

# कार्यालय प्रधान मुख्य वन संरक्षक (वन बल प्रमुख) राजस्थान,

# अरण्य भवन, झालाना सांस्थानिक क्षेत्र, जयपुर—302004

ई-मेल:-ccf.fca.rajasthan@gmail.com Tel. No. 0141-2713949

क्रमांकः एफ. 14(सी.ए. मॉडल)2020 / एफसीए / प्रमुवसं / 1863

दिनांक 10/7/24

समस्त वनाधिकारीगण

विषय:—क्षतिपूर्ति वृक्षारोपण हेतु वसूल की जाने वाली संशोधित एवं स्वीकृत दरों की पालना करने बाबत्।

संदर्भ:-शासन उप सचिव राजस्थान सरकार वन विभाग जयपुर का पत्रांक प. 1 (357)वन / 1997-पार्ट दिनांक 08.07.2024

महोदय,

विषयान्तर्गत राज्य सरकार के संदर्भित आदेश दिनांक 8.7.2024 के द्वारा क्षतिपूर्ति वृक्षारोपण (गैर वन भूमि एवं पारिभ्रांषित वन भूमि) में पूर्व में जारी दरों में संशोधन कर निम्नानुसार नवीन दर तय किये जाने की स्वीकृति प्रदान की गयी है:—

1	गैर वन भूमि (NFL) .पर	777500 रू.(सात लाख सतहत्तर हजार पॉच सौ मात्र)प्रति है0
2 "	क्षतिपूर्ति वृक्षारोपण हेतुः	410000 रू. (चार लाख दस हजार मात्र) प्रति है0
	(1) 5 है0 क्षेत्र हेतुः	339000 रू. (तीन लाख उनचालीस हजार मात्र) प्रति है0
	(2) 25 है0 क्षेत्र हेतुः	
	(3) 50 है0 क्षेत्र हेतुः	
2	पारिभ्रांषित वन भूमि (DFL)	540000 रू. (पॉच लाख चालीस हजार मात्र) प्रति है0
	पर क्षतिपूर्ति वृक्षारोपण हेतुः	263000 रू. (दौ लाख तिरेसठ हजार मात्र) प्रति है0
	(1) 5 है0 क्षेत्र हेतुः	223000 रू. (दौ लाख तेईस हजार मात्र) प्रति है0
	(2) 25 है0 क्षेत्र हेतुः	
	(3) 50 है0 क्षेत्र हेतु	

उक्त दरें दिनांक 05.07.2024 से प्रभावी रहेगी। अतः समस्त वनाधिकारीगण को निर्देशित किया जाता है कि वन संरक्षण एवं संवर्धन अधिनियम, 1980 के अंतर्गत वनभूमि प्रत्यावर्तन प्रकरणों में क्षतिपूर्ती वृक्षारोपण योजना (गैर वन भूमि एवं पारिभ्रांषित वन भूमि) उक्त दरों को ध्यान में रखते हुए बनायी जावे। अधिक बदलाव होने की स्थिति में योजना को संबंधित मुख्य वन संरक्षक से अनुमोदित करावें।

सलग्नः-उपरोक्तानुसार।

भवदीया,

(शिखा मेहरा)

प्रधान मुख्य वन संरक्षक, एवं नोडल अधिकारी एफसीए,

> राजस्थान, जयपुर दिनांक 10/7/24

क्रमांकः एफ. 14(सी.ए. मॉडल)2020 / एफसीए / प्रमुवसं / 1864 – 66 प्रतिलिपिः—निम्न को सूचनार्थ एवं आवयश्क कार्यवाही हेतु प्रेषित हैः—

1. उप शासन सचिव (वन) शासन सचिवालय, राजस्थान जयपुर को उनके पत्र दिनांक 8.7.2024 के कम में

2. प्रधान मुख्य वन संरक्षक, सूचना प्रौद्योगिकी को प्रेषित कर निवेदन है कि उक्त अनुमोदित मॉडल को विभागीय बेबसाईट पर अपलोड करने की व्यवस्था करावे।

3. मुख्य वन संरक्षक, आयोजना एवं सदस्य सचिव मॉडल समिति कार्यालय हाजा।

(दिनेश कुमार गुप्ता) उप वन संरक्षक (एफ.सी.ए.) १ अरण्य भवन, जयपुर

# राजस्थान सरकार वन विभाग हरू

क्रमांकप.1(357)वन / 1997-पार्ट

जयपुर,दिनांक :

प्रधान मुख्य वन संरक्षक (हॉफ), राजस्थानजयपुर

> विषय:-क्षतिपूर्ति वृक्षारोपण हेतु वसूल की जाने वाली संशोधित दरों को स्वीकृत करने सन्दर्भ:-आपका पत्र क्रमांक एफ. 14()2022/एफसीए/प्रमुवंस/8212दि. 30.11.2023

महोदय.

उपरोक्त विषयान्तर्गत सन्दर्भित पत्र के क्रम में क्षतिपूर्ति वृक्षारोपण (गैर वन भूमि एवं पारिभ्रांषित वनभूमि पर) हेतु पूर्व में तय की गयी दरों में संशोधन कर निम्नानुसार दर तय किये जाने की स्वीकृति एतदद्वारा प्रदान की जाती है:-

1	गैरवनभूमि पर (NFL) क्षतिपूर्ति वृक्षारोपण हेतु :	
	(1) 5 है. क्षेत्र हेतु : (2) 25 है. क्षेत्र हेतु : (3) 50 है. क्षेत्र हेतु :	777500 रू. (सात लाख सतहत्तर हजार पाँच सौ मात्र) प्रति है0 410000 रू. (चार लाख दस हजार मात्र) प्रति है0 339000 रू. (तीन लाख उनचालीस हजार मात्र) प्रति है0
2	पारिभ्रांषित वनभूमि (DFL) पर क्षतिपूर्ति वृक्षारोपण हेतु :	
	(1) 5 है. क्षेत्र हेतु : (2) 25 है. क्षेत्र हेतु : (3) 50 है. क्षेत्र हेतु :	540000 रू. (पाँच लाख चालीस हजार मात्र) प्रति है0 263000 रू. (दौ लाख तिरेसठ हजार मात्र) प्रति है0 223000 रू. (दौ लाख तेईस हजार मात्र) प्रति है0

उक्त वर्णित दरें दिनांक 05.07.2024 से प्रभावी होगी।

भवदीय,

(अशोक कुमार योगी) शासन उप सचिव

क्रमांकप.1(357)वन / 1997-पार्ट जयपुर, दिनांक :

प्रतिलिपि:--निम्नांकित को सूचनार्थ एवं आवश्यक कार्यवाही हेतु प्रेषित है:--

- 1. प्रधान महालेखाकार, लेखा परीक्षक एवं नियंत्रक, राजस्थान जयपुर।
- मुख्य संचिव, जल संसाधन विभाग/सार्वजनिक निर्माण 2. प्रमुख शासन सचिव/अति. विभाग / जनस्वास्थ्य एवं अभियांत्रिकी विभाग / खान विभाग / ऊर्जा विभाग, राजस्थान, जयपुर।
- 3. प्रधान मुख्य वन संरक्षक एवं मुख्य वन्यजीव प्रतिपालक, राजस्थान जयपुर।
- .४. प्रधान मुख्य वन संरक्षक एवं नोडल ऑफिसर, एफ.सी.ए., राजस्थान, जयपुर।
- 5. अतिरिक्त प्रधान मुख्य वन संरक्षक, कार्य आयोजना एवं वन बन्दोबुस्त, राजस्थान, जयपुर।

Signature valid Digitally signed by A Kumar Yogi Designation Deputer the English Reputer to the English Rep Government

Date: 2024.07.08 6:2 Reason: Approved Ref 8732284 :24:48 IST



# MODEL COST ESTIMATES FOR COMPENSATORY AFFORESTATION

ON ALLOTED NON FOREST LAND

UNIT:

PERIMETER:

, 5 Ha . . . .

180 M/Ha Rs.259/Day

LABOUR RATE: COST ESTIMATE:

in Rs./Ha.

## ADVANCE ACTION (0 YEAR)

	ADVANCE ACTION (0 YEAR)			T. T. T. T.	TOTAL
No.	ITEMS .	RATE (Rs,)	COMPONENT	MATERIAL COMPONENT	TOTAL
		1309.88 / ha	1208.66	101.22	1310
1	Collection of Basic Datas for Microplanning and carrying out joint forest managment activities.	W <sub>p</sub>		77.42	771
<b>'2</b>	Survey of area, lay out of contour trenches, burrowpits and making of segments / plots	771.26/ha •	. 694.14	77.12	
3	a. Construction of puccka wall 1.20 meter height 0.50 meter	3059/rmt	121136.00	62404	183540
٠.	b.) Loose Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (60m/ha.)	371.95/rmt	22317.00	. 0	22317
	c)Fencing of the plantation area with 2.1 meter high prestressed Cement Concrete Post and 5 stand barbed wire (Details given at annexure "A" for PCC post and annexure B for fencing details) (60m/ha.)	200.0/rmt	2400.00		12000
4	Digging of 500 pits size: 0.45x(.4+.5/2)2	20.27/ pit	10135.00		10135
5	Layout of of staggered/continuous contour trenches, V-ditches, contour dykes and pits etc. by contour survey in	81.47/ha	81.47	0	81
6	Digging up 400 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site	32.38/rmt	12952.00	0	1295
7	In situ Soil and moisture Conservation works including check the situ Soil and moisture Conservation works including check the situation tank, earthen bund etc.	k Prorata	4965.1		496
8	the sillers of appropriate size and fixing of	Prorata	82.6	9 97.37	18
9		Prorata	285.7	5 0	
	ward @ 259 per day for 4 months	Prorata	6302.6	3 0	
10	Construction of Thatched cattle guard hut/Shade.	Prorata	390.0		-
12	Cost of grass and other seeds (3 kg grass seed and 3 kg tr	ee Prorata	0.0	00 250	
_	species seed	Prorata	94.8		-
1	- trustion of water storage tank.	Prorata	81.4		
	5 Purchase of signboards and their fixing	Prorata	32.		
	6 Misc. and unforeseen expenses including running of vehicles	Prorata	154.		
_	TOTAL YEAR	R 0	183314.	08 73128.1	
1	Administrative charges 10% TOTAL				256 2820
	YEAR I ( PLANTING YEAR	R)			76
	1 Collection of datas regarding impact assesment and	Prorata	0	.00 72.7	6

Collection of datas regarding impact ass screngthening Joint Forest Management. 10135 20.27/ pit. 10135.00 2

> उप वन संरक्षक (प्रशासन) क्रायांलय प्रधान पुष्यं चन 📆 🦠 A mer sid that TOTT

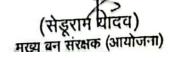
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गुख्य क्रा संरक्षक (आयोजना)

1	The state of the s	40/elant	0.00	44000	44000
3	Purchase/maintenece of 1100 seedling of 3 to 5 feet height	40/plant	0.00		
	nlant '	Parota	1295.00	0	1295
4 .	a significant natural recentration by making crescent			• 1	
	shaped mounds on the lower slopes of seedling and sapling				ì
	and making ring trenches around the natural trees/shrubs.				
	t landarios of cores	Prorata	1011.68	62.06	1074
5	Sowing of pellats of grass/pieces of seed mud cakes of grass	riorata	1011.00		,
	seeds between row of pits by ploughing and furrowing.		1	- 1	
	61			. 0	232
6	Sowing/dibbling of seeds of shurb species on the mounds of	0.58/ rmt. ·	232.00	, 1	
	staggered/continuous contour trenches, and ditch fencing	•			
	including pretreatment of seeds (400 rmt.)				
	The same of the sa	ile		61/ 52	4015
7 .	Transportation of 1100 plants from nursery to planting site	3.65/plant	3398.11	. 616.53	4015
•	including loading and unloading	12			7750
8	Planting of 1000 seedlings including Refilling of pits	7.75/plant	7750.00	0	7750
		7.20/plant	7200.00	0	. 7200
9	Making of 1000 crescent shaped mounds below planted sapling after planting and diboling 2 or 3 seeds of shrub			1	*
	sapling after planting and diobling 2 of 3 seeds of simulating				
	species on the mound.	4.92/plant	3978.60	941.6	4920
10	Purchase and application of insecticides, fertilizer, plant				
	growth harmone etc. in 1000 plants	8.0/plant	16000.00	0	16000
11	Watering with insecticide to the plants . (2 times) for 1000	O.O/picin			
	plants (Total 2000 plants) min 15 lit.	4.65/plant	9300.00	0	9300
12	Weeding and hoeing of 1000 plants in 2 times. (Total 2000	4.03/plant	3500.00		
	120	2.32/plant	4640.00	0	4640
13	Hoeing of the plants before watering of 1000 plants in 2				
	times (Total 2000 plants)	4.56/rmt	1824.00	0	1824
14	Wedding on staggered/ continuous contour trenches and 'V' ditch including Singling/spacement in the line sowing.	-		1	
	(400 RMT)	prorata	18907.00	0	18907
15	V/atch and ward @259 per day for 12 months	Prorata	42.56	36.38	79
16	Special protection of frost tender species.	Prorata	· 200.63	23.54	224
17	Labour aminities.	Prorata	160.51	117.7	278
18	Micellaneous and unforeseen expenditure including		1		
	running of vechile. TOTAL YEAR 1		86075.09	45870.57	131946
19			4303.75	0	4304
20	Cost escalation in labour amount due to increase in wage rate @5%				
					1319
21	Administrative charges 10%				14944
	TOTAL First Year Maintenance ( year 2)			T	
	Collection of datas regarding impact assesment and	Prorata	0.00	72.76	7
1	Collection of datas regarding impact asserting				
	strengthening Joint Forest Management.	40/plants	0.00	4400	440
2	Purchasing /maintenance of 110 seedlings for casulty	40/plants			
2	I to ament plant size (3 to 5 feet field)		1295.00	47.1	134
	Casualty replacement 100 plants including redigging of pits,	13.42/plant	1295.00	47.1	-
3	l setation planting, watering				23
	f and of shuch species on the mounts of	0.61/ rmt.	232.00	o	23
4	Sowing/dibbling of seeds of shurb species of ditch and ditch staggered/continuous contour trenches, "V" ditch and ditch		1 1		
	staggered/continuous contour deficies, 4		1 1		
	fencing including pretreatment of seeds (400 m.)	8.0/plant	16000.00	0	1600
5	Watering with insecticide to the plants . (2 times) for 1000	o.o.p.io.ii			
-	plants (Total 2000 plants) min 15 lit.				

उप वन सरक्षक (प्रशासन) कार्यालय प्रधान मुख्य वन २८२

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peing of the plants before watering of 1000 plants in 2 peing of the plants before watering of 1000 plants in 2 peing (Total 2000 plants)  edding on staggered/ continuous contour trenches and ditch including Singling/ spacement in the line sowing.  500 rmt.)  Epair of fencing  Epairing of Check dams / WHS  uning of Trees species to boost up the growth  ages of Chowkidar @ Rs.259/ day for 12 month (only oplicable to work chage employee)  isc. and unforeseen expenditure including running of echile  TOTAL YEAR 2  Cost escalation in labour amount due to increase in waqe rate @10%  dministrative charges 10%  OTAL  Second Year Maintena	2.32/plant 2.32/plant 4.56/rmt  Prorata Prorata Prorata prorata prorata	9300.00 4640.00 1824.00 237.11 165.37 251.70 18907.00 147.13 52999.32 5299.93	9.63 11.77 12.84 0 67.41 4622	9300 4640 1824 247 177 265 18907 215 57621
peing of the plants before watering of 1000 plants in 2 mes (Total 2000 plants) edding on staggered/ continuous contour trenches and ditch including Singling/ spacement in the line sowing. 00 rmt.) epair of fencing epairing of Check dams / WHS uning of Trees species to boost up the growth ages of Chowkidar @ Rs.259/ day for 12 month (only oplicable to work chage employee) isc. and unforeseen expenditure including running of echile  TOTAL YEAR 2  Cost escalation in labour amount due to increase in waqe rate @10% OTAL  Second Year Maintena	Prorata Prorata Prorata Prorata	237.11 165.37 251.70 18907.00 147.13	9.63 11.77 12.84 0 67.41	247 177 265 18907 215
nes (Total 2000 plants) edding on staggered/ continuous contour trenches and ditch including Singling/ spacement in the line sowing. 00 rmt.) epair of fencing epairing of Check dams / WHS uning of Trees species to boost up the growth ages of Chowkidar @ Rs.259/ day for 12 month (only epilicable to work chage employee) isc. and unforeseen expenditure including running of echile  TOTAL YEAR 2  Cost escalation in labour amount due to increase in wage rate @10% DTAL  Second Year Maintena	Prorata Prorata Prorata prorata	237.11 165.37 251.70 18907.00 147.13	9.63 11.77 12.84 0 67.41	247 177 265 .18907 215
edding on staggered/ continuous contour trenches and ditch including Singling/ spacement in the line sowing.  On rmt.)  Pair of fencing  Pairing of Check dams / WHS  uning of Trees species to boost up the growth  ages of Chowkidar @ Rs.259/ day for 12 month (only oplicable to work chage employee)  isc. and unforeseen expenditure including running of ophicable  Cost escalation in labour amount due to increase in wage rate @10%  dministrative charges 10%  DTAL  Second Year Maintena	Prorata Prorata Prorata prorata	237.11 165.37 251.70 18907.00 147.13	9.63 11.77 12.84 0 67.41	247 177 265 18907 215
pairing of Check dams / WHS uning of Trees species to boost up the growth lages of Chowkidar @ Rs.259/ day for 12 month (only uplicable to work chage employee) lisc. and unforeseen expenditure including running of schile  TOTAL YEAR 2  Cost escalation in labour amount due to increase in wage rate @10%  OTAL  Second Year Maintena	Prorata Prorata prorata	165.37 251.70 18907.00 147.13	11.77 . 12.84 0 67.41 4622	177 265 .18907 215
epairing of Check dams / WHS uning of Trees species to boost up the growth ages of Chowkidar @ Rs.259/ day for 12 month (only eplicable to work chage employee) isc. and unforeseen expenditure including running of echile  TOTAL YEAR 2  Cost escalation in labour amount due to increase in waqe rate @10%  OTAL  Second Year Maintena	Prorata prorata	251.70 18907.00. 147.13 52999.32	0 67.41 4622	265 .18907 .215
uning of Trees species to boost up the growth lages of Chowkidar @ Rs.259/ day for 12 month (only splicable to work chage employee) lisc. and unforeseen expenditure including running of schile  TOTAL YEAR 2  Cost escalation in labour amount due to increase in wage rate @10%  OTAL  Second Year Maintena	Prorata prorata	18907.00 147.13 52999.32	67.41 4622	18907 215 57621
ages of Chowkidar @ Rs.259/ day for 12 month (only oplicable to work chage employee) isc. and unforeseen expenditure including running of echile  TOTAL YEAR 2  Cost escalation in labour amount due to increase in wage rate @10%  dministrative charges 10%  OTAL  Second Year Maintena	prorata	147.13 52999.32	67.41	215 57621
pplicable to work chage employee) isc. and unforeseen expenditure including running of echile  TOTAL YEAR 2  Cost escalation in labour amount due to increase in wage rate @10%  dministrative charges 10%  DTAL  Second Year Maintena		147.13 52999.32	4622	215 57621
Cost escalation in labour amount due to increase in wage rate @10%  DTAL  Second Year Maintena	prorata	52999.32	4622	57621
TOTAL YEAR 2  Cost escalation in labour amount due to increase in wage rate @10%  dministrative charges 10%  DTAL  Second Year Maintena				
Cost escalation in labour amount due to increase in wage rate @10% dministrative charges 10% DTAL Second Year Maintena		5299.93	0	5300
wage rate @10%  dministrative charges 10%  DTAL  Second Year Maintena				
OTAL Second Year Maintena		and the same of th		5762
Second Year Maintena		17-17-20-2	-·	68683
	nce (Year 3)			
" A detec cogneding impact assessment and	Prorata	. 0	72.76	7.
ollection of datas regarding impact assesment and rengthening Joint Forest Management.	8 O/plant	8000.00	0	800
lants (Total 1000 plants) min 15 lit.			. 0	232
oeing of the plants before watering of 1000 plants in 1	2.32/plant		4.28	13
runing of Trees species to boost up the growth	Prorata · ·			1890
James of Chowkidar @ Rs.259/ day for 12 month		the second secon		2:
lisc. and unforeseen expenditure including running of	prorata	147.13		
ochile		29499.37	144.45	2964
	2	4424.9055	0.00	44
			-	29
desirative charges 10%				370
Grand Tota				0.0
		. 0	72.76	
ollection of datas regarding impact assesment and	Prorata			
rengthening Joint Forest Management.	Prorata	125.24	4.28	1
ing of Trees species to boost up the growth		18907.00		189
lages of Chowkidar @ Rs.259/ day for 12 month (Only	prorute	A E		
oplicable to work chage employee) lisc. and unforeseen expenditure including running of	prorata	147.13	67.41	
t ile	4	19179.37	144.45	193
		3835.8		
525 52ta 20%				1
dministrative charges 10% Grand Tota	al			25
		i)		
Pourtil real Mainter		1	0 72.76	'
ollection of datas regarding impact assessment				
rengthening Joint Forest Management.	Prorata		-1	-
runing of Trees species to boost up the growth	prorata	18907.0	0	18
tt to const shage employee)		147.1	3 67.4	1
lisc. and unforeseen expenditure including running of	prorata		1	
Page 3 of 1	13		42	
अप वन सारदाया अरा सः		Ja:	डराम यादय)	
la o mrula di e di	engthening Joint Forest Management.  Setering with insecticide to the plants. (1 times) for 1000 sints (Total 1000 plants) min 15 lit.  Setering of the plants before watering of 1000 plants in 1 mes (Total 1,000 plants)  Setering of Trees species to boost up the growth ages of Chowkidar @ Rs.259/ day for 12 month ages of Chowkidar @ Rs.259/ day for 12 month ages of Chowkidar @ Rs.259/ day for 12 month ages of Chowkidar @ Rs.259/ day for 12 month age rate 15%  Some of Chowkidar @ Rs.259/ day for 12 month age rate 15%  Some of Chowkidar @ Rs.259/ day for 12 month (only plicable to work chage employee)  Soc. and unforeseen expenditure including running of chile  Total Year of Chowkidar @ Rs.259/ day for 12 month (only plicable to work chage employee)  Soc. and unforeseen expenditure including running of chile  Total Year of Chowkidar @ Rs.259/ day for 12 month (only plicable to work chage employee)  Soc. and unforeseen expenditure including running of chile  Total Year of Chowkidar @ Rs.259/ day for 12 month (only plicable to work chage employee)  Soc. and unforeseen expenditure including running of Trees species to boost up the growth ages of Chowkidar @ Rs.259/ day for 12 month (only plicable to work chage employee)  Soc. and unforeseen expenditure including running of Chowkidar @ Rs.259/ day for 12 month (only plicable to work chage employee)  Soc. and unforeseen expenditure including running of Chowkidar @ Rs.259/ day for 12 month (only plicable to work chage employee)  Soc. and unforeseen expenditure including running of Chowkidar @ Rs.259/ day for 12 month (only plicable to work chage employee)	engthening Joint Forest Management.  Astering with insecticide to the plants. (1 times) for 1000 Ants (Total 1000 plants) min 15 lit.  Being of the plants before watering of 1000 plants in 1 Ants (Total 1,000 plants) Aning of Trees species to boost up the growth Anges of Chowkidar @ Rs.259/ day for 12 month And Indicate the plants of the plants of the prorata prorata  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the plants before watering of 1000 plants in 1  And Indicate the provate the plants in 1  And Indicate the plants in	engthening Joint Forest Management.  Stering with insecticide to the plants. (1 times) for 1000  Ints (Total 1000 plants) min 15 lit.  eing of the plants before watering of 1000 plants in 1  2.32/plant  2320.00  ints (Total 1,000 plants)  uning of Trees species to boost up the growth  ages of Chowkidar @ Rs.259/ day for 12 month  prorata  18907.00  sc. and unforeseen expenditure including running of  chile  Total Year 3  29499.37  Total Year 3  29499.37  ost escalation in labour amount due to increase in  ger rate 15%  Imministrative charges 10%  Grand Total  Third Year Maintenance (Year 4)  Illection of datas regarding impact assesment and  engthening Joint Forest Management.  uning of Trees species to boost up the growth  plicable to work chage employee)  sc. and unforeseen expenditure including running of  prorata  147.13  Total Year 4  19179.37  Int due to increase in  ger rate 20%  ministrative charges 10%  Grand Total  Fourth Year Maintenance (Year 5)  Illection of datas regarding impact assesment and  engthening Joint Forest Management.  uning of Trees species to boost up the growth  for and Total  Fourth Year Maintenance (Year 5)  Illection of datas regarding impact assesment and  engthening Joint Forest Management.  uning of Trees species to boost up the growth  prorata  147.13  125.24  Prorata  125.25  147.13	engthening Joint Forest Management.  Itering with insecticide to the plants. (1 times) for 1000  Ints (Total 1000 plants) min 15 lit.  eing of the plants before watering of 1000 plants in 1  eing of the plants before watering of 1000 plants in 1  eing for the plants before watering of 1000 plants in 1  eing of the plants before watering of 1000 plants in 1  eing for the plants before watering of 1000 plants in 1  eing for the plants before watering of 1000 plants in 1  eing for the plants before watering of 1000 plants in 1  eing for the plants before watering of 1000 plants in 1  eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the plants before watering of 1000 plants in 1  Eing for the pl

	_			144.45	19324
/	Total Year 5		19179.37		4795
/	Cost escalation in labour amount due to increase in		4794.8425	0.00	4/95
7 0	Cost escalation in labour amount due to				1932
	wage rate 25% Administrative charges 10%			<del>-, ,   -, </del>	26051
8 . [	Administrative charges to a Grand Total	•			
_	SUBSEQUENT MAINTENANCE (YEAR 6 TO 12	)		72.76	. 73
	Collection of datas regarding impact assesment and	Prorata .	0.00	72.76	,,
1	strengthening Joint Forest Management.		1		
	The second secon		125.24	4.28	130
2	Pruning of Trees species to boost up the growth	Prorata	. 125.24		
-		prorata	18907.00	0	1890
3	Wages of Chowkidar @ Rs. 259/- day for 12 month	prorute		67.41	21
	Miscelleneous expenditure including Maintenance of	prorata	147.13	. 07.42	
4	Vehicles, repaire of fencing etc.			111	1932
	TOTAL YEAR 6-12		19179.37	144	
•			. 5753.81	. 0	575
5	Cost escalation in labour component due to increase in wage rate @30%	. i		·	100
			1		193
6	cdministrative charges 10%			Total .	270
	GRAND TOTA	L		•	
	GIOTIE TO III	. 2820	86		
	OYear	1494	<del>-</del>		
	First Year	686			
	Second Year	370			
	Third Year	250			
	Fourth Year	260			
	Fifth Year		010		
	Sixth Year		010		
	Seventh Year		010		
	Eighth year		7010		
	Ninth Year		7010		
	Tenth Year		7010	*	
	Eleventh Year		7010	200	
	- Int Wass				
	Twelth Year	77	7460		
	Total		7460 7500		
			7460 7500		

Note:

1. The model is prepared as per directions of MoEF & CC Goi New Delhi.

2. The cost of NFL varies from 595000/- to 1110000/- due to fencing cost. DCF/CCF may ensure the fencing with

5. If the total 1000 plants has not to be planted in proposed site, balance plants may be planted in Degarded Forest

4. Models are indicative any deviation can be approved by competent authority as per site specific condition

राजस्थान, जयपुर

# MODEL COST ESTIMATES FOR COMPENSATORY AFFORESTATION

ON ALLOTED NON FOREST LAND

UNIT:

, 25 на . .

PERIMETER:

• 90 м/на. Rs.259/Day

. I ABOUR RATE:

in Rs./Ha.

COST ESTIMATE:

ADVANCE ACTION (0 YEAR)

S.No.	ITEMS.	RATE (Rs,)	LABOUR COMPONENT	MATERIAL, COMPONENT	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest	1309.88 / ha	1208.66	101.22	1310
2	managment activities.  Survey of area, lay out of contour trenches, burrowpits and making of	771.26/ha	694.14	. 77.12	771
3	segments / plots a) Construction of puccka wall 1.20 meter height 0.50 meter base and	3059/rmt	60568.00	31202	91770
	b.) Loose Stone wall fencing 1.20m high 0.80m at base & 0.60 at top	371.95/rm	11158.50	· 0	. 11159
	(30m/ha.) c)Fencing of the plantation area with 2.1 meter high prestressed Cement Concrete Post and 5 stand barbed wire (Details given at annexure "A" for PCC post and annexure B for fencing details) (30m/ha.)	t 200.0/rmt	1200.00	4800	6000
<u> </u>	Digging of 500 oits size: 0.45x(.4+.5/2)2	20.27/ pit	10135.00	0	10135
5	Layout of of staggered/continuous contour trenches, V-ditches, contour dykes and pits etc. by contour survey in 1/4th area	81.47/ha	81.47		81
6	Digging up 400 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	32.38/rmt	12952.00	0	12952
7	In situ Soil and moisture Conservation works including check dams, percolation tank, earthen bund etc.	Prorata	4965.17	0	4965
8	Construction of the pillars of appropriate size and fixing of iron pipe gate with four square column	Prorata	82.69	97.37	180
9	Construction of approach road and inspection path	Prorata	285.7	5 0	286
10	Watch and ward @ 259 per day for 4 months	Prorata	1260.4	3 0	1260
11	Construction of Thatched cattle guard hut.	Prorata	390.0	210	600
12	Cost of grass and other seeds ( 3 kg grass seed and 3 kg tree species seed	Prorata	0.0	0 250	250
13	Labour aminities	Prorata	94.8	5 85.6	180
14	Construction of water storage tank.	Prorata	81.4	7 48.1	130
15	Purchase of signboards and their fixing	Prorata	32.8	3 92.0	125
16	Misc. and unforeseen expenses including running of vehicles	Prorata	154.4		
	TOTAL YEAR	0	105345.3	37126.1	
17	Administrative charges 10%	-	-		14247
	TOTAL				156719
	YEAR I ( PLANTING YEAR		-		
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.			72.7	
2	Digging of 500 pits of size 0.45 (4+5/2)*2 Cum	20.27/ p			0 10135
3	Purchase/maintenece of 1100 seedling of 3 to 5 feet height plant	40/plan		00 4400	
4	Restoration of natural regeneration by making crescent shaped mound on the lower slopes of seedling and sapling and making ring trenches around the natural trees/shrubs.	3	1295.		0 1299
5	- to the season of season mud cakes of grass species	Prorata	1011	.68 62.	06 107

उप ग्रीन सर्यक्ति (प्रध्याः २) कार्यालय प्रधान नृत्य दन सः १ टी-आर.ई.ई. राज., जयपुर

between row of pits by ploughing and furrowing.

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(:,।डूराम यादय) मुख्य का संरक्षक (आयोजना) राजरथान, अंचगुर

/							
Ts		0.58/ rm	nt.	232.00		0	232
1	taggered/continuous contour trenches, and ditch fencing including		1	- 1			- 1
lo	pretreatment of seeds (400 rmt.)						
, 1	ransportation of 1100 plants from nursery to planting site including	3.65/pla		3398.11	616	.53	4015
	oading and unloading						
3 F	Planting of 1000 seedlings including Refilling of pits	7.75/pla	ant	7750.00		0	7750
, [	Talking of 2000 seedings were all the seedings of pro-						
9 1	Making of 1000 crescent shaped mounds below planted sapling after	7.20/pl	ant '	7200.00		0	7200
	planting and dibbling 2 or 3 seeds of shrub species on the mound.			1		.	- 1
ľ	,		- 1				
-	Purchase and application of insecticides, fertilizer, plant growth harmone	4 92/0	lant	3978.60	94	1.6	4920
				55.0.00			
$\rightarrow$	etc. in 1000 plants	8.0/pla	not	16000.00		0	16000
	Watering with insecticide to the plants . (2 times) for 1000 plants (Total	o.u/pie	""	10000.00		٦	10000
	2000 plants) min 15 lit.	1.051	11			0	9300
12	Weeding and hoeing of 1000 plants in 2 times. (Total 2000 plants)	4.65/p	cant	9300.00		٩	9300
	THE CONTRACTOR STATE OF THE STA					_	
13	Hoeing of the plants before watering of 1000 plants in 2 times (Total	2.32/p	olant .	4640.00		이	4640
	2000 plants)						
14	Wedding on staggered/ continuous contour trenches and 'V' ditch	4.56/	rmt	1824.00		0	1824
-	including Singling/spacement in the line sowing. (400 RMT)						
	melaning shifting spacement in the me acting ( 122 miles)						
15	Watch and ward @259 per day for 12 months	prora	ata	3781.40		0	3781
15		Prora		42.56	3	6.38	79
16	Special protection of frost tender species.	_		200.63		3.54	224
17	Labour aminities.	Prora				17.7	278
18	Micellaneous and unforeseen expenditure including running of vechile.	. Prora	ata	160.51		17.7	2/0
	and the second s				450	70.67	116820
	TOTAL YEAR		1 -	70949.49	450	70.57	
19	Cost escalation in labour amount due to increase in wage rate @	5%	- 1	3547.47		٥	3547
							1160
20	Administrative charges 10%	_				_	11682
	TOTAL				History of the Control		132050
	First Year Maintenance ( year 2)						
1	Collection of datas regarding impact assesment and strengthening Join	nt Pro	rata	0.00		72.76	7:
	Forest Management.						
. 2	Purchasing /maintenance of 110 seedlings for casulty replacement pla	ant 40/	plants	0.00		4400	440
	size (3 to 5 feet height)						
3		13.	42/pla	1295.00		47.1	134
,	transportation planting, watering	nt			1. 1. 7.		
_	the second of	0.6	1/ rmt.	232.00		0	23
4	staggered/continuous contour trenches, "V" ditch and ditch fencing				1		
						- 1	
	including pretreatment of seeds (400 m.)	1 8 (	0/plant	16000.00		0	160
5		ital Jo.	orpiant	16000.00	1	٩	160
	2000 plants) min 15 lit.						
-	Weeding and Hoeing in 1000 plants in pits two times Total 2000 plants	nts) 4.	65/plan	9300.0	٥	0	93
	and the second s	t					
	7 Hoeing of the plants before watering of 1000 plants in 2 times (Total	1 2.	32/plant	4640.0	0	0	46
	2000 plants)						
	1/ None and the disch	4	.56/rmt	1824.0	00	0	18
١ '	including Singling/ spacement in the line sowing. (400 rmt.)						
١.	including singling/ spacement in the line sowing. (400 mits)				-		
	9 Repair of fencing	P	Prorata	237.	100	9.63	
$\overline{}$	Repairing of Check dams / WHS	P	rorata	. 165.	37	11.77	
	To the of Trans species to boost up the growth	P	Prorata	251.	70	12.84	
	tot 114 - O n- 250/ day for 12 month (only applicable t	0 1	prorata	3781.	40	0	3
1		· '				·	
-	work chage employee)	-		147	13	67.41	-
	13 Misc. and unforeseen expenditure including running of vechile		prorata		_	67.41	-
	TOTAL YE			37873		4622	
	13 Cost escalation in labour amount due to increase in wage rate	@10%		3787	.37	(	3
				-			-
	14 Administrative charges 10%						4
	TOTAL						50

Second Year Maintenance (Year 3) चप वन संरक्षाः (प्रशासनः) कार्यालय प्रधान मुख्य कर्म संरक्षक टीक्षार-ई-ई-, सज्जः, प्रस्पूर

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(सेंडूराम यादय) मुख्य वन संरक्षक (आयोजना) राजग्धान जवगुर



100							
IF		Prorat	ta	0	72.76		73
_	prest Management.						
1 5 5		8.0/pl	ant	8000.00	0		0008
_	000 plants) min 15 lit.						
		2.3Z/p	plant .	2320.00			2320
_	,000 plants)						120
		Prora		125.24	4.28		130
	Vages of Chowkidar @ Rs.259/ day for 12 month	prora	eta	3781.40	0		3781
$\overline{}$	Alsc. and unforeseen expenditure including running of vechile	prora	ata	147.13	67.41		215
1	Total Year 3	L.,	· ·	14373.77	144.45		14518
1	Cost escalation in labour amount due to increase in wage rate 15%			2156.0655	0.00		2156
, ,	Administrative charges 10%	-		-		_	1452
	Grand Total	<del>  </del>					18126
_	Third Year Maintenance (Ye		i			•	
ı [	Collection of datas regarding impact assesment and strengthening Joint	Pror	ata	ol	72.76		73
	Forest Management.	1	"	9	0.0		
2	Pruning of Trees species to boost up the growth	Pro	rata	125.24	4.28	-	130
3	Wages of Chowkidar @ Rs.259/ day for 12 month (only applicable to	_	rata	3781.40	0	+	3781
٠.	work chage employee)	pio	1010	3/01.40		Ί	3,01
4	Misc. and unforeseen expenditure including running of vechile	Dro	rata	147.13	. 67.41	1	215
-	Total Year		Tata	4053.77	144.45	_	4198
7	Cost escalation in labour amount due to increase in wage rate 20%	+		810.754	0.00	+	811
,				810.734	0.00	1	٠١
8	Administrative charges 10%				- 1		420
	Grand Total	al					5429
	Fourth Year Maintenance (	rear :	5)				
1	Collection of datas regarding impact assesment and strengthening Joint	Pro	orata	0	72.7	6	73
	Forest Management.						
4	Pruning of Trees species to boost up the growth	Pr	orata	125.24	4.2	28	130
5	Wages of Chowkidar @ Rs.259/ day for 12 month (only applicable to	pr	orata	3781.40		0	3781
	work chage employee)						
6	Misc. and unforeseen expenditure including running of vechile	1	orata	147.13	67.4	41	215
•	IMISC. and unforeseen expenditure including running of vectile	lbi		T +1.1T-	, 07	**	213
Ü	Total Year	_		4053.77		_	
7		r 5			144.4	45	4198
7	Total Year Cost escalation in labour amount due to increase in wage rate 25%	r 5		4053.77	144.4	45	4198 1013
	Total Year Cost escalation in labour amount due to increase in wage rate 25% Administrative charges 10%	r 5		4053.77	144.4	45	4198 1013 420
7	Total Year Cost escalation in labour amount due to increase in wage rate 25% Administrative charges 10% Grand To	r 5		4053.77	144.4	45	4198
7	Total Year Cost escalation in labour amount due to increase in wage rate 25% Administrative charges 10% Grand To SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)	r 5		4053.77 1013.4429	7 144.5	45	4198 1013 420 563
7	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join	r 5	Prorata	4053.77	7 144.5	45	4198 1013 420 563
7 8	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.	otal	Prorata	4053.7° 1013.4429 0.0	0 72	.76	4198 1013 420 563
7	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assessment and strengthening Joint Forest Management.  Pruning of Trees species to boost up the growth	otal	Prorata	4053.7: 1013.442! 0.0	0 72	45	4198 1013 420 563°
7 8	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Joint Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month	otal	Prorata Prorata prorata	4053.7° 1013.4429 0.0	0 72	.76	4198 1013 420
7 8 1 2	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assessment and strengthening Joint Forest Management.  Pruning of Trees species to boost up the growth	otal	Prorata Prorata prorata	4053.7: 1013.442! 0.0	0 72.	.76	4198 1013 420 563°
7 8 1 2 3	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired	otal  P  p  p  p  p  p  p  p  p  p  p  p  p	Prorata Prorata prorata	4053.73 1013.4429 0.0 125.2 3781.4	7 144 6 0.0 0 72 24 4 10 13 65	.76 .28 0	4198 1013 420 5631 7.
7 8 1 2 3	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.	otal  pe of p	Prorata Prorata prorata	4053.7: 1013.442! 0.0 125.2 3781.4	7 144 6 0.0 0 72 24 4 10 13 65	.76	4198 1013 420 5631 7.
7 8 1 2 3	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage	otal  nt P  pe of p  i-12.  rate	Prorata Prorata prorata	4053.73 1013.4429 0.0 125.2 3781.4	0 72. 24 4 4 40 13 67	.76 .28 0	4198 1013 420 563 7. 13 378
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage	otal  pe of p	Prorata Prorata prorata	4053.7 1013.442 0.0 125.2 3781.4 147.1	0 72. 24 4 4 40 13 67	.76 .28 07.41	4198 1013 420 563 7. 13 378 21 419
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage	otal  nt P  pe of p  i-12.  rate	Prorata Prorata prorata	4053.7 1013.442 0.0 125.2 3781.4 147.1	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7. 13 378 29 419 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage	otal  nt P  pe of p  i-12.  rate	Prorata Prorata prorata	4053.7 1013.442 0.0 125.2 3781.4 147.1	0 72. 24 4 4 40 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2:
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage	PP	Prorata Prorata prorata	4053.7 1013.442 0.0 125.2 3781.4 147.1	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 25 419 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaire fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%	PP	Prorata Prorata prorata prorata	4053.7 1013.442! 0.0 125.2 3781.4 147. 4053.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2: 411 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaire fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%	PP	Prorata Prorata prorata	4053.7 1013.442! 0.0 125.2 3781.4 147. 4053.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2: 411 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaire fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%  GRAND TO	PP	Prorata Prorata Prorata Prorata Prorata Prorata Prorata	4053.7: 1013.442! 0.0 125.2 3781.4 147.: 4053. 1216.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 25 419 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaire fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%  GRAND TO	PP	Prorata Prorata prorata prorata	4053.7: 1013.442! 0.0 125.2 3781.4 147.: 4053. 1216.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2: 411 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaire fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%  GRAND TO	PP	Prorata Prorata Prorata Prorata Prorata Prorata Prorata	4053.7: 1013.442! 0.0 125.2 3781.4 147.: 4053. 1216.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2: 411 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaire fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%  GRAND TO  OYear  First Year  Second Year	PP	Prorata Prorata Prorata prorata prorata 15671 13205	4053.7 1013.4429 0.0 125.2 3781.4 147.1 4053. 1216.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2: 411 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%  GRAND TO  OYear  First Year	PP	Prorata Prorata Prorata prorata prorata 15671 13205	4053.7 1013.4429 0.0 125.2 3781.4 147.1 4053. 1216.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2 411 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%  GRAND TO  OYear  First Year  Second Year  Third Year	P P F F F F F F F F F F F F F F F F F F	Prorata Prorata Prorata prorata prorata 15671 13205	4053.7 1013.4429 0.0 125.2 3781.4 147. 4053. 1216.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2 411 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%  GRAND TO  OYear  First Year  Second Year  Third Year  Fourth Year	P P F F F F F F F F F F F F F F F F F F	15671 13205 5053 1812	4053.7: 1013.442! 0.0 125.2 3781.4 147.: 4053. 1216.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 2: 411 12
7 8 1 2 3 4	Total Year  Cost escalation in labour amount due to increase in wage rate 25%  Administrative charges 10%  Grand To  SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)  Collection of datas regarding impact assesment and strengthening Join Forest Management.  Pruning of Trees species to boost up the growth  Wages of Chowkidar @ Rs. 259/- day for 12 month  Miscelleneous expenditure including Maintenance of Vehicles, repaired fencing etc.  TOTAL YEAR 6  Cost escalation in labour component due to increase in wage  Administrative charges 10%  GRAND TO  OYear  First Year  Second Year  Third Year	P P F F F F F F F F F F F F F F F F F F	15671 13205 1812	4053.7: 1013.442! 0.0 125.2 3781.4 147.: 4053. 1216.	0 72. 24 4 4 400 13 67	.76 .28 07.41	4198 1013 420 563 7 13 378 25 419 12

उप वन शंरतकि (प्र निता) कार्यालय प्रधान १८० वन शर्म क ही आर.ई.ई. राज., जयपुर

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(सेडूराम यादव) मुख्य वन संरक्षक (आयोजना) भानग्धान, जवपुर



	Seventh Year	5834
<i>_</i>	Eighth year	5834
	Ninth Year	5834
·	Tenth Year	5834
	Eleventh Year	5834
	Twelth Year	5834
	Total	409326
	Say	41000

Note: 1. The model is prepared as per directions of MoEF & CC Goi New Delhi.

- 2. The cost of NFL varies from 325000/- to 668000/- due to fencing cost. DCF/CCF may ensure the fencing with respect to protection measures. (4)
- 3. If the total 1000 plants has not to be planted in proposed site, balance plants may be planted in Degarded Forest land
- 4. Models are indicative any deviation can be approved by competent authority as per site specific condition

(सेडूरामें यादव)

मुख्य बन संरक्षक (आयोजना) राजस्थान, जवपुर

# MODEL COST ESTIMATES FOR COMPENSATORY AFFORESTATION

ON ALLOTED NON FOREST LAND UNIT:

50 Ha ' '

PERIMETER:

60 M/Ha.

LABOUR RATE:

· Rs.259/Day

COST ESTIMATE:

in Rs./Ha.

ADVANCE ACTION (0 YEAR)

0 N = T	ITEMS	RATE	LABOUR	MATERIAL	TOTAL
S.No.	TEMO	(Rs,)	COMPONENT	COMPONENT	
1	Collection of Basic Datas for Microplanning and	1309.88 /	120,8.66	101.22	· 1310
1	carrying out joint forest managment activities.	na		•	
1	carrying out joint research		•	•	
2 .	Survey of area, lay out of contour trenches, #	771.26/ha	694.14	77.12	, 771
	burrowpits and making of segments / plots	4.			. 1
	·			20004	61100
3	a) Construction of puccka wall 1.20 meter	3059/rmt	40379.00	20801	61180
	height 0.50 meter base and 0.38 meter top			. ,	
	(20meter/ha.)		- 122.22	0	7439
	b.) Loose Stone wall fencing 1.20m high 0.80m	371.95/rmt	7439.00		· /#33
	at base & 0.60 at top (20m/ha.)	200.0/	200.00	3200	4000
	c)Fencing of the plantation area with 2.1 meter	200.0/rmt	800.00	3200	1 4000
	high prestressed-Cement Concrete Post and 5				
	stand barbed wire (Details given at annexure				
	"A" for PCC post and annexure B for fencing				1
1	details) (30m/ha.)				10135
4	Digging of 500 pits size: 0.45x(.4+.5/2)2	20.27/ pit	10135.0		81
5	Layout of of staggered/continuous contour	81.47/ha	81.4	1	1
	trenches, V-ditches, contour dykes and pits etc.				-
	by contour survey in 1/4th area				1
		32.38/rml	12952.0	10	0 12952
6	Digging up 400 rmt Staggered Contour	32.30/1111	12332.0		
	Trenches 45x45cm cross section on middle				
	slopes and V-ditch as per site requirement			1	
	In situ Soil and moisture Conservation works	Prorata	4965.	17	0 4965
7	including check dams, percolation tank, earthe	(a) 1000 (c) (c) (c) (c)			
	bund etc.  Construction of the pillars of appropriate size	Prorata	82.	69 97.3	37 18
8	and fixing of iron pipe gate with four square				
1	•				
_	column  Construction of approach road and inspection	Prorata	285	.75	0 28
9		6.4			
	path  Watch and ward @ 259 per day for 4 months	Prorata	630	.23	0 63
10					
11	Construction of Thatched cattle guard hut.	Prorata	390	0.00	210 60
11		d Drasst-		0.00	250 25
12	Cost of grass and other seeds (3 kg grass see	ed Prorata			
	and 3 kg tree species seed	D	0	4,85	5.6 1
13	3 Labour aminities	Prorata	9	1.03	

कायालय १८३५ । अ दन राज्यस the in The

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(संड्रीम यादव) मुख्य यन संरक्षक (आयोजना) राजस्थान, जयपुर

1	Construction of water storage tank.	Prorata	81.47	48.15	130
-	Purchase of signboards and their fixing	Prorata	. 32.83	92.02	125
1		Prorata	154.43	162.64	317
16	Misc. and unforeseen expenses including running of vehicles	···	25		·. · · · · · · · · · · · · · · · · · ·
-	TOTAL YEAR	·	80406.68	25125 12	105532
		· · · ·			10553
17	Administrative charges 10%			7	116085
	TOTAL				

- 1	YEAR I ( PLANTING YEAR )			2.25	72.76	72
	lection of datas regarding impact assesment a strengthening Joint Forest Management.	Prorata		0.00	72.76	
2 Dig	gging of 500 pits of size 0.45 (4+5/2)*2 Cum	20.27/ pit.		10135.00	0	· 10135
	inchase/mainteness of angle	40/plant .		0.00	44000	. 44000
	et height plant estoration by making	Parota		1295.00	0	1295
cr se	rescent shaped mounds on the lower slopes of eedling and sapling and making ring trenches round the natural trees/shrubs.					
۱۰۰	Tourid the Hatard Hoos, swing,	٠.				
	sowing of pellats of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing.	Prorata		1011.68	62.06	1074
6	Sowing/dibbling of seeds of shurb species on the mounds of staggered/continuous contour trenches, and ditch fencing including pretreatment of seeds (400 rmt.)	0.58/ rmt.		232.00	.0	232
7	Transportation of 1100 plants from nursery to planting site including loading and unloading	3.65/plar	nt	3398.11	616.53	4015
8 .	Planting of 1000 seedlings including Refilling of	of 7.75/pla	nt	7750.00	(	7750
9	Making of 1000 crescent shaped mounds belonged planted sapling after planting and dibbling 2 of 3 seeds of shrub species on the mound.	7.20/pla	nt	7200.00		0 7200
10	Purchase and application of insecticides, fertilizer, plant growth harmone etc. in 1000	4.92/pla	ant	3978.60	941	.6 492
11	plants Watering with insecticide to the plants. (2 times) for 1000 plants (Total 2000 plants) mills lit.			16000.00		0 1600
12	Weeding and eing of 1000 plants in 2 time (Total 2000 plants)			9300.0		0 93
13	Hoeing of the plants before watering of 100 plants in 2 times (Total 2000 plants)			4640.0		0 46
14	Wedding on staggered/ continuous contoutrenches and 'V' ditch including Singling/spacement in the line sowing. (400 RMT)	- 1	rmt	1824.	00	0 13

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(सेडूराग यादय) गुख्य का संरक्षक (आयोजना) राजस्थान, जयपुर

1	Wato	h and ward @259 per day for 12 months	ororata	1890.70	. 0	1891
			Prorata	42.56	36.38	79
16	Spec	ial protection of frost teness of establish			22.54	. 224
17	Labo	our aminities.	Prorata	200.63	23.54	
18	Mice	ellaneous and unforeseen expenditure	Prorata	160.51	117.7	278
10		uding running of vechile.	-			•
_	+	TOTAL YEAR 1		69058.79	45870.57	114929
10	+	Cost escalation in labour amount due to		3452.94	. 0	. 3453
19		increase in wage rate @5%				11493
20	Adı	ministrative charges 10%				129875
	_	TAL				123073
	-	First Year Maintenance ( year 2)	*	0.00	72.76	73
• 1	Ico	llection of datas regarding impact assesment	Prorata	0.00	72.76	/3
-	an	nd strengthening Joint Forest Management.				
	-				4400	4400
2	1pi	urchasing /maintenance of 110 seedlings for	40/plants	0.00	. 4400	4400
2	.,   .,	asulty replacement plant size (3 to 5 feet	1 1		*	
		eight)		1005.00	47.1	1342
3	1 C	asualty replacement 100 plants including	13.42/plan	1295.00	47.1	1344
٦	,	edigging of pits, transportation planting,	t			
1	l.	vatering		222.00	0	23:
	1	Sowing/dibbling of seeds of shurb species on	0.61/ rmt.	232.00	٥	23
1.	1,	the mounds of staggered/continuous contour				
1	- 1	trenches, "V" ditch and ditch fencing including	1 1			
1	- 1	pretreatment of seeds (400 m.)				1600
$\vdash$	-	Watering with insecticide to the plants . (2	8.0/plant	16000.00	0	1600
1		times) for 1000 plants (Total 2000 plants) min				
		15 lit		9300.00	0	930
-	6	Weeding and Hoeing in 1000 plants in pits tw	o 4.65/plant	9300.00	٩	930
ı	_	rtimes Total 2000 plants)		1510.00	0	464
	7	Hoeing of the plants before watering of 1000	2.32/plant	4640.00	٥	40-
	40	plants in 2 times (Total 2000 plants)	1.551	1824.00	0	183
H	8	Wedding on staggered/ continuous contour	4.56/rmt	1624.00	U	10.
		trenches and 'V' ditch including Singling/				
		spacement in the line sowing. (400 rmt.)		007.44	0.63	2
<b> </b>	9	Repair of fencing	Prorata	237.11 165.37	9.63	1
-	10	Pagairing of Check dams / WHS	Prorata		11.77	2
r	11	Pruning of Trees species to boost up the grow	wth Prorata	251.70	12.84	'
1						

क्षा अंत्रा कानकार (स्पृष्टीसन्तर)

Wages of Chowkidar @ Rs.259/ day for 12

Misc. and unforeseen expenditure including

Cost escalation in labour amount due to

Increase in wage rate @10%

month (only applicable to work chage

12

13

13

14

employee)

TOTAL

running of vechile

Administrative charges 10%

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**TOTAL YEAR 2** 

prorata

prorata

(सेडूरिम याद्य) मुख्य प्रत संरक्षक (आयोजना) राजस्थाम, जयगुर

67.41

4622

1890.70

147.13

35983.02

3598.30

1891

215

40605

3598

4060

48263

		_	()	aar 2)			
	Second Year Main			ear 3)		72.76	73
	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Pro	rata	ď			
				8000.00		0	0000
	Natering with insecticide to the plants . (1	18.0,	/plant	8000,000		Ĭ	5555
	times) for 1000 plants (Total 1000 plants) min					1	1
	15 lit.	_				0	2320
3	Hoeing of the plants before watering of 1000	2.3	2/plant	2320.00		٩	2320
	plants in 1 times (Total 1,000 plants)					4.20	130
A	Pruning of Trees species to boost up the growth	Pr	orata	125.24		4.28	, 130
							1001
5	Wages of Chowkidar @ Rs.259/ day for 12	pr	orata	. 1890.70		0	1891
5	1 .	1		*			
<u> </u>	month	n	rorata	147.13		67.41	215
6	Misc. and unforeseen expenditure including	15.	0,41				
	running of vechile	1		12483.07	,	144.45	12628
7	Total Year	+		1872.4605	_	0.00	1872
8	Cost escalation in labour amount due to			25,255			
	increase in wage rate 15%	+					1263
9	Administrative charges 10%  Grand To	all					15763
е.	Third Year Ma		enance l	Year 4)			
	Third Year Ivia	- 1	Prorette	T	0	72.76	73
1	Collection of datas regarding impact assesme	וות	Prorata	1	1		
	and strengthening Joint Forest Management.					1	1
		-		125.2	1	4.28	130
2	Pruning of Trees species to boost up the grov	vth	Prorata	125.2	-4	25	
	×			1000	70	0	1891
3	Wages of Chowkidar @ Rs.259/ day for 12		prorata	1890.	/0	٩	1031
	month (only applicable to work chage					· ·	
	employee)					67.41	215
4	L. farmer expanditure including		prorata	147.	13	67.41	. 215
•	running of vechile						
	Total Ye	ar 4		2163	.07	144.45	2308
	Cost escalation in labour amount due to			432.6	514	0.00	433
	increase in wage rate 20%						224
	Administrative charges 10%						231
	Grand T	Tota	ıl			×	297
_	Fourth Year	Ma	intenand	ce (Year 5)			
					0	72.7	6 7
	1 Collection of datas regarding impact assess and strengthening Joint Forest Manageme	nt.					
	and strengthening Joint Polest Manageme		1				1
			h Prorat	12	5.24	4.2	28 13
	4 Pruning of Trees species to boost up the gr	OWI	Tribiati	"   ""			
			-	10	90.70		0 18
	5 Wages of Chowkidar @ Rs.259/ day for 12		prorat	ia   18	30.70		10
	month (only applicable to work chage				1		
	employee)						
		ng	prora	ta 1	47.13	67	.41
	6 Misc. and unforeseen experiorities include running of vechile						
	running of vectilie Total	Yea	r 5	21	63.07	144	.45 23
	tetter le labour amount due		_		40.77	0	.00
	7 Cost escalation in labour amount due			,			_
	increase in wage rate 25% Administrative charges 10%	_	_			6	
	8 Administrative charges 10%					-X-	

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(सेंस्राम याद्य) गुख्य क स्थाक (आयोजना) शांशस्त्राक जयपुर

/				1	3079
	Grand Total			Ì	
	SUBSEQUENT MAINTENANCE (YEAR 6 T	O 12)		72.76	. 73
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata .·	0.00	72.76	
2	Pruning of Trees species to boost up the growth	Prorata	125.24	· 4.28	130
3	Wages of Chowkidar @ Rs. 259/- day for 12	prorata	1890.70	. 0	1891
4	month Miscelleneous expenditure including	prorata	147.13	67.41	215
,	Maintenance of Vehicles, repaire of fencing etc.	6		144	2308
	TOTAL YEAR 6-12		2163.07		649
_ 5	Cost escalation in labour component due to increase in wage rate @30%	6			231
6	Administrative charges 10%	1	·	Total	3187
_	GRAND TOTA	L			

GRANI	D TOTAL
	116085
OYear	129875
First Year	48263
Second Year	15763
Third Year	2971
Fourth Year	3079
Fifth Year	3187
Sixth Year	3187
Seventh Year	3187
Eighth year	3187
Ninth Year	3187
Tenth Year	3187
Eleventh Year	
Twelth Year	3187
Total	338347
Say	339000

Note: 1. The model is prepared as per directions of MoEF & CC Goi New Delhi.

2. The cost of NFL varies from 278000/- to450000/- due to fencing cost. DCF/CCF may ensure the fencing with respect to protection measures.

3. If the total 1000 plants has not to be planted in proposed site, balance plants may be planted in Degarded Forest land

4. Models are indicative any deviation can be approved by competent authority as per site specific condition

(सेडूराम याद्य) मुख्य बन संरक्षक (आरोजना) राजरधाम, जायपुर

# MODEL COST ESTIMATE FOR COMPENSATORY AFFORESTATION

ON DEGRADED FOREST LAND

UNIT:

05 Ha

PERIMETER:

180 M/Ha. Rs. 259/Day

LABOUR RATE: COST ESTIMATE:

in Rs./Ha.

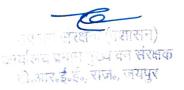
### 0 YEAR (ADVANCE ACTION)

	(ADVANCE ACTION)				
S.No.	ITEM OF WORK	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest managment activities.	1309.88/ ha.	1209	101	1310
2	Survey of area, layout of contour trenches, burrow oits and making of segments / plots	771.26 / ha.	694	77	771
3	Fencing by Barwad wire, stone wall and or by ditch.				
	a.) Loose Stone wall fencing 1.20 m high 0.80 m at base & 0.60 at top (on an average 60 m/ha.)	371.95 / rmt	22317	0	22317
	b.) Ditch fencing 1.20m deep,1.50m wide at top & 0.90m at bottom (on an average 60m/ha.)/Barwad wire fencing	280.69 / rmt	16842	0	16842
	c)Fencing of the plantation area with 2.1 meter high prestressed Cement Concrete Post and 5 stand barbed wire (Details given at annexure "A" for PCC post and annexure B for fencing details) (60m/ha.)	200.0/rmt	2400.00	9600	12000
4	Layout of staggered /contineous contour trenches, v-ditch, contour dykes and pits etc. by contour survey in the area	81.47/ha	81	0	81
5	Digging up 200 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	32.38 / rmt	6476	0	6476
6	Digging of 400 pits size: 0.45x(0.4+0.5/2)2 cum	20.27 / pit	8108	0	8108
7	Cost of collection and purchase of grass and other seeds of trees and shrubs ( 3 kg grass seed and 3 kg tree species seed)	Prorata	0		250
8	In situ Soil and moisture Conservation works including check dams, percolation tank, earthen bund etc.	Prorata	4965.17	0	4965
9	Construction of Thatched cattle guard hut/shade	Prorata	390.00	210	600
10	Construction of water storage tank.	Prorata	81	48	130
11	Labour aminities	Prorata	95	86	180
12	Watch and ward for 4 months @ 259 per day	Prorata	6302	0	6302
13	Construction of the pillars of appropriate size for gate.	Prorata	83	97	180
14	Construction of approach road / inspection path	Prorata	440	0	440



(संडूराम यादय) मुख्य का संरक्षक (आयोजना) राजस्थान, जयपुर

15	Purchase of signh and 0.5				
16	Purchase of signboards & fixing at site	Prorata	33	92	125
	Misc. and unforeseen expenses including POL for vehicles	Prorata	288	108	396
18	Administration I	0	70804	10670	81474
10	Administrative charges 10%				8147
	VEAD			TOTAL	89621
1	YEAR I ( PLANTING YEAR	)		·	-
	Collection of datas regarding impact assessment and strengthening Joint Forest Management.	Prorata	0	73	73
2	Purchasing and Maintenance of 770 plants	ļ.,,			
3	Digging of 300 pits of size 0.45 (4+5/2)*2 Cum	40/plant	0	30800	30800
4	Sowing/dibbling of seeds of grass /thorny trees	20.27 / pit	6081	0	6081
	species on the mounds of contour trench and ditch fencing etc. ( 200 m / ha.)	0.58/m	116	0	116
5	Purchase and application of insecticides, fertilizer, plant growth harmone etc. in 1000 plants	4.92/plant	2785.02	658.98	3444
6	Sowing of pellats of grass/piece of seed mud cakes of grass seeds between row of pits by ploughing and furrowing.	Prorata	1012	62	1074
7	Restoration of natural regeneration by making crescent shapad mounds on the lower slopes of seedling and sapling and making ring tranches around the natural trees / shrubs.	Parota	1295	0	1295
8	Transportation of 770 plants from nursery to planting site in cluding loading and unloading	3.65/plant	2616.54	193.96	2811
9	Planting of 700 seedlings including Refilling of pits	7.75/plant			
10	Making of 700 crescent shaped mounds below		5425.00	0	5425
1	planted sapling after planting and dibbling 2 or 3 seeds of shrub species on the mound.	7.20/plant	5040.00	0	5040
11	Watering with insecticide to the plants . (2 times) for 700 plants (Total 1400 plants) min 15 lit.	8.0/plant	11200.00	0	11200
	Weeding and hoeing of 700 plants in 2 time. (Total 1400 plants)	4.65/ plant	6510	0	6510
	Hoeing of the plants before watering of 700 plants in 2 times (Total 1400 plants)	2.32/plant	3248.00	0	3248
	Wedding on staggered/ continuous contour trenches and 'V' ditch including Singling/spacement in the line sowing. (400 RMT)	4.56/rmt	1824.00	0	1824
15	Watch and ward for 12 months @ Rs.259 per day	prorata	18907	0	18907
16	Labour aminties and hut repair.	Prorata	375		
17	Micellaneous and unforeseen expenditure including running of vechile.	Prorata	179	49 32	211
	TOTAL YEAR 1		66613	31869	98482
	Cost escalation in labour amount due to increase in labour rate @5%		3331	0	3331



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

19	Administrative charges 10%				9848
				TOTAL	111660
	FIRST YEAR MAINTENANCE (YEAR 2)				
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	73	73
2	Purchasing and Maintenance of 70 plants	40/plants	0	2800	2800
3	Repair of fencing	Prorata	259	O	259
4	Watering with insecticide to the plants . (2 times) for 700 plants (Total 1400 plants) min 15 lit.	8.0/plant	11200.00	0	11200
5	Casualty replacement 70 plants including redigging of pits, transportation planting, watering	13.42/plant	906.50	32.9	939
6	Weeding and hoeing of 700 plants in 2 time. (Total 1400 plants)	4.65/ plant	6510	0	6510
7	Hoeing of the plants before watering of 700 plants in 2 times (Total 1400 plants)	2.32/plant	3248.00	0	3248
8	Wedding on staggered/ continuous contour trenches and 'V' ditch including Singling/spacement in the line sowing. (400 RMT)	4.56/rmt	1824.00	0	1824
9	Watch and ward for 12 months @259/ per day	prorata / ha	18907	0	18907
10	Misc. and unforeseen expences including (forest protection measures and running of vechile etc.	prorata	390	238	628
	TOTAL YEAR 2		43245	3143	46388
10	Cost escalation in labour amount due to increase in labour rate @10%		4324	0	4324
11	Administrative Charges 10%	¥			4639
-	GRAND TOTAL				55351
	Second Year mainte	nance (Year 3)		•	
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	73	73
2	Watering with insecticide to the plants . (1 times) for 700 plants (Total 700 plants) min 15 lit.	8.0/plant	5600.00	. 0	5600
- 1	Hoeing of the plants before watering of 700 plants in 1 times (Total 700 plants)	2.32/plant	1624.00	0	1624
4	Watch and ward for 12 months @ 259/ per day	prorata	18907	0	18907
	Misc.and unforseen expenditure including (repairing of fencing / structures pruning /running of vechile etc.	prorata	798	289	1087
	Total Year 3		26929	362	27290
	Cost escalation in labour amount due to increase		4039	0	4039
	in labour rate @15% Administrative charges 10%				



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

Say	540000
TOTAL	539595
Twelth Year	27984
Eleventh Year	27984
Tenth Year	27984
Ninth Year	27984
Eighth year	27984
Seventh year	27984
Sixth year	27984

#### Note:

- 1. Plants taken 1000, area has to be increased accordingly as per direction of MoEF & CC Gol New Delhi.
- 2. The cost of DFL varies from 525000/- to 585000/- due to fencing cost. DCF/CCF may ensure the fencing with respect to protection measures.
- 3. If the total 1000 plants has not to be planted in proposed site, then area may be increase proportionally.
- 4. Models are indicative any deviation can be approved by competent authority as per site specific condition

(सेड्रराम यादव)

मुख्य वन संरक्षक (आयोजना) राजस्थान जयवर

# MODEL COST ESTIMATE FOR COMPENSATORY AFFORESTATION

**ON DEGRADED FOREST LAND** 

UNIT:

PERIMETER: LABOUR RATE:

25 Ha 90 M/Ha. Rs. 259/Day

**COST ESTIMATE:** 

in Rs./Ha.

**0 YEAR (ADVANCE ACTION)** 

S.No.	ITEM OF WORK	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest managment activities.	1309.88/ ha.	1209	101	1310
2	Survey of area, layout of contour trenches, burrow pits and making of segments / plots	771.26 / ha.	694	77	771
3	Fencing by Barwad wire, stone wall and or by ditch.				
	a.) Loose Stone wall fencing 1.20 m high 0.80 m at base & 0.60 at top (on an average 30 m/ha.)	371.95 / rmt	11159	0	11159
	b.) Ditch fencing 1.20m deep,1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)/Barwad wire fencing	280.69 / rmt	8421	0	8421
	c)Fencing of the plantation area with 2.1 meter high prestressed Cement Concrete Post and 5 stand barbed wire (Details given at annexure "A" for PCC post and annexure B for fencing details) (30m/ha.)	200.0/rmt	1200.00	4800	6000
4	Layout of staggered /contineous contour trenches, v- ditch, contour dykes and pits etc. by contour survey in the area	81.47/ha	81	0	81
5	Digging up 200 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	32.38 / rmt	6476	0	6476
6	Digging of 400 pits size: 0.45x(0.4+0.5/2)2 cum	20.27 / pit	8108	0	8108
7	Cost of collection and purchase of grass and other seeds of trees and shrubs ( 3 kg grass seed and 3 kg tree species seed)	Prorata	0	250	250
8	In situ Soil and moisture Conservation works including check dams, percolation tank, earthen bund etc.	Prorata	4965.17	0	4965
9	Construction of Thatched cattle guard hut	Prorata	390.00	210	600
10	Construction of water storage tank.	Prorata	81	48	130
11	Labour aminities	Prorata	95	86	180
12	Watch and ward for 4 months @ 259 per day	Prorata	1260	0	1260
13	Construction of the pillars of appropiate size for gate.	Prorata	83	97	180
14	Construction of approach road / inspection path	Prorata	440	0	440
15	Purchase of signboards & fixing at site	Prorata	33	92	125
16	Misc. and unforeseen expenses including POL for vehicles	Prorata	288	108	396

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(सेंडूराम यादय) मुख्य वन संरक्षक (आयोजना) राजस्थान, जवपुर

					34059
	GRAND TOTAL Third Year mainten	ance (Vear 4)			
		Prorata	0	73	73
1	Collection of datas regarding impact assessment and	Fioraca			
	strengthening Joint Forest Management.				
	and family months @ 250/ nor day	prorata	18907	. 0	18907
2	Watch and ward for 12 months @ 259/ per day	prorute			
	Misc.and unforseen expenditure including	prorata	798	289	1087
3	(repairing of fencing / structures pruning/running	p. 0. a.a.			
	of yechile etc.				
	Total Year 4		19705	362	20066
6	Cost escalation in labour amount due to increase		3941	0	3941
b	in labour rate @20%				
7	Administrative charges 10%				2007
	GRAND TOTAL				26014
	Fourth Year mainter	nance (Year 5)			
1		Prorata	0	73	73
1	strengthening Joint Forest Management.				
	Strengthening Joint Forest Wallagement				
2	Watch and ward for 12 months @ 259/ per day	prorata	18907	0	18907
		prorata	798	289	1087
3	Misc.and unforseen expenditure including	i prorata	750		
	(repairing of fencing / structures pruning ,running				
	of vechile etc. Total Year 5		19705	362	20066
	Cost escalation in labour amount due to increase		4926	0	4926
4	in labour rate @25%				
		4			2007
5	Administrative charges 10%  GRAND TOTAL				26999
	SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)				
	Collection of datas regarding impact assesment and	Prorata	0	73	73
1	strengthening Joint Forest Management.				
	strengthening Joint Forest Management.			1	
2	Watch and ward for 12 months @ 259/ per day	prorata	18907	0	18907
			798	289	1087
3	Misc.and unforseen expenditure including	prorata	790	289	1007
	(repairing of fencing / structures pruning/running of				
	vechile etc.		19705	362	20066
	TOTAL YEAR 6-12.  Cost escalation in labour amount due to increase		5911	0	5911
4	in labour rate @30%	1 1	3311	1	3311
		,			2007
5	Administrative charges 10%			Total	27984
	GRAND TOTAL			Total	27301
	0 Year	89621			
		111660			
	First Year Second Year	55351			
	Third Year	34059		•	
	Fourth Year	26014			
	Fifth Year	26999		1	
I	ITHUI ICOI		ı		



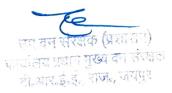
(संडूरान यादय) मुख्य वन संरक्षक (आयोजमा) राजस्थीम, जनपुर

	TOTAL VEAD O		44984	5870	50853
	TOTAL YEAR 0				5085
18	Administrative charges 10%			TOTAL	55939
	YEAR I ( PLANTING YEAR )				
		Prorata	0	73	73
1	Collection of datas regarding impact assesment and	,,0,,,,,			
	strengthening Joint Forest Management.				
	- F 770 plants	40/plant	0	30800	30800
2	Purchasing and Maintenance of 770 plants	20.27 / pit	6081	0	6081
3	Digging of 300 pits of size 0.45 (4+5/2)*2 Cum	0.58/m	116	0	116
4	Sowing/dibbling of seeds of grass /thorny trees	0.56,			
	species on the mounds of contour trench and ditch				
	fencing etc. ( 200 m / ha.)	4.92/plant	2785.02	658.98	3444
5	Purchase and application of insecticides, fertilizer,	4.52, plant			
	plant growth harmone etc. in 1000 plants			·	
3		Prorata	1012	62	1074
6	Sowing of pellats of grass/piece of seed mud cakes of	Fioraca			
	grass seeds between row of pits by ploughing and				
	furrowing.	Parota	1295	0	1295
7	Restoration of natural regeneration by making	Parota			
	crescent shapad mounds on the lower slopes of				
	seedling and sapling and making ring tranches				
	around the natural trees / shrubs.	3.65/plant	2616.54	193.96	2811
8	Transportation of 770 plants from nursery to planting	5.05/plant	2010.54		
	site in cluding loading and unloading	7.75/plant	5425.00	0	5425
9	Planting of 700 seedlings including Refilling of pits			0	5040
10	Making of 700 crescent shaped mounds below	7.20/plant	5040.00	١	3010
	planted sapling after planting and dibbling 2 or 3	24			
	seeds of shrub species on the mound.	0.04-1	11222 22	0	11200
11	Watering with insecticide to the plants . (2 times) for	8.0/plant	11200.00	"	11200
	700 plants (Total 1400 plants) min 15 lit.				
12	Weeding and hoeing of 700 plants in 2 time. (Total	4.65/ plant	6510	이	6510
	1400 plants)				
13	Hoeing of the plants before watering of 700 plants in	2.32/plant	3248.00	이	3248
	2 times (Total 1400 plants)	-0			
14	Wedding on staggered/ continuous contour trenches	4.56/rmt	1824.00	0	1824
	and 'V' ditch including Singling/spacement in the line				
	sowing. (400 RMT)				
15	Watch and ward for 12 months @ Rs.259 per day	prorata	3781	이	3781
25					
16	Labour aminties and hut repair.	Prorata	375	49	424
17	Micellaneous and unforeseen expenditure including	Prorata	179	32	211
	running of vechile.				
	TOTAL YEAR 1		51487	31869	83356
18	Cost escalation in labour amount due to increase in		2574	0	2574
	labour rate @5%				
19	Administrative charges 10%				8336
				TOTAL	94266

FIRST YEAR MAINTENANCE (YEAR 2)

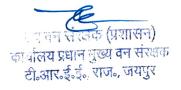
ज्य वन संरक्षक (प्रशासन) कार्यालय प्रधान मुख्य वन संरक्षक टी.आर.ई.ई., राज., जयपुर (सेंडूराम यादव) मुख्य वन संरक्षक (आयोजना) राजस्थान, जवपुर

1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	73	73
	2 de la companya de 70 minute	40/plants	0	2800	2800
2	Purchasing and Maintenance of 70 plants	40/plants Prorata	259	0	259
3	Repair of fencing	8.0/plant	11200.00	0	11200
4	Watering with insecticide to the plants . (2 times) for	0.0/plant	11200.00		
	700 plants (Total 1400 plants) min 15 lit.	12.42/plant	906.50	32.9	939
5	Casualty replacement 70 plants including redigging of	13.42/plant	300.30	32.3	
	pits, transportation planting, watering		6540	0	6510
6	Weeding and hoeing of 700 plants in 2 time. (Total	4.65/ plant	6510	٩	. 0510
	1400 plants)				3248
7	The end of the plants before watering or you plants in	2.32/plant	3248.00	0	32 <del>4</del> 0
	2 times (Total 1400 plants)				1024
8	Wedding on staggered/ continuous contour trenches	4.56/rmt	1824.00	0	1824
1	and 'V' ditch including Singling/spacement in the line				
	sowing. (400 RMT)				
9	Watch and ward for 12 months @259/ per day	prorata / ha	3781	0	3781
10	Misc. and unforeseen expences including (forest	prorata	390	238	628
	protection measures and running of vechile etc.				
	TOTAL YEAR 2		28119	3143	31262
10	Cost escalation in labour amount due to increase in		2812	0	2812
	labour rate @10%				
11	Administrative Charges 10%				3126
	GRAND TOTAL				37200
	Second Year mainten	ance (Year 3)			
1	Collection of datas regarding impact assesment and	Prorata	0	73	73
	strengthening Joint Forest Management.				
	,				
2	Watering with insecticide to the plants . (1 times) for	8.0/plant	5600.00	0	5600
4	700 plants (Total 700 plants) min 15 lit.				
3		2.32/plant	1624.00	0	1624
3	1 times (Total 700 plants)				
4	Watch and ward for 12 months @ 259/ per day	prorata	3781	0	3781
5	Misc.and unforseen expenditure including (repairing	-	798	289	1087
,	of fencing / structures pruning /running of vechile	prorutu			
	etc. Total Year 3		11803	362	12164
	Cost escalation in labour amount due to increase in		1770	0	1770
	labour rate @15%		1770	1	2
	Administrative charges 10%				1216
	GRAND TOTAL				15151
	Third Year maintena	ince (Year 4)			
	Collection of datas regarding impact assesment and	Prorata	0	73	73
1	strengthening Joint Forest Management.	Toruca	١	/3	/3
	Strengthening John Forest Management.				
	Watch and ward for 12 months @ 259/ per day	prorata	3781	0	3781
2	IWATER AND WALLIOF IZ INDITIES (# 233) PEL UGY	[Prorata	2/01	OI.	3/81



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

		· · · · · · · · · · · · · · · · · · ·	798	289	1087
3	Misc.and unforseen expenditure including (repairing	prorata	750	203	
	of fencing / structures pruning/running of vechile				
	etc.		4579	362	4940
	Total Year 4		916	0	916
6	Cost escalation in labour amount due to increase in		910	٦	
	labour rate @20%				494
7	Administrative charges 10%				6350
	GRAND TOTAL	(Yoar 5)			
	Fourth Year maintena	Prorata	0	73	73
1	Collection of datas regarding impact assesment and	Prorata	Ŭ		
	strengthening Joint Forest Management.				
2	Watch and wand for 12 months @ 250/ nor day	prorata	3781	0	3781
	Watch and ward for 12 months @ 259/ per day		798	289	1087
3	Misc.and unforseen expenditure including	prorata	790	203	200.
1	(repairing of fencing / structures pruning, running of				
	vechile etc.		4579	362	4940
	Total Year 5		1145	0	1145
4	Cost escalation in labour amount due to increase in		1145	١	1145
	labour rate @25%				494
5	Administrative charges 10%				6579
	GRAND TOTAL				
	SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)	Prorata	0	73	73
1	Collection of datas regarding impact assesment and	Pitiala	U	, ,	, 5
	strengthening Joint Forest Management.				
2	Watch and ward for 12 months @ 259/ per day	prorata	3781	0	3781
3	Misc.and unforseen expenditure including (repairing	prorata	798	289	1087
	of fencing / structures pruning/running of vechile				
	etc.				
	TOTAL YEAR 6-12.		4579	362	4940
4	Cost escalation in labour amount due to increase in		1374	0	1374
	labour rate @30%				
5	Administrative charges 10%				494
				Total	6808
	GRAND TOTAL				
	0 Year	55939			
	First Year	94266			
	Second Year	37200			
	Third Year	15151			
	Fourth Year	6350			
	Fifth Year	6579			
	Sixth year	6808			
	Seventh year	6808			
	Eighth year	6808			
	Ninth Year	6808			
	Tenth Year	6808			
	Eleventh Year	6808			
	Twelth Year	6808			



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

TOTAL	263141
Say	263000

#### Note:

- 1. Plants taken 1000, area has to be increased accordingly as per directions of MoEF & CC Gol New Delhi.
- 2. The cost of DFL varies from 255000/- to 271000/- due to fencing cost. DCF/CCF may ensure the fencing with respect to protection measures.
- 3. If the total 1000 plants has not to be planted in proposed site, then area may be increase proportionally.
- 4. Models are indicative any deviation can be approved by competent authority as per site specific condition

(संड्राम यादय)

मुख्य बन संरक्षक (आयोजना) राजस्थान, जयपुर

## MODEL COST ESTIMATE FOR COMPENSATORY AFFORESTATION

ON DEGRADED FOREST LAND

UNIT : PERIMETER:

50 Ha

LABOUR RATE:

60 M/Ha. Rs. 259/Day

COST ESTIMATE:

in Rs./Ha.

### 0 YEAR (ADVANCE ACTION)

S.No.	ITEM OF WORK	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest managment activities.	1309.88/ ha.	1209	101	1310
2	Survey of area, layout of contour trenches, burrow pits and making of segments / plots	771.26 / ha.	694	77	771
3	Fencing by Barwad wire, stone wall and or by ditch.				
	a.) Loose Stone wall fencing 1.20 m high 0.80 m at base & 0.60 at top (on an average 20 m/ha.)	371.95 / rmt	7439	0	7439
	(on an average 20m/ha.)/Barwad wire fencing	280.69 / rmt	5614	0	5614
	c)Fencing of the plantation area with 2.1 meter high prestressed Cement Concrete Post and 5 stand barbed wire (Details given at annexure "A" for PCC post and annexure B for fencing details) (20m/ha.)	200.0/rmt	800.00	3200	4000
4	Layout of staggered /contineous contour trenches, v-ditch, contour dykes and pits etc. by contour survey in the area	81.47/ha	81	0	81
5	Digging up 200 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	32.38 / rmt	6476	0	6476
6	Digging of 400 pits size: 0.45x(0.4+0.5/2)2 cum	20.27 / pit	8108	0	8108
7	Cost of collection and purchase of grass and other seeds of trees and shrubs (3 kg grass seed and 3 kg tree species seed)	Prorata	0	250	250
8	In situ Soil and moisture Conservation works including check dams, percolation tank, earthen bund etc.	Prorata	4965.17	0	4965
9	Construction of Thatched cattle guard hut	Prorata	390.00	210	600
10	construction of water storage tank.	Prorata	81	48	130
11	Labour aminities	Prorata	95	86	180
12	Watch and ward for 4 months @ 259 per day	Prorata	630	0	630
13	Construction of the pillars of appropiate size for gate.	Prorata	83	97	180
14	Construction of approach road / inspection path	Prorata	440	3,	440
15	Purchase of signboards & fixing at site	Prorata	33		
16	Misc. and unforeseen expenses including POL for vehicles	Prorata	288	-	125 396
	TOTAL YEAR O		37426		
18	Administrative charges 10%			12.0	4170
	VEAD L/ DI ANITO			TOTAL	45866
1	YEAR I ( PLANTING YEAR ) Collection of datas regarding impact assesment and strengthening				43000
	Joint Forest Management.	Prorata	C	73	73
2	Purchasing and Maintenance of 770 plants	40/plant		30800	30900
3	Digging of 300 pits of size 0.45 (4+5/2)*2 Cum	20.27 / pit	6081	30000	-
4	Sowing/dibbling of seeds of grass /thorny trees species on the mounds of contour trench and ditch fencing etc. ( 200 m / ha.)	0.58/m	116	-	5001
5	Purchase and application of insecticides, fertilizer, plant growth harmone etc. in 1000 plants	4.92/plant	2785.02	658.98	3444

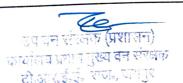
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. [	6	Sowing of pellats of grass/piece of seed mud cakes of grass seeds	Prorata	1012	62	1074
		between row of pits by ploughing and furrowing.		,		
	7	Restoration of natural regeneration by making crescent shapad	Parota	1295	0	1295
		mounds on the lower slopes of seedling and sapling and making ring tranches around the natural trees / shrubs.				
上	8	Transportation of 770 plants from nursery to planting site in cluding	3.65/plant	2616.54	193.96	2811
		loading and unloading				
	9	Planting of 700 seedlings including Refilling of pits	7.75/plant	5425.00	0	5425
	10	Making of 700 crescent shaped mounds below planted sapling after planting and dibbling 2 or 3 seeds of shrub species on the mound.	7.20/plant	5040.00	. 0	5040
	11	Watering with insecticide to the plants . (2 times) for 700 plants	8.0/plant	11200.00	0	11200
		(Total 1400 plants) min 15 lit.		11200.00		
	12	Weeding and hoeing of 700 plants in 2 time. (Total 1400 plants)	4.65/ plant	6510	0	6510
	13	Hoeing of the plants before watering of 700 plants in 2 times (Total 1400 plants)	2.32/plant	3248.00	0	3248
	14	Wedding on staggered/ continuous contour trenches and 'V' ditch including Singling/spacement in the line sowing. (400 RMT)	4.56/rmt	1824.00	0	1824
	15	Watch and ward for 12 months @ Rs.259 per day	prorata	1891	0	1891
	16	Labour aminties and hut repair.	Prorata	375	49	424
	17	Micellaneous and unforeseen expenditure including running of vechile.	Prorata	179	32	211
		TOTAL YEAR 1		49596	31869	81465
_	18	Cost escalation in labour amount due to increase in labour rate @5%		2480	0	2480
	19	Administrative charges 10%	(2)			8147
					TOTAL	92092

### FIRST YEAR MAINTENANCE (YEAR 2)

	GRAND TOTAL Second Year maintenance (				34932
11	Administrative Charges 10%				2937
10	Cost escalation in labour amount due to increase in labour rate @10%	1	2623	0	2623
	TOTAL YEAR 2		26229	3143	2937
10	Misc. and unforeseen expences including (forest protection measures and running of vechile etc.	prorata	390	238	623
9	Watch and ward for 12 months @259/ per day	prorata / ha	1891	0	1891
8	Wedding on staggered/ continuous contour trenches and 'V' ditch including Singling/spacement in the line sowing. (400 RMT)	4.56/rmt	1824.00	0 .	1824
7	Hoeing of the plants before watering of 700 plants in 2 times (Total 1400 plants)	2.32/plant	3248.00	0	3248
6	Weeding and hoeing of 700 plants in 2 time. (Total 1400 plants)	4.65/ plant	6510	0	651
5	Casualty replacement 70 plants including redigging of pits, transportation planting, watering	13.42/plant	906.50	32.9	939
4	Watering with insecticide to the plants . (2 times) for 700 plants (Total 1400 plants) min 15 lit.	8.0/plant	11200.00	0	1120
3	Repair of fencing	Prorata	259	0	25
2	urchasing and Maintenance of 70 plants	40/plants	0	2800	280
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	73	7:



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			0	73	73
1	Collection of datas regarding impact assessment and strengthening	Prorata	U		
2	Joint Forest Management.  Watering with insecticide to the plants . (1 times) for 700 plants	8.0/plant	5600.00	0	5600
3	(Total 700 plants) min 15 lit.  Hoeing of the plants before watering of 700 plants in 1 times (Total	2.32/plant	1624.00	0	1624
<u> </u>	700 plants)	prorata	1891	0	1891
5	Watch and ward for 12 months @ 259/ per day  Misc.and unforseen expenditure including (repairing of fencing /	prorata	798	289	1087
	structures pruning /running of vechile etc.		9912	362	10274
	Total Year 3		1487	0	1487
	Cost escalation in labour amount due to increase in labour rate @15%		1407		1027
	Administrative charges 10%				12788
	GRAND TOTAL				12780
	Third Year maintenance (Ye	ear 4)		72	72
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	73	73
2	Watch and ward for 12 months @ 259/ per day	prorata	1891	0	1891
3	Misc.and unforseen expenditure including (repairing of fencing /	prorata	798	289	1087
	Total Year 4		2688	362	3050
6	Cost escalation in labour amount due to increase in labour rate		538	0	538
	@20%		338		
7	Administrative charges 10%				305
	GRAND TOTAL				3893
	Fourth Year maintenance (Y	ear 5)			
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	73	73
2	Watch and ward for 12 months @ 259/ per day	prorata	1891	0	1891
3	Misc.and unforseen expenditure including (repairing of fencing /	prorata	798	289	1087
3	structures pruning ,running of vechile etc.	prorata	758	283	1007
	Total Year 5		2688	362	3050
4	Cost escalation in labour amount due to increase in labour rate @25%		. 672	0	672
5	Administrative charges 10%				305
	GRAND TOTAL				4027
	SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)				
1	Collection of datas regarding impact assesment and strengthening Joint Forest Management.	Prorata	0	73	73
2	Watch and ward for 12 months @ 259/ per day	prorata	1891	0	1891
3	Misc.and unforseen expenditure including (repairing of fencing / structures pruning/running of vechile etc.	prorata	798	289	1087
	TOTAL YEAR 6-12.		2689	362	3050
4	Cost escalation in labour amount due to increase in labour rate @30%		807	0	807
5	Administrative charges 10%				
	7.441111134134174 6.141.863 2070				305
	00.000		Tot	al	4162
	GRAND TOTAL				
	0 Year	45866			
	First Year	92092			
	Second Year	34932			
	Third Year	12788			
	Fourth Year	3893			
	Fifth Year	4027			
	Sixth year	4162			
	Seventh year	4162			
	Eighth year	4162		-	
_	Ninth Year	4162		B	
	Tenth Year	4162	/ <del>-</del>	de la	(15 m)
	Eleventh Year	4162	C	पञ्चन य	144)
	Page 13 of 14		मुख्य र	न सर्भक	आयोजन

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मुख्य का संस्थिक (आयोजना) संजस्थान जवपुर

	Toucht	
`	Twelth Year	4162
1	TOTAL	222731
L	Say	223000

#### Note:

- 1. Plants taken 1000, area has to be increased accordingly as per directions of MoEF & CC Gol New Delhi.
- 2. The cost of DFL varies from 219000/- to 228000/- due to fencing cost. DCF/CCF may ensure the fencing with respect to protection measures.
- 3. If the total 1000 plants has not to be planted in proposed site, then area may be increase proportionally.
- 4. Models are indicative any deviation can be approved by competent authority as per site specific condition

(संड्राम यादव)

ज्याजन सरवाक (जानाजन राजस्थाम, संभवर

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## MODEL COST ESTIMATE FOR COMPENSATORY AFFORESTATION

ON DEGRADED FOREST LAND

UNIT:

05 Ha

PERIMETER:

180 M/Ha. Rs. 259/Day

LABOUR RATE: COST ESTIMATE:

in Rs./Ha.

### 0 YEAR (ADVANCE ACTION)

S.No.	ITÈM OF WORK	RATE (Rs.)	LABOUR	MATERIAL	TOTAL
1	Collection of Basic Datas for Microplanning and carrying out joint forest managment activities.	1309.88/ ha.	1209	101	1310
2	Survey of area, layout of contour trenches, burrow pits and making of segments / plots	771.26 / ha.	694	77	771
3	Fencing by Barwad wire, stone wall and or by ditch.				
	a.) Loose Stone wall fencing 1.20 m high 0.80 m at base & 0.60 at top (on an average 60 m/ha.)	371.95 / rmt	22317	0	22317
	b.) Ditch fencing 1.20m deep,1.50m wide at top & 0.90m at bottom (on an average 60m/ha.)/Barwad wire fencing	280.69 / rmt	16842	σ	16842
	c)Fencing of the plantation area with 2.1 meter high prestressed Cement Concrete Post and 5 stand barbed wire (Details given at annexure "A" for PCC post and annexure B for fencing details) (60m/ha.)	200.0/rmt	2400.00	9600	12000
4	Layout of staggered /contineous contour trenches, v-ditch, contour dykes and pits etc. by contour survey in the area	81.47/ha	81	0	81
3	Digging up 200 rmt Staggered Contour Trenches 45x45cm cross section on middle slopes and V-ditch as per site requirement	32.38 / rmt	6476	0	6476
6	Digging of 400 pits size: 0.45x(0.4+0.5/2)2 cum	20.27 / pit	8108	0	8108
7	Cost of collection and purchase of grass and other seeds of trees and shrubs ( 3 kg grass seed and 3 kg tree species seed)	Prorata	0	250	250
8	In situ Soil and moisture Conservation works including check dams, percolation tank, earthen bund etc.	Prorata	4965.17	0	4965
9	Construction of Thatched cattle guard hut/shade	Prorata	390.00	210	600
10	Construction of water storage tank.	Prorata	81	48	130
11	Labour aminities	Prorata	95		
12	Watch and ward for 4 months @ 259 per day	Prorata	6302		
13	Construction of the pillars of appropiate size for gate.	Prorata	83		
14	Construction of approach road / inspection path	Prorata	440	0	440

