

## **Deputy Conservator of Forest, Sirohi (Rajasthan)**

**Full Title of the Project:** Construction of Intake Well with Pump House, MCC Room, Raising Main Pipeline, Approach Road and HT Transmission Line in Area of Baisasing Dam District - Sirohi, Rajasthan.

**File No. :** FP/RJ/WATER/145797/2021

**Date of Proposal:** 13/08/2021

**CHECK LIST SERIAL NUMBER: 18**

**" CA SCHEME ON NFL"**

Detail scheme for for Compensatory Afforestation to be carried out in lieu of 3.6975 Ha. of forest area to be diverted for Construction of Intake Well with Pump House, MCC Room, Raising Main Pipeline, Approach Road and HT Transmission Line in Area of Baisasing Dam District - Sirohi, Rajasthan.

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

District Sirohi Village Dhanga Tehsil: Pindwara

Name of Forest Division DCF – Sirohi Range Pindwara

Block/Compartment/Survey No. 441/269 Area to be afforested 3.70

**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: 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: Sandy Loam and Clay Loam

V) Topography:

(a) Hilly/Undulating/Plain: Plain

(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



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

Detail of year wise break up of requirements of funds is as under:-

Year	CA Amount
0 Years (Advance Action)	199998
1st Year (Planting Year)	236273
1st Year Maintenance (Year-2)	68033
Subsequent Maintenance (Year-3)	20966
Subsequent Maintenance (Year-4)	20966
Subsequent Maintenance (Year-5)	20966
Subsequent Maintenance (Year-6)	20966
Subsequent Maintenance (Year-7)	20966
Subsequent Maintenance (Year-8)	20966
Subsequent Maintenance (Year-9)	20966
Subsequent Maintenance (Year-10)	20966
Subsequent Maintenance (Year-11)	20966
Subsequent Maintenance (Year-12)	20966
<b>Total Amount for CA on NFL</b>	<b>7,13,964/-</b> <b>(Seven Lakhs, Thirteen Thousand, Nine Hundred Sixty Four Rupees Only)</b>

5. **Technical details:-**

Technical details of Compensatory Afforestation Scheme are as follows:-

- General Details: Advance work for plantation will be done one year before plantation work.
- Spacing: 3 X 3 Meter
- Species: Karanj, Baheda, Neem, Churel, Sagwan Etc.
- Plantation Method: Deep Planting
- Soil and Moisture Conservation Works: - Contour trench, loose stone check dams.
- Protection (Fencing, Watch man, People's Participation etc.): - The area will be fenced with Ditch.
- Proposed Monitoring Mechanism: - Forest guard, Forester, Range forest officer and other higher officers will inspect and monitor the afforestation.
- Any other information: - Nil

Place: Sirohi

Date: 15/07/2022

  
(Signature)

Name .....

Designation .....

Official Seal.....

# Deputy Conservator of Forest, Sirohi(Rajasthan)

## DETAILS OF AMOUNT FOR CA

Construction of Intake Well with Pump House, MCC Room, Raising Main Pipeline,  
Approach Road and HT Transmission Line in Area of Baisasing Dam District - Sirohi,

Rajasthan

Forest Diversion Proposal - FP/RJ/WATER/145797/2021 (3.6975 ha.)

CA SCHEME (NFL)					
Labour rate 252.00 per day					
S. No.	ITEMS	RATE (Rs.)	LABOUR COMPONENT	MATERIAL COMPONENT	TOTAL
ADVANCE ACTION (0 YEAR)					
1.	Collection of Basis for Micro planning and carrying out joint forest management activities.	575/ha	588	50.29	638
2.	Survey of area, lay out of contour trenches, burrowpits and making of segments/plots.	463/ha	462.59	50.29	513
3.	Fencing by stone wall and or by ditch.		0.00	0.000	
	1. Stone wall fencing 1.20m high 0.80m at base & 0.60 at top ( on an average 30m/ha.)	225/rmt	7560	0.000	7560
	2. Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom ( on an average 30m/ha.)	245.16/rmt	8237.92	0.000	8238
4.	Cost of raising 1210 seedling in nursery.	3.93/- per	3397.86	1730.19	5128
5.	Digging of 500 pits size : 0.45X(.4+.5/2)2	17.59/pit	9855.21	0.000	9855
6.	Digging up 400 rmt staggered contour trenches dykes of 45X45 cm cross section on middle slopes and V ditch as per site requirement	28.28/rmt	12673.35	0.000	12673



7.	Contraction of 15 mt. long contour dykes of 30X30 cm. cross section on upper slopes and sowing of suitable thorny shrub species seeds along its innerside.	30.46/rmt	512.28	0.000	512
8.	Treatment of Nallas by construction series of checkdams of dry ramdom rubble/earthan/brushwood	Prorata	734.70	0.000	735
9.	Construction of the pillars of appropriate size and fixing of iron pipe gate with four square column	Prorata	80.45	97.37	178
10.	Construction of approach road and inspection path	Prorata	278.03	0.000	278
11.	Watch and ward @ 15325 per month for 4 months	Prorata	1450.48	0.000	1450
12.	Construction of Thatched cattle guard hut	Prorata	141.97	78.11	220
13.	Cost of grass and other seeds	Prorata	0.000	242.89	243
14.	Labour aminities	Prorata	92.28	85.60	178
15.	Purchase of tools and plants	Prorata	0.000	110.21	110
16.	Purchase or construction of water storage tank	Prorata	79.27	48.15	127
17.	Purchase of signboards and their fixing	Prorata	31.94	92.02	124
18.	Misc. and unforeseen expenses including running of vehicle	Prorata	150.25	162.64	313
	<b>TOTAL YEAR 0</b>		<b>46326.59</b>	<b>2747.76</b>	<b>49074</b>
19.	Administrative charges 10%				<b>4907</b>
	<b>TOTAL</b>				<b>53982</b>

#### YEAR 1 (PLANTING YEAR)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0.00	72.76	73
2.	Layout of staggered /continuous contour trenches V ditches, contour dykes and pits etc. by contour survey in 1/4 <sup>th</sup> area	71/ ha	79.27	0.000	79

3.	Digging of 600 pits of size 0.45(4+5/2)*2 cum	17.59/pit	11826.25	0.000	11826
4.	Construction of silt detention dams/ small anicut / check dams etc.	Prorata	3160.06	255.73	3416
5.	Maintenance of 1210 seeding in nursery	2.11/plants	2485.69	341.33	2827
6.	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 ( 150 plant/ha)	4.10/ plant	688.56	0.000	689
7.	Sowing of pellets of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing	Prorata	984.34	62.06	1046
8.	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)	0.59 rmt	231.89	11.77	244
9.	Sowing of seeds of shrub spp. on 60 mt. "V" ditch.	Prorata	41.41	3.21	45
10.	Transportation of 1100 plant from nursery to planting site.	1.41/ plant	1668.17	68.48	1737
11.	Planting of 1100 seeding including Refilling of pits	3.58/ plant	5049.46	0	5049
12.	Making of 1100 crescent shaped mounds below planted sapling after planting and dibbing 2 or 3 seeds of shrub species on the mound	3.16/plant	4411.77	0	4412
13.	Spot watering & application of insecticides in 1100 plants in case of advance planting	3.16/ plant	3904.23	0	3904
14.	Additional watering in case of long drought spell with insecticide	3.57/ plant	3904.23	0	3904
15.	Weeding and hoeing of 1100 plants in 2 times	2.03/ plant	8797.52	0	8798
16.	One additional hoeing of 1100	1.93/ plant	2511.72	0	2512

	plants				
17.	Wedding and hoeing on staggered / continuous contour trenches and 'V' ditch including singling/ spacement in the	Prorata	791.49	0	791
18.	purchase of insecticide and fertilizers for 1100 plants	0.82/plant	0.000	906.29	906
19.	Raising o 110 seedlings in nursery for casualty replacement in year 2 (10% of 1100)	3.93/seedling	308.79	157.29	466
20.	Watch and ward @ 15325 per month for 12 months	Prorata	4351.44	0	4351
21.	Special protection of frost tender species	Prorata	41.41	36.38	78
22.	Labour aminities	Prorata	195.21	23.54	219
23.	Repairs of fencing	193/hact	230.70	9.63	240
24.	Repairs of check dams	Prorata	84.00	5.35	89
25.	Miscellaneous and unforeseen expenditure	Prorata	156.17	117.7	274
	<b>TOTAL YEAR 1</b>		<b>55903.77</b>	<b>2071.52</b>	<b>57975</b>
26.	Administrative charges 10%				<b>5798</b>
	<b>TOTAL</b>				<b>63773</b>

#### First Year Maintenance

1.	Collection of dates regarding impact assessment and strengthening joint forest management	Prorata	0.000	72.76	73
2.	Maintenance 110 seeding in nursery for casualty replacement on 2 <sup>nd</sup> year	2.15/plant	225.97	31.03	257
3.	Casualty replacement 110 plants including of pits transportation planting, watering	11.55/plant	1345.18	69.55	1415
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 (185 m.)	0.61/ rmt	120.68	5.35	126
5.	Weeding and hoeing in 1100 plant in pits two times	3.57/plant	8797.52	0.000	8798



6.	Wedding and hoeing on staggered/ continuous contour trenches and 'V' ditch including singling /spacing in the line sowing. (185 rmt)	3.82/plant	792.68	0.000	793
7.	Repair of fencing	216/- ha	230.70	9.63	240
8.	Repairing of check dams	Prorata	160.90	11.77	173
9.	Pruning of trees species of boost up the growth	Prorata	244.90	12.84	258
10.	Wages of Chowkidar @ 15325/ month ( only applicable to work chage employee)	Prorata	4351.44	0.000	4351
11.	Misc. and unforeseen expenditure	Prorata	143.15	67.41	211
	<b>TOTAL YEAR 2</b>		<b>16413.13</b>	<b>280.34</b>	<b>16693</b>
12.	Administrative charges 10%				<b>1669</b>
	<b>TOTAL</b>				<b>18363</b>

#### SUBSEQUENT MAINTENANCE (YEAR 3 TO 12)

1.	Collection of dates regarding impact and strengthening joint Forest Management	Prorata	0	72.76	73
2.	Sowing /dibbling of seeds of shrub species on the mounds of staggered / continuous contour trenches, "V" ditch and ditch fencing including pretreatment of seeds (185 m.)	0.61/ rmt	120.68	5.35	126
3.	Repair of fencing	216/hact.	230.70	9.63	240
4.	Repairs of check dams	Prorata	8.28	6.42	15
5.	Pruning of trees species of boost up the growth	Prorata	121.86	4.28	126
6.	Wages of Chowkidar @ 15325/ month ( only applicable to work chage employee)	Prorata	4351.44	0	4351
7.	Maintenance of vehicles	Prorata	112.39	100.58	213
	<b>TOTAL YEAR 3</b>		<b>4945.35</b>	<b>199</b>	<b>5144</b>
8.	Administrative charges 10%				<b>514</b>
	<b>TOTAL</b>				<b>5659</b>

Year	Rate	Area Ha.	Required Amount
0 Years (Advance Action)	53982	3.7049	199998
1st Year (Planting Year)	63773	3.7049	236273
1st Year Maintenance (Year-2)	18363	3.7049	68033
Subsequent Maintenance (Year-3)	5659	3.7049	20966
Subsequent Maintenance (Year-4)	5659	3.7049	20966
Subsequent Maintenance (Year-5)	5659	3.7049	20966
Subsequent Maintenance (Year-6)	5659	3.7049	20966
Subsequent Maintenance (Year-7)	5659	3.7049	20966
Subsequent Maintenance (Year-8)	5659	3.7049	20966
Subsequent Maintenance (Year-9)	5659	3.7049	20966
Subsequent Maintenance (Year-10)	5659	3.7049	20966
Subsequent Maintenance (Year-11)	5659	3.7049	20966
Subsequent Maintenance (Year-12)	5659	3.7049	20966
<b>Total</b>	<b>1,92,708/-</b>	<b>3.7049</b>	<b>7,13,964/-</b>

**Place:** Sirohi

**Date:** 15/07/2022

  
(Signature)

Name ..... (शुभाजि राज) उप वन संरक्षक

Designation ..... सिरोंही

Official Seal.....