

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


Details of amounts of NPV to be Deposited

As per the order dated 06.01.2022 MoEF, government of India Rates for NPV for Eco Class III (open forests) is rs 957780 /- per Hectare ,Hence total amount of NPV for **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 will be –

957780 x 9.5611 x 5 = 45787151.79 say rs 4,57,87,152 /- (four crore fifty seven lakhs eighty seven thousand one hundred fifty two rupees only)

Place: Dholpur

Date: 21.06.2024


Name (महेश सिंह सिंहर)
उप वन संरक्षक (वजी)
Designation DCF NCS Dholpur
रा० च० घ० अ०, धोलपुर

कार्यालय उप वन संरक्षक (वन्यजीव) राष्ट्रीय चम्बल घड़ियाल अभयारण्य, धौलपुर।

SITE INSPECTION REPORT NOT BELOW THE RANK OF DCF
(For the Wild Life Clearance Proposal)

Single Window No. : FP/RJ/WATER/153642/2022

Proposal No. : FP/RJ/WATE/153642/2022
Date of Proposal : 24.05.2022
WLS Applied Area : 9.5611 Ha.

उपरोक्त संदर्भित प्रोजेक्ट के संबंध में दिनांक 02.06.2024 को परियोजना पदाधिकारियों एवं संबंधित क्षेत्रीय वन अधिकारी के साथ मौका निरीक्षण किया गया है। उक्त परियोजना प्रस्तुत आवेदन पत्र एवं रिकॉर्ड अनुसार राष्ट्रीय चंबल घड़ियाल अभयारण्य में कालीतीर ग्राम से शुरू होकर गोपालपुरा ग्राम वनखंड मदनपुर तक है। राष्ट्रीय घड़ियाल अभयारण्य के एक कि०मी० क्षेत्र के अलावा परियोजना का क्षेत्र वनखंड मदनपुर में है जो धौलपुर-करौली टाईगर रिजर्व के CORE-I में आता है। यूजर एजेंसी द्वारा वन एवं वनस्पति को न्यूनतम डिस्टर्ब करने एवं वन एवं वनस्पति का संरक्षण करने का अंडरटेकिंग दिया है। यूजर एजेंसी द्वारा एनिमल पैसेज प्लान बाबत भी अंडरटेकिंग दिया गया है। चूंकि पाइपलाइन अंडरग्राउंड है अतः यूजर एजेंसी का एनिमल पैसेज प्लान बाबत अंडरटेकिंग पर्याप्त है। यूजर एजेंसी द्वारा बरसाती सीजन में कार्य नहीं किया जावे एवं प्रस्तावित क्षेत्र के अलावा किसी भी प्रकार की वनस्पति को डिस्टर्ब नहीं किया जावे। चूंकि उक्त परियोजना से पानी रामसागर एवं पार्वती डैम में नेचुरल ड्रेनेज से जाना है जो वन्यजीवों के हित में है। अतः इस परियोजना का कार्य जनहित में होने से अधोहस्ताक्षरी सहमत हैं।

भवदीय,



(नाहर सिंह सिनसिनवार)
उप वन संरक्षक (वन्यजीव),
राष्ट्रीय चम्बल घड़ियाल अभयारण्य,
धौलपुर

KALITEER LIFT SCHEME DHOLPUR WRD

PROPOSAL NO PP/R/WATER/153642/2022

RANGE SARMAHURA

DATE START-27/09/2022 DATE FINISH-01/10/2022

2 TEAMS MEMBERS: 6 MEMBERS EACH

Forest Chainage (Mtr.)	Enter	728	1305	1619	2733	3095	4730	8766	9514	TOTAL
Exit	712	1169	1550	2649	2837	3168	8513	9294	9757	
Length in mtr.	108	441	245	1030	104	73	3783	528	243	
Area in hec.	0.1824	0.892	0.4905	2.063	0.191	0.1469	9.383	1.05	0.4871	14.2859

TREE COUNTING EXIRE REPORT

SN	SPP/DIA CLASS	Dia in Centimeter										TOTAL
		0-20	21-40	41-60	61-80	81-100	100-120 <	Av. Height (mt.)				
1	NEEM	6	1.20	2	1.85	2	2.50	1	4.00	1	5.00	13
2	DHONK	4629	0.80	2528	1.40	2604	2.00	1442	3.00	698	4.00	11901
3	HINGOT	4	0.80									4
4	PAPDI	80	1.20	10	1.60	9	2.00			1	4.00	100
5	GOYA KHER	4730	1.00	66	1.50		2.00			2	4.00	4798
6	KUMATTA	2733	1.00	284	1.50	1	2.00					3018
7	RONJH	6	0.80									6
8	DESI BABOOL	737	1.20	330	1.85	1	2.50			1	5.00	1069
9	GURJAN	66	1.00	13	1.50	21	2.00			5	5.00	105
10	SEMAL	12	1.00									12
11	GUGAL	32	0.80	1	0.80					1	4.00	1094
12	KHAIR	745	0.80	261	1.40	34	2.00	53	3.00			33
13	CAMENI	109	0.60	239	0.60							348
14	TAMAIIYA	6	0.60									6
15	BARANA	2	1.20									2
16	PLU	2	1.20									2
17	SAHAMANA	2	1.40	1	2.00							1068
18	GHATBER/BER	866	1.00	172	1.50	30	2.00					23582
	TOTAL	14767		3907		2702		1496		709		1

[Signature]
Junior Engineer
WRD, Dholpur

[Signature]
Junior Engineer
WRD, Dholpur

[Signature]
Ranger
Forest Department
Dholpur

[Signature]
Supervisor
WAPCOS Limited

[Signature]
Junior Level Expert
WAPCOS Limited

[Signature]
Senior Level Expert
WAPCOS Limited

[Signature]
Assistant Engineer
WRD, Dholpur

Sr. No.	Species	Botanical name	No of trees	Av. Ht.	V = NO. of tree * G * G * H / 16	No of trees	Av. Ht.	V = NO. of tree * G * G * H / 16	No of trees	Av. Ht.	V = NO. of tree * G * G * H / 16	No of trees	Av. Ht.	V = NO. of tree * G * G * H / 16	No of trees	Ht.	tree * H / 16
1	Neem	Indica	7	1.2	0.0118125	3	2.5	0.094922	2	4	0.28125	1	5	0.344531	1	4	82.13625
2	Dhank	Anogeissus pendula	5893	0.8	6.629625	3868	2	97.90875	1842	3	194.2734375	298	4	0	0	0	0
3	Hingot	Ferula assa-foetida	4	0.8	0.0045	0	0	0	0	0	0	0	0	0	0	0	0
4	Pappi	Holoptelea integrifolia	85	1.2	0.1434375	14	2	0.354375	1	3	0.10546875	0	0	0	0	0	0
5	Goya khair	Dichrostachys cinerea	4763	1	6.69796875	33	2	0.835313	1	3	0.10546875	1	4	0.275625	1	4	0.275625
6	Kumtha	Acacia Senegal	2875	1	4.04296875	141	2	3.569063	0	0	0	0	0	0	0	0	0
7	Ronjh	Acacia leucophloea	6	0.8	0.00675	0	0	0	0	0	0	0	0	0	0	0	0
8	Desi Babool	Acacia nilotica	902	1.2	1.522125	166	2.5	5.252344	1	4	0.140625	0	0	0	0	0	0
9	Gurjan	Dipterocarpeus turbinatus	73	1	0.10265625	27	2	0.683438	3	3	0.31640625	2	5	0.689063	2	5	0.689063
10	Semel	Bombax ceiba	12	1	0.016875	0	0	0	0	0	0	0	0	0	0	0	0
11	Gugal	Commiphora wightii	33	0.8	0.037125	0	0	0	0	0	0	0	0	0	0	0	0
12	Khair	Acacia catechu	876	0.8	0.9855	164	2	4.15125	53	3	5.58984375	1	4	0.275625	1	4	0.275625
13	Kamenl	Murraya paniculata	259	0.6	0.21853125	89	2	2.252813	0	0	0	0	0	0	0	0	0

14	Tamalya	Cinnamomum tamala	6	0.6	0.0050625	0	0	0	0	0	0	0
15	Barana	Vachellia nilotica	2	1.2	0.003375	0	0	0	0	0	0	0
16	Pilu	Salvadora persica	2	1.2	0.003375	0	0	0	0	0	0	0
17	Sahajana	Moringa oleifera	3	1.4	0.00590625	0	0	0	0	0	0	0
18	Ghatber/Ber	Ziziphus xylopyrus	966	1	1.3584375	102	2	2.581875	0	0	0	0
					21.79603125			117.6841				20031

Prosopis juliflora

P. Juliflora	bushes	4100	Av. Wt. 5kg = 20500 kg	@	2.50 per kg	51250
	Volume	21.79		@	300	230756
		117.68		@	400	1661642
		200.81		@	500	3544297
		83.72		@	800	2364253
					total Cost	7852197

In Words: **Seventy eight Lakhs Fifty two thousand one hundred ninety seven only.**


 DCF
 dholpur

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: 14.8859 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 dykes and pits etc	81.47/pe	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

	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	Prorata	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
	TOTAL YEAR 0		62086.74	1124.12	63211
17.	Administrative charges 10%				6321
	TOTAL				69532

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 500 pits of size 0.45(4+5/2)*2 cum	20.27/pit	10135	0.00	10135
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	Prorata	1295	0	1295

↓

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 1100 plant from nursery to planting site.	3.65/ plant	3398.11	616.53	4015
9.	Planting of 1000 seeding including Refilling of pits	7.75/ plant	7750	0	7750
10	Making of 1000 crescent shaped mounds below planted sapling after planting and dibbing 2 or 3 seeds of shrub species on the mound	7.20/plant	7200	0	7200
11	watering with insecticides in 1000 plants 3 times (total 3000 plants) min 15 ltr water	8.0/ plant	24000	0	24000
12	Weeding and hoeing of 1000 plants in 2 times (2000 total plants)	4.65/ plant	9300	0.00	9300
13	hoeing of 1000 plants in 3 times	2.32/ plant	6960	0.00	6960
14	Wedding and hoeing on staggered / continuous contour trenches and 'V' ditch including singling/ spacemnt in the line sowing	4.56/rmt	1824	0.00	1824
15	purchase of insecticide and fertilizers and groth harmone 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
	TOTAL YEAR 1		85408.57	45873.78	131282

↓

20	Cost escalation charges in labour due to increase in wage rate @ 5%		4270.43	0	4270
21	Administrative charges 10%				13128
	TOTAL				148681

First Year Maintenance (Year 2)

1.	Collection of data 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 100 plants including pits transportation planting, watering	13.42/plant	1295	47.10	1342
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.	Watering with insecticides to the plants 3 times for 1000 plants total 3000 plants min 15 lts water	8.0/plants	24000	0	24000
6.	Weeding and hoeing in 1000 plant in pits two times total 2000 plants	4.65/plant	9300	0	9300
7.	Hoeing of the plants after watering of 1000 plants in 3 times	2.32/plants	6960	0	6960
8.	Weeding 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
	TOTAL YEAR 2		5229.02	4622	56912

↓

14.	Cost escalation charges in labour dur to increase in wage rate @ 5%		5229.02	0	5229
15.	Administrative charges 10%				5691
	TOTAL				67832

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 1000 plants total 2000 plants min 15 lts water	8.0/plants	16000	0	16000
3.	Hoeing of the plants before watering of 1000 plants in 2times	2.32/plants	4640	0	4640
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
	TOTAL YEAR 3		28790.29	144.45	28935
7.	Cost escalation charges in labour dur to increase in wage rate @ 5%		4318.5435	0	4319
8.	Administrative charges 10%				2893
	TOTAL				36147

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 1000 plants total 2000 plants min 15 lts water	8.0/plants	16000	0	16000
3.	Hoeing of the plants before watering of 1000 plants in 2times	2.32/plants	4640	0	4640
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
	TOTAL YEAR 3		28790.29	144.45	28935
7.	Cost escalation charges in labourdur to increase in wage rate @ 5%		5758.058	0	5758
8.	Administrative charges 10%				2893
	TOTAL				37586

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 1000 plants total 2000 plants min 15 lts water	8.0/plants	16000	0	16000
3.	Hoeing of the plants before watering of 1000 plants in 2times	2.32/plants	4640	0	4640
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
	TOTAL YEAR 3		28790.29	144.45	28935
7.	Cost escalation charges in labourdur to increase in wage rate @ 5%		7197.5725	0	7198
8.	Administrative charges 10%				2893
	TOTAL				39026

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

↓

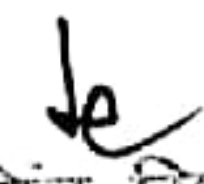
3.	Wages of Chowkidar @ 259/ month (only applicable to work chage employee)	Prorata	7877.92	0	7878
4.	Misc. and unforeseen expenditure	Prorata	147.13	67.41	215
	TOTAL YEAR 3		8150.29	144	8295
5.	Cost escalation charges in labourdur to increase in wage rate @ 5%		2445.09	0	2445
6.	Administrative charges 10%				829
	TOTAL				11569

	Grand total	
1.	0 year	69532
2.	First year	148681
3.	Second year	67832
4.	Third year	36147
5.	Forth year	37586
6.	Fifth year	39026
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.	Twelth year	11569
14.	Total	479787
15.	Say	480000

Total CA Amount Will be = 14.8859 x 480000 = 7145232/- (seventy one Lakhs, fourty one Thousand, two Hundred, thirty one Rupees Only

Place: Dholpur

Date: 21.06.2024

↓

(नाहरसिंह सिंसिनवार)
 Name Nahar Singh Sinsinwar
 उप वन सहायक (पंजी)
 Designation DCF, NCS, Dholpur