 1.00 लाख पौध तैयारी 10 सेमी X 15 सेमी (4 इन्च X 6 इन्च) 20 माइक्रोन पौलिथिन बैग्स

उद्देश्य- इस मॉडल का उद्देश्य 15 इन्च उंचाई तक के पौधे तैयार करना है जिनमें की मुख्यतः फुटान की हुई जड़ सहित कटिंग्स (प्री-रूटेड) को मदरबेड से इन पौलिथिन बैग्स में लिया जायेगा। मॉडल में बागवानी सम्बन्धित पौधों के अतिरिक्त वानिकी पौधे तैयार किये जायेगे। इस मॉडल में तैयार किये जाने वाले पौधों का 6 माह तक पौधशाला में संधारण किया जायेगा।  
उपयुक्त प्रजातियाँ- नीम, करंज गोदा, हवन, सीताफल, गुलाब, कनेर, शहतुत, बागनवेल इत्यादि।

क्र.सं.	आईटम	प्रथम वर्ष			द्वितीय वर्ष			योग		
		श्रम	सामग्री	योग	श्रम	सामग्री	योग	श्रम	सामग्री	योग
1	67 किग्रा पौलीथिन थैली बनाई व खरीद आकर 10 X 15 सेमी (4 इन्च X 6 इन्च), 20 माइक्रोन दर 145.20 रु किग्रा	0	9728	9728	0	0	0	0	9728	9728
2	10 मी X 1.0 मी X 0.15 मी. आकार की 35 क्यारिया तैयार कराना	4980	0	4980	0	0	0	4980	0	4980
3	बीज संग्रह करना/क्रय करना	1660	937	2597	0	0	0	1660	937	2597
4	फार्म यार्ड मेन्चोर (गोबर-मेगनी की खाद) 14 घमी क्रय करना दर 1110.40 रु घमी	3719	11827	15546	0	0	0	3719	11827	15546
5	चिकनी मिटटी की व्यवस्था करना एवं पौधाशाला में परिवहन करना 14 घमी दर 406.20 रु घमी	697	4990	5687	0	0	0	697	4990	5687
6	रेत की व्यवस्था करना एवं पौधाशाला में परिवहन करना 14 घमी दर 677 रु घ मी	1163	8316	9479	0	0	0	1163	8316	9479
7	खाद, चिकनी मिटटी, रेत का मिश्रण बनवाना, पौलीथिन थैलियां भरवाना एवं थैलियों को क्यारी में जमवाना	29880	0	29880	0	0	0	29880	0	29880
8	मदरबेड तैयार कर उसमें बीज बुवाई एवं कटिंग्स लगाना	11786	0	11786	0	0	0	11786	0	11786
9	मदरबेड से छोटे पौध एवं कटिंग्स निकालकर पौलिथिन थैलियों में लेना ।	11786	0	11786	0	0	0	11786	0	11786
10	नर्सरी पर एक माली व दो श्रमिकों की बीज बुवाई, पुनः बीज बुवाई, निदाई, पानी पिलाई एवं वर्मी कम्पोस्ट तैयार करने की मजदूरी	24900	0	24900	49800	0	49800	74700	0	74700
11	कीटनाशक दवा एवं उर्वरक खरीद पर व्यय	0	1980	1980	0	1320	1320	0	3300	3300
12	उपकरण एवं औजार खरीद मय वाहन एवं मशीनों का संधारण व्यय	0	3960	3960	0	1320	1320	0	5280	5280
13	बिजली पानी पर व्यय	0	4356	4356	0	8844	8844	0	13200	13200
14	जल संग्रह टैंक बनाना/क्रय करना मय पाईप खरीद व्यय	0	2640	2640	0	1320	1320	0	3960	3960
15	चौकीदारी पर व्यय	4150	0	4150	8300	0	8300	12450	0	12450
16	श्रमिक सुविधाओं पर व्यय	498	1320	1818	332	600	992	630	1980	2810
17	छाया हेतु सिरकी आदि क्रय करना	0	0	0	0	1980	1980	0	1980	1980
18	अन्य विविध व्यय	663	792	1455	1494	1214	2708	2157	2006	4163
Total		95882	50846	146728	59926	16658	76584	155808	67504	223312

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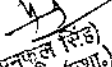
मॉडल 3

लागत अनुमान 1.00 लाख पौध तैयारी 15 सेमी X 22.5 सेमी (6 इन्च X 9 इन्च) 20 माइक्रोन पैलिथीन बैग्स  
उद्देश्य- इस मॉडल का उद्देश्य चोडी पत्तियों वाली प्रजातियां जो की तीव्र गति से बढ़ती हैं के पौधे तैयार करना है। इन तैयार किये गये पौधो को 5 फिट तक के बड़े पौधे तैयार करने हेतु 20 X 40 सेमी की पोलिथीन बैग्स में भी ट्रान्सप्लान्ट किया जायेगा। इस मॉडल में तैयार किये जाने वाले पौधो का 6 माह तक पौधशाला में संधारण किया जायेगा। उपयुक्त प्रजातियाँ -शीशम, हवन, पीपल, बरगद, इत्यादि

क्र.स.	आईटम	प्रथम वर्ष			द्वितीय वर्ष			योग		
		श्रम	सामग्री	योग	श्रम	सामग्री	योग	श्रम	सामग्री	योग
1	147 किग्रा पौलीथिन थैली बनाई व खरीद आकर 15 X 22.5 सेमी (6 इन्च X 9 इन्च), 20 माइक्रोन दर 145.20 रु किग्रा	0	21344	21344	0	0	0	0	21344	21344
2	10 मी X 1.0 मी X 0.25 मी. आकार की 81 क्यारियाँ तैयार कराना	18260	0	18260	0	0	0	18260	0	18260
3	बीज संग्रह करना/क्रय करना	1660	937	2597	0	0	0	1660	937	2597
4	फार्म यार्ड मेन्चोर (गोबर-मैंगनी की खाद) 48 घमी क्रय करना दर 1110.40 रु घमी	12749	40550	53299	0	0	0	12749	40550	53299
5	चिकनी मिटटी की व्यवस्था करना एवं पौधशाला में परिवहन करना 48 घमी दर 406.20 रु घमी	2391	17107	19498	0	0	0	2391	17107	19498
6	रेत की व्यवस्था करना एवं पौधशाला में परिवहन करना 48 घमी दर 677 रु घ मी	3984	28512	32496	0	0	0	3984	28512	32496
7	खाद, चिकनी मिटटी, रेत का मिश्रण बनवाना, पौलीथीन थैलियां भरवाना एवं थैलियों को क्यारी में जमवाना	74700	0	74700	0	0	0	74700	0	74700
8	मदरबैंड तैयार कर उसमें बीज बुवाई एवं कटिंग्स लगाना	11786	0	11786	0	0	0	11786	0	11786
9	मदरबैंड से छोटे पौध एवं कटिंग्स निकालकर पौलिथीन थैलियों में लेना	11786	0	11786	0	0	0	11786	0	11786
10	नर्सरी पर एक माली व दो श्रमिकों की बीज बुवाई, पुनः बीज बुवाई, निवाई, पानी पिलाई एवं वर्मी कम्पोस्ट तैयार करने की मजदूरी	41500	0	41500	83000	0	83000	124500	0	124500
11	पोलिथीन थैलियों का स्थान परिवर्तन करना व बाहर निकली जड़ों को काटकर हटवाना, दो बार	0	0	0	33200	0	33200	33200	0	33200
12	कीटनाशक दवा एवं उर्वरक खरीद पर व्यय	0	2640	2640	0	1353	1353	0	3993	3993
13	उपकरण एवं औजार खरीद मय वाहन एवं नशीनों का संधारण व्यय	0	6798	6798	0	2640	2640	0	9438	9438
14	बिजली पानी पर व्यय	0	7920	7920	0	15840	15840	0	23760	23760

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15	जल संग्रह टैंक बनाना / क्रय करना मय पाईप खरीद व्यय	0	5280	5280	0	1320	1320	0	6600	6600
16	चौकीदार पर व्यय	8300	0	8300	16600	0	16600	24900	0	24900
17	श्रमिक सुविधाओं पर व्यय	332	660	992	498	1320	1818	830	1980	2810
18	छायां हेतु सिरकी आदि क्रय करना	0	0	0	0	2640	2640	0	2640	2640
19	अन्य विविध व्यय	465	516	981	396	891	1887	1461	1407	2868
Total		187913	132264	320177	134294	26004	160298	322207	158268	480475

  
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मॉडल 4

लागत अनुमान 1.00 लाख पौध तैयारी 15 सेमी X 22.5 सेमी (6 इन्च X 9 इन्च) 40 माईक्रोन पैलिथीन बैग्स  
उद्देश्य- इस मॉडल का उद्देश्य चौड़े पत्तों वाली प्रजातियों जिनकी सामान्यतया वृद्धि धीमी होती है, के पौधे तैयार करना है। इसी कारण से इसमें पौलिथीन बैग्स की मोटाई अधिक रखी गई है। इस मॉडल में तैयार किये जाने वाले पौधों को 12 माह तक पौधशाला में संधारण किया जायेगा। उपयुक्त प्रजातियों - अमलतास, करंज, चुरेल, ईमली, सीताफल आदि

क्र.स.	आईटम	प्रथम वर्ष			द्वितीय वर्ष			योग		
		श्रम	सामग्री	योग	श्रम	सामग्री	योग	श्रम	सामग्री	योग
1	294 किग्रा पौलिथीन थैली बनाई व खरीद आकर 15 X 22.5 सेमी (6 इन्च X 9 इन्च), 40 माईक्रोन दर 145.2 रु/किग्रा	0	42689	42689	0	0	0	0	42689	42689
2	10 मी X 1.0 मी X 0.25 मी. आकार की 88 क्यारियों तैयार कराना	18260	0	18260	0	0	0	18260	0	18260
3	बीज संग्रह करना/क्रय करना	1660	937	2597	0	0	0	1660	937	2597
4	फार्म गार्ड मेन्थोर (गोबर-मैंगनी की खाद) 48 घमी क्रय करना दर 1110.40 रु/ घमी	12749	40550	53299	0	0	0	12749	40550	53299
5	चिकनी मिट्टी की व्यवस्था करना एवं पौधशाला में परिवहन करना 48 घमी दर 406.20 रु/ घमी	2391	17107	19498	0	0	0	2391	17107	19498
6	रेत की व्यवस्था करना एवं पौधशाला में परिवहन करना 48 घमी दर 677 रु/ घमी	3984	28512	32496	0	0	0	3984	28512	32496
7	खाद, चिकनी मिट्टी, रेत का मिश्रण बनवाना, पौलिथीन थैलियां भरवाना एवं थैलियों को क्यारी में जमवाना	74700	0	74700	0	0	0	74700	0	74700
8	मदरबैड तैयार कर उसमें बीज बुवाई एवं कटिंग्स लगाना	11786	0	11786	0	0	0	11786	0	11786
9	मदरबैड से छोटे पौध एवं कटिंग्स निकालकर पैलिथीन थैलियों में लेना ।	11786	0	11786	0	0	0	11786	0	11786
10	नर्सरी पर एक माली व दो श्रमिकों की बीज बुवाई, पुनः बीज बुवाई, निदाई, पानी पिलाई एवं वर्मी कम्पोस्ट तैयार करने की मजदूरी	186752	0	186752	62250	0	62250	249002	0	249002
11	पौलिथीन थैलियों का स्थान परिवर्तन करना व बाहर निकली जड़ों को काटकर हटवाना, दो बार	33200	0	33200	33200	0	33200	66400	0	66400
12	क्रीटनाशक दवा एवं उर्वरक खरीद पर व्यय	0	4389	4389	0	1320	1320	0	5709	5709
13	उपकरण एवं औजार खरीद मय वाहन एवं मशीनों का संधारण व्यय	0	6600	6600	0	2838	2838	0	9438	9438
14	बिजली पानी पर व्यय	0	29700	29700	0	9900	9900	0	39600	39600
15	जल संग्रह टैंक बनाना/क्रय करना मय पाईप खरीद व्यय	0	5940	5940	0	1320	1320	0	7260	7260
16	चौकीदारी पर व्यय	37350	0	37350	12450	0	12450	49800	0	49800
17	श्रमिक सुविधाओं पर व्यय	499	2812	3310	352	1980	2332	830	4792	5622
18	छाया हेतु सिरकी आदि क्रय करना	0	0	0	0	3960	3960	0	3960	3960
19	अन्य विविध व्यय	1129	944	2073	1079	1066	2145	2208	2000	4208
Total		396245	180180	576425	109311	22374	131685	505556	202554	708110

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निम्नलिखित स्थानों पर उपरोक्त कार्य करावें।  
प्र.सं.क.स. (उ.जा.स.स.स.)  
राज. मंत्रालय

मॉडल 5

लागत अनुमान 1.00 लाख पौध तैयारी 12.5 सेमी X 30 सेमी 40 माईक्रोन पौलिथीन बैग्स

उद्देश्य- इस मॉडल का उद्देश्य कॉटेदार शीघ्र वृद्धि वाली प्रजातियों व जिनकी मूसला जड़ मजबूत होती है, ऐसी प्रजातियों के पौधे तैयार करना है। इस मॉडल में तैयार किये जाने वाले पौधों को 6 माह तक पौधशाला में संधारण किया जायेगा। उपयुक्त प्रजातियों - बैर, खैर, देशी बबूल, जगल जलेबी, आंवला, हवन आदि

क्र.स.	आईटम	प्रथम वर्ष			द्वितीय वर्ष			योग		
		श्रम	सामग्री	योग	श्रम	सामग्री	योग	श्रम	सामग्री	योग
1	324 किग्रा पौलीथीन थैली बनाई व खरीद आकार 12.5 X 30 सेमी, 40 माईक्रोन दर 145.20 रु/किग्रा	0	47045	47045	0	0	0	0	47045	47045
2	10 मी X 1.0 मी X 0.30 मी. आकार की 60 क्यारिया तैयार करना	14940	0	14940	0	0	0	14940	0	14940
3	बीज संग्रह करना/क्रय करना	1660	937	2597	0	0	0	1660	937	2597
4	फार्म यार्ड मेन्चोर (गोबर-मैगनी की खाद) 48 घमी क्रय करना दर 1110.40 रु/घमी	12749	40550	53299	0	0	0	12749	40550	53299
5	चिकनी मिट्टी की व्यवस्था करना एवं पौधाशाला में परिवहन करना 48 घमी दर 406.20 रु/घमी	2391	17107	19498	0	0	0	2391	17107	19498
6	रेत की व्यवस्था करना एवं पौधाशाला में परिवहन करना 48 घमी दर 677 रु/घमी	3984	28512	32496	0	0	0	3984	28512	32496
7	खाद, चिकनी मिट्टी, रेत का मिश्रण बनवाना, पौलीथीन थैलिया भरवाना एवं थैलियों को क्यारी में जमवाना	74700	0	74700	0	0	0	74700	0	74700
8	मदरबैड तैयार कर उसमें बीज बुवाई एवं कटिंग्स लगाना	11786	0	11786	0	0	0	11786	0	11786
9	मदरबैड से छोटे पौध एवं कटिंग्स निकालकर पौलिथीन थैलियों में स्थानान्तरित करना।	11786	0	11786	0	0	0	11786	0	11786
10	नर्सरी पर एक माली व दो श्रमिकों की बीज बुवाई, पुनः बीज बुवाई, निदाई, पानी पिलाई एवं वर्मी कम्पोस्ट तैयार करने की मजदूरी	41500	0	41500	83000	0	83000	124500	0	124500
11	पौलिथीन थैलियों का स्थान परिवर्तन करना व बाहर निकली जड़ों को कटवाना, दो बार	0	0	0	33200	0	33200	33200	0	33200
12	कीटनाशक दवा एवं उर्वरक खरीद पर व्यय	0	2640	2640	0	1353	1353	0	3993	3993
13	उपकरण एवं औजार खरीद मय वाहन एवं मशीनों का संधारण व्यय	0	6798	6798	0	2640	2640	0	9438	9438
14	बिजली पानी पर व्यय	0	7920	7920	0	15840	15840	0	23760	23760
15	जल संग्रह टैंक बनाना/क्रय करना मय पाईप खरीद व्यय	0	5280	5280	0	1320	1320	0	6600	6600
16	चौकीदारी पर व्यय	8300	0	8300	16600	0	16600	24900	0	24900
17	श्रमिक सुविधाओं पर व्यय	332	660	992	498	1320	1818	830	1980	2818
18	छायी हेतु सिरकी आदि क्रय करना	0	0	0	0	2640	2640	0	2640	2640
19	अन्य विविध व्यय	465	581	1046	1162	1155	2317	1627	1736	3363
Total		184593	158030	342623	134460	26268	160728	319053	184298	503351

→  
 (सिक्कल सिग)  
 राज.क. (प्रा.)  
 प्र.सु.व.क. (सिक्कल-ई.ई.)  
 राज. प्रयत्न

मॉडल 6

लागत अनुमान 1.00 लाख पौध तैयारी 12.5 सेमी X 30 सेमी 40 माइक्रोन पौलिथीन बैग्स

उद्देश्य- इस मॉडल का उद्देश्य कांटेदार प्रजातियां जिनकी मूसला जड़ मजबूत होती है परन्तु जिनकी वृद्धि गति धीमी होती है, को तैयार करना है। इस मॉडल में तैयार किये जाने वाले पौधों को 12 माह तक पौधशाला में संधारण किया जायेगा।  
उपयुक्त प्रजातियों - रोन्डा, रोहिडा, विष तैन्दू, टिमरू आदि

क्र.स.	आईटम	प्रथम वर्ष			द्वितीय वर्ष			योग		
		श्रम	सामग्री	योग	श्रम	सामग्री	योग	श्रम	सामग्री	योग
1	324 किग्रा पौलिथीन थैली बनाई व खरीद आकर 12.5 X 30 सेमी X 40 माइक्रोन दर 145.20 रु/ किग्रा	0	47045	47045	0	0	0	0	47045	47045
2	10 मी X 1.0 मी X 0.25 मी. आकार की 60 क्यारियां तैयार करना	14940	0	14940	0	0	0	14940	0	14940
3	बीज संग्रह करना/क्रय करना	1660	937	2597	0	0	0	1660	937	2597
4	फार्म यार्ड मेन्चोर (गोबर-मैगनी की खाद) 48 घमी क्रय करना दर 1110.40 रु/घमी	12749	40550	53299	0	0	0	12749	40550	53299
5	बिकनी मिट्टी की व्यवस्था करना एवं पौधशाला में परिवहन करना 48 घमी दर 406.20 रु/घमी	2391	17107	19498	0	0	0	2391	17107	19498
6	रेत की व्यवस्था करना एवं पौधशाला में परिवहन करना 48 घमी दर 677 रु/घमी	3984	28512	32496	0	0	0	3984	28512	32496
7		74700	0	74700	0	0	0	74700	0	74700
8	मदरबैड तैयार कर उसमें बीज बुवाई, एवं कटिंग्स लगाना	11786	0	11786	0	0	0	11786	0	11786
9	मदरबैड से छोटे पौध एवं कटिंग्स निकालकर पौलिथीन थैलियों में लेना ।	11786	0	11786	0	0	0	11786	0	11786
10	नर्सरी पर एक माली व दो श्रमिकों की बीज बुवाई, पुनः बीज बुवाई, निवाई, पानी पिलाई एवं वर्मी कम्पोस्ट तैयार करने की मजदूरी	186752	0	186752	62250	0	62250	249002	0	249002
11	पौलिथीन थैलियों का स्थान परिवर्तन करना व बाहर निकली जड़ों को कटवाना, दो बार	33200	0	33200	33200	0	33200	66400	0	66400
12	कीटनाशक दवा एवं उर्वरक खरीद पर व्यय	0	4389	4389	0	1320	1320	0	5709	5709
13	उपकरण एवं औजार खरीद मय वाहन एवं मशीनों का संधारण व्यय	0	6600	6600	0	2838	2838	0	9438	9438
14	बिजली पानी पर व्यय	0	29700	29700	0	9900	9900	0	39600	39600
15	जल संग्रह टैंक बनाना/क्रय करना मय पाईप खरीद व्यय	0	5940	5940	0	1320	1320	0	7260	7260
16	चौकीदारी पर व्यय	37350	0	37350	12450	0	12450	49800	0	49800
17	श्रमिक सुविधाओं पर व्यय	0	3472	3472	0	1320	1320	0	4792	4792
18	घायां हेतु सिरकी आदि क्रय करना	0	0	0	0	3960	3960	0	3960	3960
19	अन्य विविध व्यय	797	680	1477	748	792	1540	1545	1472	3017
Total		392095	184932	577027	108648	21450	130098	500743	206382	707125

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निर्देशिका  
पत्र सं. (प्रशा.)  
323/2015 (वि.आर.सं.सं.)  
पञ्जा, जयपुर



मॉडल 7

लागत अनुमान 1.00 लाख पौध तैयारी 20 सेमी x 40 सेमी, 50 माइक्रोन पौलिथीन बैग्स  
उद्देश्य- इस मॉडल का उद्देश्य खुबसुरत, फलदार व छायादार जिनकी उचाई 5 फिट तक हो ऐसी प्रजातियों के पौधे तैयार करना है। इस मॉडल में पुर्व से तैयार 15 X 22.5 सेमी के पौधे पैलिथीन बैग्स में टान्सप्लान्ट किये जायेगे। इस मॉडल में तैयार किये जाने वाले पौधो को 24 माह तक पौधशाला में संधारण किया जायेगा। इस उपयुक्त प्रजातियों - नीम, गुलमोहर, करंज, अमलतास, ईमली, नीमचमेली, जकरन्डा, पेलटाफार्म आदि

क्र.स.	आईटम	प्रथम वर्ष			द्वितीय वर्ष			योग		
		श्रम	सामग्री	योग	श्रम	सामग्री	योग	श्रम	सामग्री	योग
1	15 सेमी X 22.5 सेमी (6 इन्च X 9 इन्च) के पौधे 12 माह के बेडस में तैयार करने पर व्यय	486302	217866	704168	0	0	0	486302	217866	704168
2	860 किग्रा पौलिथीन थैलीयां बनाई व खरीद आकर 20. X 40 सेमी 50 माइक्रोन दर 145.2 रु/किग्रा	0	124872	124872	0	0	0	0	124872	124872
3	10 मी X 1.0 मी X 0.40 मी. आकार की 145 क्यारिया तैयार कराना	34860	0	34860	0	0	0	34860	0	34860
4	फार्म गार्ड मेन्चोर (गोबर-मैगनी की खाद) 109 घमी क्रय करना दर 1110.40 रु/घमी	28951	92083	121034	0	0	0	28951	92083	121034
5	चिकनी मिटटी की व्यवस्था करना एवं पौधाशाला में परिवहन करना 109 घमी दर 406.20 रु/घमी	5428	38848	44276	0	0	0	5428	38848	44276
6	रेत की व्यवस्था करना एवं पौधाशाला में परिवहन करना 109 घमी दर 677 रु/ घमी	9048	64746	73794	0	0	0	9048	64746	73794
7	खाद, चिकनी मिटटी, रेत का मिश्रण बनवाना, पौलिथीन थैलीयां भरवाना एवं थैलीयां को क्यारी में जमवाना	180942	0	180942	0	0	0	180942	0	180942
8	नर्सरी पर एक माली व दो श्रमिकों को बीज बुवाई, पुनः बीज बुवाई, निदाई, पानी पिलाई एवं वर्मी कम्पोस्ट तैयार करने की मजदूरी	224102	0	224102	74700	0	74700	298802	0	298802
9	पौलिथीन थैलियों का स्थान परिवर्तन करना व बाहर निकली जड़ों को काटकर हटाना, दो बार	54780	0	54780	54780	0	54780	109560	0	109560
10	कीटनाशक दवा एवं उर्वरक खरीद पर व्यय	0	5280	5280	0	2640	2640	0	7920	7920
11	उपकरण एवं औजार खरीद मय वाहन एवं मशीनों का संधारण व्यय	0	10560	10560	0	2640	2640	0	13200	13200
12	बिजली पानी पर व्यय	0	39600	39600	0	13200	13200	0	52800	52800
13	जल सग्रह टैंक बनाना/क्रय करना मय पाईप खरीद व्यय	0	10560	10560	0	2640	2640	0	13200	13200
14	चौकीदारी पर व्यय	37350	0	37350	12450	0	12450	49800	0	49800
15	श्रमिक सुविधाओं पर व्यय	1246	2970	4216	416	990	1406	1662	3960	5622
16	छाया हेतु सिरकी आदि क्रय करना	0	0	0	0	3300	3300	0	3300	3300
17	अन्य विविध व्यय	661	792	1453	331	396	727	992	1188	2180
Total		1063670	608177	1671847	142677	25806	168483	1206347	633983	1840330

प्र.मु.व.सं. (टी.आर.ई.ई.)  
राज. जयपुर

मॉडल 8


लागत अनुमान 6000 पौध तैयारी

उद्देश्य- इस मॉडल का उद्देश्य सड़क किनारे वृक्षारोपण, परिसर पौधारोपण में 5 फिट से 8 फिट व 8 फिट से अधिक उँचाई के खुबसूरत, फूलदार, छायादार प्रजातियों के पौधे तैयार करना है अधिक उँचाई के पौधे नर्सरी में तैयार करने से जहाँ पौधों की बढत पौधशाला में ही ज्यादा होने से अधिक उँचाई के पौधे कार्यस्थल पर रोपित किये जाने पर कम लागत में पौधारोपण को सफल किया जा सकेगा, वही सुरक्षा में भी कम ध्यान देना होगा। मॉडल में पूर्व से तैयार 7.5 X 15 सेमी की पॉलिथीन बैग्स के पौधे मदरबेड में ट्रान्सप्लान्ट किये जायेंगे। पौधों के मदरबेड में दूरी 30 सेमी X 30 सेमी रहेगी जिसमें की 4000 पौधे प्रथम वर्ष में तैयार किये जायेंगे व इनमें से 2 पौधों के बीच में से 1 पौधा 5 से 8 फिट तक का अर्थात् 2000 पौधे 1 वर्ष पश्चात एक्सट्रेक्ट कर लिया जायेगा। जिनका उपयोग सड़क किनारे वृक्षारोपण जिसमें की फेंसिंग का प्रावधान है में किया जायेगा। इन हटायें गये पौधों के स्थान पर पुनः 2000 पौधे 7.5 X 12.5 सेमी की पॉलिथीन बैग्स से मदरबेड में ट्रान्सप्लान्ट किये जायेंगे जिससे द्वितिय वर्ष में 2000 पौधे 5 से 8 फिट के व 2000 पौधे 8 फिट से अधिक उँचाई के एक्सट्रेक्ट किये जा सकेंगे। 8 फिट से अधिक उँचाई वाले पौधों का उपयोग सड़क किनारे वृक्षारोपण में स्थानीय फेंसिंग सामग्री यथा कांटेदार बाड़ लगाते हुए किया जायेगा। इस मॉडल में तैयार किये जाने वाले 5 से 8 फिट उँचाई तक के 4000 पौधों का संधारण पौधशाला में 18 माह व 8 फिट से अधिक उँचाई के 2000 पौधों का संधारण 30 माह के लिये किया जायेगा।

S.No.	Items	प्रथम वर्ष			द्वितीय वर्ष			तृतीय वर्ष			योग		
		श्रम	सामग्री	योग	श्रम	सामग्री	योग	श्रम	सामग्री	योग	श्रम	सामग्री	योग
1	6600 पौधे तैयार करने हेतु 7.5 X 12.5 सेमी (3 इन्च X 5 इन्च) पॉलिथीन बैग्स क्रय कर तैयार करना	2956	1425	4381	1478	713	2191	0	0	0	4434	2138	6572
2	10 मी X 1.5 मी X 0.45 मी. आकार की 26 क्यारिया तैयार करना (148.50 घमी)	23240	0	23240	0	0	0	0	0	0	23240	0	23240
3	फार्म यार्ड मेन्चौर (गोबर मेगनी की खाद) 26.30 घमी क्रय करना दर 1110.40 रु घमी	10359	19219	29578	0	0	0	0	0	0	10359	19219	29578
4	चिकनी मिट्टी की व्यवस्था करना एवं पौधशाला में परिवहन करना 26.3 घमी दर 406.20 रु घमी	3885	7172	11057	0	0	0	0	0	0	3885	7172	11057
5	रेत की व्यवस्था करना एवं पौधशाला में परिवहन करना 26 <sup>ण</sup> 3 घमी दर 677 रु घमी	2158	15444	17602	0	0	0	0	0	0	2158	15444	17602

एन.ए.ए. (एन.ए.ए.)  
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संस्था, एन.ए.ए.

6	रेती पणा व खाद्य का मिश्रण तैयार कर 20 सेमी मोटाई में 26 बेड्स में भरना 78.9 घमी	13280	0	13280	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13280	0	13280	0	13280
7	डीएपी, यूरीया किटनाशक एवं बीज क्रय पर व्यय	0	3300	3300	0	1980	1980	0	0	0	0	0	0	0	0	0	0	0	0	5280	0	5280	0	5280
8	एक श्रमिक द्वारा पौध तैयारी निदाई गुडाई पुनिंग स्थान परिवर्तन पानी पिलाई बर्मी कम्पोस्ट तैयारी करने का वेतन पर	37350	0	37350	49800	0	49800	12450	0	0	0	0	0	0	0	0	0	0	0	99600	0	99600	0	99600
9	25 X 40 सेमी 50 माइक्रोन थेलिया 66 किलो खरीद पर व्यय	0	3194	3194	0	6389	6389	0	0	0	0	0	0	0	0	0	0	0	0	9583	0	9583	0	9583
10	100 पाईप 5 X 10 इन्ची के पौधो की पोटींग निकालने परिवहन हेतु क्रय करना	0	2310	2310	0	4620	4620	0	0	0	0	0	0	0	0	0	0	0	0	6930	0	6930	0	6930
11	द्वितीय वर्ष में 200 पौधे एवं तृतीय वर्ष में 4000 पौधे मरर बेड से पोटींग निकालकर 25 X 40 सेमी, 50 माइक्रोन (100 बैग प्रति किलो) बैग में लेना एवं बेड्स में जमाना	0	0	0	19920	0	19920	39840	0	0	0	0	0	0	0	0	0	0	0	59760	0	59760	0	59760
12	बिजली पानी पर व्यय	0	11880	11880	0	13200	13200	0	0	0	0	0	0	0	0	0	0	0	0	29040	0	29040	0	29040
13	उपकरण एवं औजार खरीद मय वाहन एवं मशीनों का संधारण	0	3960	3960	0	3960	3960	0	0	0	0	0	0	0	0	0	0	0	0	7920	0	7920	0	7920
14	जल संग्रह टैंक बनाना/क्रय करना मय पाईप खरीद व्यय	0	5280	5280	0	2640	2640	0	0	0	0	0	0	0	0	0	0	0	0	7920	0	7920	0	7920
15	श्रमिक सुविधाओ पर व्यय	498	1188	1686	498	1188	1686	250	594	844	844	250	594	844	250	594	844	250	1246	2970	1246	2970	4216	4216
16	अन्य विविध व्यय	744	385	1129	1162	475	1637	748	462	1210	462	1210	462	1210	462	1210	462	1210	2654	1322	2654	1322	3976	3976
	Total	94470	74757	169227	72858	35165	108023	53288	5016	58304	5016	58304	220616	114938	53288	5016	58304	220616	114938	335554	114938	335554	335554	335554

  
 (Signature)  
 (Name)  
 (Designation)  
 (Date)