

**OFFICE OF THE DEPUTY CONSERVATOR OF FOREST(WILDLIFE)**  
**NATIONAL CHAMBAL GHARIAL SANCTUARY, DHOLPUR**

**Full Title of the Project:** Kaliteer Lift Scheme, Dholpur in the State of Rajasthan.

**File No.:** FP/RJ/WATER/153642/2022

**Forest Land Proposed for Diversion:** 9.5611 ha.

**Date of Proposal:** 22/03/2022

**CHECK LIST SERIAL NUMBER: 18**

**"CA SCHEME FOR NFL"**

Detail scheme (On NFL) for Compensatory Afforestation to be carried out in lieu of 9.5611 Ha. of forest, area to be diverted for Kaliteer Lift Scheme, Dholpur in the State of Rajasthan.

**1. Details of degraded forest land/non-forest land :-**

District Dholpur Village Jheeri Tehsil: Sarmathura Name of Forest Division - **DCF National Chambal Sanctuary, Dholpur,** Range Sarmathura Block/Compartment/Survey No. 2058/2053 Area to be afforested 14.8859 Hectare.

**2. Description of Area**

I) Whether the site selected for Compensatory Afforestation is a Land bank or not: No

II) If the CA site is other than the land bank, reasons be given: Non Forest land has been proposed in revenue village-Jheeri, Tehsil-Sarmathura, District-Dholpur as land bank is not available.

III) In case of non forest area identified for CA, then what is the Distance of CA site from the adjoining forest boundary: Nil

IV) Soil type: Clay Loam

V) Topography:


(a) Hilly/Undulating/Plain: Hilly

(b) Slope: Steep/Medium/Gentle: Gentle Slope

VI) Whether the area is bearing any root stock of vegetation: No

**3. Plantation Model: -**

Copy of the approved Compensatory Afforestation Scheme/Model showing component wise physical and financial break up to be enclosed

  
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4. **Schedule of Plantation Programme: -**

Detail of year wise break up of requirements of funds as per approved Model.:

Year		Rate (Per Ha.)
1.	0 year	69532
2.	First year	116753
3.	Second year	52942
4.	Third year	24795
5.	Forth year	24795
6.	Fifth year	24795
7.	Sixth year	11569
8.	Seventh year	11569
9.	Eighth year	11569
10.	Ninth year	11569
11.	Tenth year	11569
12.	Eleventh year	11569
13.	Twelfth year	11569
14.	<b>Total</b>	<b>394595</b>
15.	<b>Say</b>	<b>395000</b>

**Total CA Amount Will be = 14.8859 x 395000 = 5879930/- (fifty eight Lakhs, seventy nine Thousand, nine Hundred, thirty Rupees Only)**

5. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: CA Scheme is prepared for Non Forest Land (NFL).
- Spacing: 3X3 Meter
- Species: Acacia Nilotica, Acacia Tortilis, Azadirachta india, Pongamia pinnata etc.
- Plantation Method: Manual
- Soil and Moisture Conservation Works: - No
- Protection (Fencing, Watch man, People's Participation etc.): - Fencing & Watch man
- Proposed Monitoring Mechanism: - One Guard will be deputed for Supervision
- Any other information: - Nil

**Place:** Dholpur

**Date:** 31/07/2024

(Signature)

Name: **Nahar Singh Sinsawat**

Designation: **Dy. Conservator of Forest**

**धोलपुर**



# Deputy Conservator of Forest, WL NCS Dholpur

## (Rajasthan)

Full Title of the Project: KALITEER LIFT SCHEME,DHOLPUR(RAJASTHAN)

Proposal No. : FP/RJ/WATER/153642/2022

Forest Land Proposed for Diversion: 9.5611 ha.

Date of Proposal: 24/05/2022

### MODEL COST ESTIMATES FOR COMPENSATORY AFFORESTATION ON ALLOTTED NON FOREST LAND

UNIT 50 Ha  
PERIMETER 90M/Ha  
LABOUR RATE Rs. 259/Day  
COST ESTIMATE in Rs. /Ha

#### ADVANCE ACTION (0 YEAR)

S. No.	ITEMS	RATE (Rs.)	LABOUR COMPONENT	MATERIAL COMPONENT	TOTAL
1.	Collection of Basis for Micro planning and carrying out joint forest management activities.	1309.88/ha	1208.66	101.22	1310
2.	Survey of area, lay out of contour trenches, burrow pits and making of segments/plots.	771.26/ha	694.14	77.12	771
3.	Fencing by stone wall and or by ditch.		0.00	0.00	
a.	Construction of pucca wall 1.20m height 0.50 m base 0.38 m top	3059/rmt	0	0	0
b.	Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom ( on an average 30m/ha.)	245.16/rmt	29664.36	0.00	29664
4.	Layout of staggered/continuous contour trenches,v ditches,contour dyckes and pits etc	81.47/p er	81.47	0	81
5.	Digging of 500 pits size: 0.45X(.4+.5/2)2	20.27/pit	10135	0.00	10135
6.	Digging up 400 rmt staggered contour trenches dykes of 45X45	32.38 rmt	12952	0.00	12952

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	cm cross section on middle slopes and V ditch as per site requirement				
7.	In situ soil and moisture conservation works including check dams ,percolation tank ,earthen bunds etc	Parorata	4965.17	0.00	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	285.75	0	286
10.	Watch and ward @ 259 per day for 4 months	Prorata	1263.92	0	1264
11.	Construction of Thatched cattle guard hut	Prorata	390	210	600
12.	Cost of grass and other seeds( 3 kg grass seeds and 3 kg tree seeds)	Prorata	0.00	250	250
13.	Labour amenities	Prorata	94.85	85.6	180
14.	Purchase or construction of water storage tank	Prorata	81.47	48.15	130
15.	Purchase of signboards and their fixing	Prorata	32.83	92.02	125
16.	Misc. and unforeseen expenses including running of vehicle	Prorata	154.43	162.64	317
	<b>TOTAL YEAR 0</b>		<b>62086.74</b>	<b>1124.12</b>	<b>63211</b>
17.	Administrative charges 10%				6321
	<b>TOTAL</b>				<b>69532</b>


#### YEAR 1 (PLANTING YEAR)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73
2.	Digging of 143 pits of size 0.45(4+5/2)*2 cum	20.27/pit	2898.61	0.00	2898.61
3.	Purchase/Maintenance of 1100 seeding of 3 to 5 feet height	40/plants	0	44000	44000
4.	Restoration of natural regenerations by making crescent shaped mounds on the lower slopes of seeding and sapling and making ring trenches around the natural trees/ shrubs	Parorata	1295	0	1295

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5.	Sowing of pellets 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 shrub species on the mounds of staggered/ continuous contour trenches "V" ditch and ditch fencing including pretreatment of seeds (370rmt)	0.58 rmt	232	0	232
7.	Sowing of seeds of shrub spp. on 60 mt. "V" ditch.	Prorata	42.56	3.21	46
8.	Transportation of 707 plant from nursery to planting site.	3.65/ plant	2580.55	616.53	3197.08
9.	Planting of 643 seeding including Refilling of pits	7.75/ plant	4983.25	0	4983.25
10	Making of 643 crescent shaped mounds below planted sapling after planting and dibbing 2 or 3 seeds of shrub species on the mound	7.20/plant	4629.60	0	4629.60
11	watering with insecticides in 643 plants 3 times (total 1929 plants ) min 15 ltr water	8.0/ plant	15432	0	15432
12	Weeding and hoeing of 643 plants in 2 times ( 1286 total plants)	4.65/ plant	5979.90	0.00	5979.90
13	hoeing of 643 plants in 3 times	2.32/ plant	4475.28	0.00	4475.28
14	Wedding and hoeing on staggered / continuous contour trenches and 'V' ditch including singling/ spacing in the line sowing	4.56/rmt	1824	0.00	1824
15	purchase of insecticide and fertilizers and groth hormone for 1000 plants	4.92/plant	3978.60	941.60	4920
16	Watch and ward @ 259 per month for 12 months	Prorata	7877.92	0.00	7878
17	Special protection of frost tender species	Prorata	42.56	36.38	79
18	Labour aminities	Prorata	200.63	23.54	224
19	Miscellaneous and unforeseen expenditure	Prorata	160.51	117.7	278
	<b>TOTAL YEAR 1</b>		<b>57644.65</b>	<b>45873.78</b>	<b>103518.70</b>

  
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20	Cost escalation charges in labour due to increase in wage rate @ 5%		2882.23	0	2882.23
21	Administrative charges 10%				10351.87
	<b>TOTAL</b>				<b>116752.80</b>

#### First Year Maintenance (Year 2)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73
2.	Maintenance 110 seeding in nursery for casualty replacement size 3 to 5 feet	40/plant	0	4400	4400
3.	Casualty replacement 65 plants including of pits transportation planting, watering	13.42/plant	872.30	47.10	919.40
4.	Sowing /dibbing of seeds of shrub species on the mounds of staggered / continuous contour trenches 'V' ditch and ditch fencing including pretreatment of seeds (400 m.)	0.61/ rmt	232	0	232
5.	Watring with incetocides to the plants 3 times for 643 plants total 1929 plants min 15 lts water	8.0/plants	15432	0	15432
6.	Weeding and hoeing in 643 plant in pits two times total 1286 plants	4.65/plant	5779.90	0	5779.90
7.	Hoeing of the plants after watring of 643 plants in 3 times	2.32/plants	8796.24	0	8796.24
8.	Wedding and hoeing on staggered/ continuous contour trenches and 'V' ditch including singling /spacing in the line sowing. (400 rmt)	4.56/plant	1824	0	1824
9.	Repair of fencing	Prorata	237.11	9.63	247
10.	Repairing of check dams/WHS	Prorata	165.37	11.77	177
11.	Pruning of trees species of boost up the growth	Prorata	251.70	12.84	265
12.	Wages of Chowkidar @ 259/ month ( only applicable to work chage employee)	Prorata	7877.92	0	7878
13.	Misc. and unforeseen expenditure	Prorata	147.13	67.41	215
	<b>TOTAL YEAR 2</b>		<b>41615.67</b>	<b>4622</b>	<b>46237.67</b>

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
14.	Cost escalation charges in labour dur to increase in wage rate @ 5%		2080.78	0	2080.78
15.	Administrative charges 10%				4623.76
	<b>TOTAL</b>				<b>52942.21</b>

### Second year maintenance (year 3)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73
2.	Watering with inceticides to the plants 2 times for 643 plants total 1286 plants min 15 lts water	8.0/plants	10288	0	10288
3.	Hoeing of the plants before watering of 643 plants in 2times	2.32/plants	2983.52	0	2983.52
4.	Pruning of trees species of boost up the growth	Prorata	125.24	4.28	130
5.	Wages of Chowkidar @ 259/ month ( only applicable to work chage employee)	Prorata	7877.92	0	7878
6.	Misc. and unforeseen expenditure	Prorata	147.13	67.41	215
	<b>TOTAL YEAR 3</b>		<b>21421.81</b>	<b>144.45</b>	<b>21567.52</b>
7.	Cost escalation charges in labour dur to increase in wage rate @ 5%		1071.09	0	1071.09
8.	Administrative charges 10%				2156.75
	<b>TOTAL</b>				<b>24795.36</b>

### Third year maintenance (year 4)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73
2.	Watering with inceticides to the plants 2 times for 643 plants total 1286 plants min 15 lts water	8.0/plants	10288	0	10288
3.	Hoeing of the plants before watering of 643 plants in 2times	2.32/plants	2983.52	0	2983.52
4.	Pruning of trees species of boost up the growth	Prorata	125.24	4.28	130

  
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5.	Wages of Chowkidar @ 259/ month ( only applicable to work chage employee)	Prorata	7877.92	0	7878
6.	Misc. and unforeseen expenditure	Prorata	147.13	67.41	215
	<b>TOTAL YEAR 3</b>		<b>21421.81</b>	<b>144.45</b>	<b>21567.52</b>
7.	Cost escalation chargesin labourdur to increase in wage rate @ 5%		1071.09	0	1071.09
8.	Administrative charges 10%				2156.75
	<b>TOTAL</b>				<b>24795.36</b>

#### Fourth year maintenance (year 5)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73
2.	Watering with inceticides to the plants 2 times for 643 plants total 1286 plants min 15 lts water	8.0/plants	10288	0	10288
3.	Hoeing of the plants before watering of 643 plants in 2times	2.32/plants	2983.52	0	2983.52
4.	Pruning of trees species of boost up the growth	Prorata	125.24	4.28	130
5.	Wages of Chowkidar @ 259/ month ( only applicable to work chage employee)	Prorata	7877.92	0	7878
6.	Misc. and unforeseen expenditure	Prorata	147.13	67.41	215
	<b>TOTAL YEAR 3</b>		<b>21421.81</b>	<b>144.45</b>	<b>21567.52</b>
7.	Cost escalation chargesin labourdur to increase in wage rate @ 5%		1071.09	0	1071.09
8.	Administrative charges 10%				2156.75
	<b>TOTAL</b>				<b>24795.36</b>

#### SUBSEQUENT MAINTENANCE (YEAR 6 TO 12)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73
2.	Pruning of trees species of boost up the growth	Prorata	125.24	4.28	130

  
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3.	Wages of Chowkidar @ 259/ month ( only applicable to work chage employee)	Prorata	7877.92	0	7878
4.	Misc. and unforeseen expenditure	Prorata	147.13	67.41	215
	TOTAL YEAR 3		8150.29	144	8295
5.	Cost escalation charges in labour dur to increase in wage rate @ 5%		2445.09	0	2445
6.	Administrative charges 10%				829
	TOTAL				11569
	<b>Grand total</b>				
16.	0 year				69532
17.	First year				116753
18.	Second year				52942
19.	Third year				24795
20.	Forth year				24795
21.	Fifth year				24795
22.	Sixth year				11569
23.	Seventh year				11569
24.	Eighth year				11569
25.	Ninth year				11569
26.	Tenth year				11569
27.	Eleventh year				11569
28.	Twelfth year				11569
29.	Total				394595
30.	Say				395000

**Total CA Amount Will be = 14.8859 x 395000 = 5879930/- (fifty eight Lakhs, seventy nine Thousand, nine Hundred, thirty Rupees Only**

**Place:** Dholpur

**Date:** 31/07/2024

(Signature)

Name: Nahar Singh Sinsinwar

उप वन संरक्षक (वन्यजीव)

Designation: Dy. Conservator of Forest

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Official Seal.....