

**COMPENSATORY AFFORESTATION SCHEME (For 7.70 HA AREA) IN LIEU OF
DIVERTED PROTECTED FOREST LAND (7.70 HA) FOR THE WIDENING OF ROAD
FROM KHANVEL CHOWK TO KHERDI BORDER.**

UNDER FOREST CONSERVATION ACT, 1980.



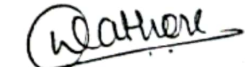
CA Area	7.70 Ha
Forest Type	Coastal & Mangrove Forest
Range	Diu
Division	Daman & Diu
District	Diu

Abstract

Place: - Fudam, Diu.

Area: - 7.70 Ha.

Sr. No.	Particulars of Items	Amount(₹)
01	Nursery Cost (Raising & Maintenance)	49,55,545.39
02	Formation Cost for plantation & Purchase of DG Set along with other accessories.	75,35,186.50
03	Maintenance of plantation for 10 years	1,77,06,820.67
	Total(₹)	3,01,97,552.56
	Or Say	3,01,97,553.00


DCF (D&D)

1. ESTIMATE FOR RAISING OF NURSERY (FOR CA)

(A) Materials & Supplies :-

Sr.No.	Particulars	Unit	Qty	Rate(₹)	Amount(₹)
1	Providing of Good Quality Earth	Cu. Mtr.	67	1,250.00	83,750.00
2	Procurement of Seeds	Lump sum	-	-	4,00,000.00
3	Procurement of Polybags	Kg.	320	170.00	54,400.00
4	Transportation Charges	Lump sum	-	-	1,00,000.00
5	Total Cost for Creation of Plantation (₹)				6,38,150.00
6	Cost for first year maintenance (₹)				3,19,075.00
7	Cost for second year maintenance (₹)				3,19,075.00
8	Cost for third year maintenance (₹)				1,59,537.50
9	Cost for fourth year maintenance (₹)				1,59,537.50
	Total(₹)				15,95,375.00

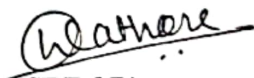
(B). Infrastructures :-

Sr.No.	Particular	Unit	Amount(₹)
1	Making of Poly House	Lump sum	6,00,000.00
2	Making of Eco Hut	Lump sum	3,00,000.00
3	Erection of Chain-link fencing	Lump sum	9,00,000.00
	Total(₹)		18,00,000.00

Contd...

(C) Works :-

Sr.No.	Particular	MANDAYS	Rate(₹)	Amount(₹)
1	Mixing of Soil, Manure etc.	74	485.10	35,897.40
2	Filling of the polythene bags	260	485.10	1,26,126.00
3	Preparation of beds with wooden materials shifting and arrangement of polythene bags.	81	485.10	39,293.10
4	Flooding with saline water, shifting of polybags and weeding	500	485.10	2,42,550.00
5	Total (₹)			4,43,866.50
6	Cost for first year maintenance			2,21,933.25
7	Cost for second year maintenance			2,21,933.25
8	Cost for third year maintenance			1,10,966.63
9	Cost for fourth year maintenance			1,10,966.63
10	Total (C)			11,09,666.26
11	Grand Total(A+B+C)(₹)			45,05,041.26
12	With Contingency @ 10 % for Wage Hike(₹)			4,50,504.13
13	Grand Total (₹)			49,55,545.39
	Or say			49,55,545.00


DCF(D&D)

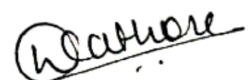
2 (A) Formation Cost for Raising Plantation

Sr. No.	Particulars	Mandays	Rate (₹)	Amount(₹)
1	Site preparation i.e. removal of Unwanted growth (1 ha.)	133	485.10	64,518.30
2	Alignment	44	485.10	21,344.40
3	Transportation of seedlings and plantation cost	100	485.10	48,510.00
4	Digging of tidal channel @ Rs. 290165.00 per Ha	-	290165.00	2,90,165.00
5	Clearing of obstruction for Tidal inundation	160	485.10	77,616.00
6	Watch & Ward	312	485.10	1,51,351.20
Total		749		6,53,504.90
7	Add 10% Contingent			65,350.49
Formation Cost for 1 ha. Plantation		749		7,18,855.39
Formation Cost for 7.70 ha.				55,35,186.50/-

2(B). Materials

Sr.No.	Particulars	Amount(₹)
1.	Purchase and Installation of Generator, Submersible pump set and fuel cost for plantation operations	20,00,000.00

Grand Total (A+B) (₹) :- 75,35,186.50
Or SAY (₹) :- 75,35,187.00


DCF(D&D)

3. Maintenance of Plantation for 10 Years (2024 to 2034):-

Sr.No.	Particulars of work	MD	Wage Rate (₹)	Amount (₹)
1	I st year Maintenance	524	485.10	2,54,192.40
2	II nd year Maintenance	393	533.61	2,09,708.73
3	III rd year Maintenance	393	586.97	2,30,679.21
4	IV th year Maintenance	262	645.66	1,69,162.92
5	V th year Maintenance	262	710.22	1,86,077.64
6	VI th year Maintenance	262	781.30	2,04,700.60
7	VII th year Maintenance	262	859.40	2,25,162.80
8	VII th year Maintenance	262	945.40	2,47,694.80
9	IX th year Maintenance	262	1040.00	2,72,480.00
10	X th year Maintenance	262	1144.00	2,99,728.00
11	Total Amount for 1 Ha. (₹)	3144		22,99,587.10
12	Maintenance Cost for 10 Year for 7.70 Ha. Plantation (₹)			1,77,06,820.67

NOTE:-Wage rate include 10% inflation per year.

(Signature)
DCF(D&D)

MODEL ESTIMATE FOR DIGGING OF TIDAL CHANNEL IN MANGROVE AREA PER HA.

Sr. No.	Particulars	Amount(₹)
a.	Digging of main channel over a length of 100 Mtrs. Dimension of the channel 10'-0" (top width) x 6'-0" (Bottom width) x 3'-6" (Depth) Volume of earth work: - $10'-0" + 6'-0" \times 3'-6" \times 328'-0" = 9184 \text{ Cft.}$	
b.	Digging of feeder channels on both side of the main channel at an interval of 8 Mtr from center to center, 17 Channels of each side Volume of earth work: - $34' \times 3'-6" + 2'-0" \times 2'-6" \times 159' = 37166 \text{ Cft}$	
c.	Total Volume of Earth (a) +(b) = 9184 Cft. + 37166 Cft = 46350 Cft. Or 1311.70 Cum. @ 210.67893	2,76,347.55
d.	Add contingency @ 5 % for digging and carrying equipment.	13,817.00
Total Estimated cost for 1 Ha. of Plantation		2,90,165.00

ANALYSIS OF RATE

1. Earth work in study soil for digging of tidal channel with initial lead and lift including dressing and leveling the bank and bed of the channel completed.

Rate for 100 Cum

Man Days 43 @ Rs. 485.10	:-	Rs. 20859.300
Cess @ 1%	:-	Rs. 208.59300
Rate for 100 Cum.	:-	Rs. 21067.893
Rate for 1 Cum.	:-	Rs. 210.67893

TYPICAL LAYOUT OF FISH BONE CHANNEL IN ONE EA. AREA

