

Deputy Conservator of Forest, Banswara (Rajasthan)

Full Title of the Project: Water Supply Project for 399 Villages and 395 Dhanies of Blocks Kushalgarh and Sajjangarh, District – Banswara, Rajasthan.

File No. : FP/RJ/WATER/39353/2019

Date of Proposal: 14/03/2020

CHECK LIST SERIAL NUMBER: 18

“CA SCHEME ON NFL”

Detail scheme for for Compensatory Afforestation to be carried out in lieu of 16.4546 Ha. Of forest area to be diverted for Water Supply Project for 399 Villages and 395 Dhanies of Blocks Kushalgarh and Sajjangarh, District – Banswara, Rajasthan.

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

District Banswara Village Guwari Tehsil: Kushalgarh

Name of Forest Division DCF – Banswara Range Kushalgarh

Block/Compartment/Survey No. 181/96 Area to be afforested 16.4546..
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
Advance Action (0 Year)	601283
Year 1 (Planting Year)	416201
First Year Maintenance (Year 2)	145597
First Year Maintenance (Year 3)	79266
First Year Maintenance (Year 4)	79266
First Year Maintenance (Year 5)	79266
First Year Maintenance (Year 6)	79266
First Year Maintenance (Year 7)	79266
First Year Maintenance (Year 8)	79266
First Year Maintenance (Year 9)	79266
First Year Maintenance (Year 10)	79266
First Year Maintenance (Year 11)	79266
First Year Maintenance (Year 12)	79266
Total Amount for CA on NFL	19,55,741/- (Nineteen Lakhs, Fifty Five Thousand, Seven Hundred, Forty One Rupees Only)


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: Banswara

Date: 17/11/2020

(Signature) 
 Name **Dy. Conservator of Forest,**
Banswara
 Designation
 Official Seal.....

Deputy Conservator of Forest, Banswara(Rajasthan)

DETAILS OF AMOUNT FOR CA

Water Supply Project for 399 Villages and 395 Dhanies of Blocks Kushalgarh and Sajjangarh, District –
Banswara, Rajasthan

Forest Diversion Proposal - FP/RJ/WATER/39353/2019 (16.4546 ha.)

CA SCHEME (NFL)							
Labour rate 213.00 per day							
S. No.	ITEMS	Total Area	RATE (Rs.)	LABOUR COMPONENT /ha	MATERIAL COMPONENT /ha	TOTAL	Grand Total
ADVANCE ACTION (0 YEAR)							
1	Collection of Basis for Micro planning and carrying out joint forest management activities.	16.4546	544/ha	497	50.29	547	9000.67
2	Survey of area, lay out of contour trenches, burrowpits and making of segments/plots.	16.4546	438/ha	391	50.29	441	7256.48
3	Fencing by stone wall and or by ditch.				0		
	1. Stone wall fencing 1.20m high 0.80m at base & 0.60 at top (on an average 30m/ha.)	493.638	213/rmt	6390	0	6390	105144.89
	2. Ditch fencing 1.20m deep, 1.50m wide at top & 0.90m at bottom (on an average 30m/ha.)	493.638	232.1/rmt	6963	0	6963	114573.38
4	Cost of raising 6200 seedling in nursery.	6200	3.71/- per	2872	1730.19	4602	23002.00
5	Digging of 500 pits size : 0.45X(.4+.5/2)2	2815	16.66/pit	8330	0	8330	46897.90
6	Digging up 400 rmt staggered contour trenches dykes of 45X45 cm cross section on middle slopes and V ditch as per site requirement	6581.84	26.78rmt	10712	0	10712	176261.68
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.	246.819	28.86rmt	433	0	433	7123.20
8	Treatment of Nallas by construction series of checkdams of dry ramdom rubble/earthan/brushwood	16.4546	Prorata	621	0	621	10218.31
9	Construction of the pillars of appropriate size and fixing of iron pipe gate with four square column	16.4546	Prorata	68	97.37	165	2715.01
10	Construction of approach road and inspection path	16.4546	Prorata	235	0	235	3866.83
11	Watch and ward @ 15325 per month for 4 months	16.4546	Prorata	1226	0	1226	20173.34
12	Construction of Thatched cattle guard hut	16.4546	Prorata	120	78.11	198	3258.01

13	Cost of grass and other seeds	16.4546	Prorata	0	242.89	243	3998.47
14	Labour amenities	16.4546	Prorata	78	85.6	164	2698.55
15	Purchase of tools and plants	16.4546	Prorata	0	110.21	110	1810.01
16	Purchase or construction of water storage tank	16.4546	Prorata	67	48.15	115	1892.28
17	Purchase of signboards and their fixing	16.4546	Prorata	27	92.02	119	1958.10
18	Misc. and unforeseen expenses including running of vehicle	16.4546	Prorata	127	162.64	290	4771.83
	TOTAL YEAR 0			39157	2747.76	41905	546620.93
19	Administrative charges 10%					4190	54662.00
	TOTAL					46095	601282.93

YEAR 1 (PLANTING YEAR)

1	Collection of dates regarding impact assessment and strengthening joint forest management	16.4546	Prorata	0	72.76	73	1201.19
2	Layout of staggered /continuous contour trenches V ditches, contour dykes and pits etc. by contour survey in 1/4th area	16.4546	67 /ha	67	0	67	1102.46
3	Digging of 2815 pits of size 0.45(4+5/2)*2 cum	2815	16.66/pit	9996	0	9996	46897.90
4	Construction of silt detention dams/ small anicut / check dams etc.	16.4546	Prorata	2671	255.73	2927	48162.61
5	Maintenance of 6200 seeding in nursery	6200	2.00/plants	2101	341.33	2442	12400.00
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)	2468.19	3.88/ plant	582	0	582	9576.58
7	Sowing of pellets of grass/pieces of seed mud cakes of grass seeds between row of pits by ploughing and furrowing	16.4546	Prorata	832	62.06	894	14710.41
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 (370 rmt)	6088	0.56 rmt	196	11.77	208	3409.28
9	Sowing of seeds of shrub spp. on 60 mt. "V" ditch.	493.638	Prorata	35	3.21	38	18758.24
10	Transportation of 5630 plant from nursery to planting site.	5630	1.34/ plant	1410	68.48	1478	7544.20
11	Planting of 5630 seeding including Refilling of pits	5630	3.88/ plant	4268	0	4268	21844.40

12	Making of 5630 crescent shaped mounds below planted sapling after planting and dibbing 2 or 3 seeds of shrub species on the mound	5630	3.39/plant	3729	0	3729	19085.70
13	Spot watering & application of insecticides in 5630 plants in case of advance planting	5630	3.00/ plant	3300	0	3300	16890.00
14	Additional watering in case of long drought spell with insecticide	5630	3.00/ plant	3300	0	3300	16890.00
15	Weeding and hoeing of 5630 plants in 2 times	11260	3.38/ plant	7436	0	7436	38058.80
16	One additional hoeing of 5630 plants	5630	1.93/ plant	2123	0	2123	10865.90
17	Wedding and hoeing on staggered / continuous contour trenches and 'V' ditch including singling/ spacing in the	16.4546	Prorata	669	0	669	11008.13
18	purchase of insecticide and fertilizers for 5630 plants	5630	0.77/plant	0	906.29	906	4335.10
19	Raising o 563 seedlings in nursery for casualty replacement in year 2 (10% of 5630)	563	3.71/seedlin g	261	157.29	418	2088.73
20	Watch and ward @ 15325 per month for 12 months	16.4546	Prorata	3678	0	3678	60520.02
21	Special protection of frost tender species	16.4546	Prorata	35	36.38	71	1168.28
22	Labour aminities	16.4546	Prorata	165	23.54	189	3109.92
23	Repairs of fencing	16.4546	193/hact	195	9.63	205	3373.19
24	Repairs of check dams	16.4546	Prorata	71	5.35	76	1250.55
25	Miscellaneous and unforeseen expenditure	16.4546	Prorata	132	117.7	250	4113.65
	TOTAL YEAR 1			47252	2071.52	49324	378365.24
26.	Administrative charges 10%					4932	37836.00
	TOTAL					54256	416201.24

First Year Maintenance (Year 2)

1.	Collection of dates regarding impact assessment and strengthening joint forest management	16.4546	Prorata	0	72.76	73	1201.19
2.	Maintenance 563 seeding in nursery for casualty replacement on 2nd year	563	2.00/plant	191	31.03	222	1126.00
3.	Casualty replacement 563 plants including of pits transportation planting, watering	563	10.92/plant	1137	69.55	1207	6147.96
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
5.	Weeding and hoeing in 5630 plant in pits two times	11260	3.38/plant	7436	0	7436	38058.80

6.	Wedding and hoeing on staggered/ continuous contour trenches and 'V' ditch including singling /spacing in the line sowing. (185 rmt)	3044.1	3.62/plant	670	0	670	11019.65
7.	Repair of fencing	16.4546	204/- ha	195	9.63	205	3373.19
8.	Repairing of check dams	16.4546	Prorata	136	11.77	148	2435.28
9.	Pruning of trees species of boost up the growth	16.4546	Prorata	207	12.84	220	3620.01
10.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
11.	Misc. and unforeseen expenditure	16.4546	Prorata	121	67.41	188	3093.46
	TOTAL YEAR 2			13873	280	14153	132361.14
12.	Administrative charges 10%					1415	13236.00
	TOTAL					15569	145597.14

SUBSEQUENT MAINTENANCE (Year 3rd)

1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91
5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10
	TOTAL YEAR 3			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63

SUBSEQUENT MAINTENANCE (Year 4th)

1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91

5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10
	TOTAL YEAR 4			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63

SUBSEQUENT MAINTENANCE (Year 5th)

1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91
5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10
	TOTAL YEAR 5			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63

SUBSEQUENT MAINTENANCE (Year 6th)

1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91
5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10
	TOTAL YEAR 6			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63

SUBSEQUENT MAINTENANCE (Year 7th)							
1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91
5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10
	TOTAL YEAR 7			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63
SUBSEQUENT MAINTENANCE (Year 8th)							
1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91
5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10
	TOTAL YEAR 8			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63
SUBSEQUENT MAINTENANCE (Year 9th)							
1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58

3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91
5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10
	TOTAL YEAR 9			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63

SUBSEQUENT MAINTENANCE (Year 10th)

1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91
5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10
	TOTAL YEAR 10			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63

SUBSEQUENT MAINTENANCE (Year 11th)

1.	Collection of dates regarding impact and strengthening joint Forest Management	16.4546	Prorata	0	72.76	73	1201.19
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.)	3044.1	0.58/ rmt	102	5.35	107	1765.58
3.	Repair of fencing	16.4546	204/hact.	195	9.63	205	3373.19
4.	Repairs of check dams	16.4546	Prorata	7	6.42	13	213.91
5.	Pruning of trees species of boost up the growth	16.4546	Prorata	103	4.28	107	1760.64
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16.4546	Prorata	3678	0	3678	60520.02
7.	Maintenance of vehicles	16.4546	Prorata	95	100.58	196	3225.10

	TOTAL YEAR 11			4180	199	4379	72059.63
8.	Administrative charges 10%					438	7206.00
	TOTAL					4817	79265.63


SUBSEQUENT MAINTENANCE (Year 12th)

1.	Collection of dates regarding impact and strengthening joint Forest Management	16	Prorata	0	73	73	1201
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.)	3044	0.58/ rmt	102	5	107	1766
3.	Repair of fencing	16	204/hact.	195	10	205	3373
4.	Repairs of check dams	16	Prorata	7	6	13	214
5.	Pruning of trees species of boost up the growth	16	Prorata	103	4	107	1761
6.	Wages of Chowkidar @ 15325/ month (only applicable to work chage employee)	16	Prorata	3678	0	3678	60520
7.	Maintenance of vehicles	16	Prorata	95	101	196	3225
	TOTAL YEAR 12			4180	199	4379	72060
8.	Administrative charges 10%					438	7206
	TOTAL					4817	79266

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

Sr No.	Year	CA Amount
1	Advance Action (0 Year)	601283
2	Year 1 (Planting Year)	416201
3	First Year Maintenance (Year 2)	145597
4	First Year Maintenance (Year 3)	79266
5	First Year Maintenance (Year 4)	79266
6	First Year Maintenance (Year 5)	79266
7	First Year Maintenance (Year 6)	79266
8	First Year Maintenance (Year 7)	79266
9	First Year Maintenance (Year 8)	79266
10	First Year Maintenance (Year 9)	79266
11	First Year Maintenance (Year 10)	79266
12	First Year Maintenance (Year 11)	79266
13	First Year Maintenance (Year 12)	79266
Grand Total		19,55,741/- (Nineteen Lakhs, Fifty Five Thousand, Seven Hundred, Forty One Rupees Only)

Place: Banswara
Date: 17/11/2020


 (Hari Kishan Saraswat)
 (Signature) **Dy. Conservator of Forest,**
 Name **Banswara**
 Designation
 Official Seal.....

Deputy Conservator of Forest, Banswara (Rajasthan)

Full Title of the Project: Water Supply Project for 399 Villages and 395 Dhanies of Blocks Kushalgarh and Sajjangarh, District – Banswara, Rajasthan.

File No. : FP/RJ/WATER/39353/2019

Date of Proposal: 14/03/2020

CHECK LIST SERIAL NUMBER: 20

“LAND SUITABILITY CERTIFICATE BY DFO (T)”

This is to certify that.....**16.4546**.....ha. Non Forest land bearing Survey No./ Compartment No.....**181/96**.....of village..... **Guwari**Tehsil.....**Kushalgarh**..... District.....**Banswara**..... identified for Compensatory Afforestation is suitable for management point of view and is free and all sorts of encumbrances and encroachments.

This land is not suitable for the plantation because of sheet rocks and only **5.63 ha.** area is workable therefore only 5630 plants can be planted on this site and remaining plants will be planted on 22.00 hectare Degraded Forest Land.

Land Suitability Certificate, SOI Toposheet Map, Digital Map, KML etc. for identified Degraded Forest Land is separately enclosed.

Place: Banswara

Date: 17/11/2020


(Hari Kishan Saraswat)
Dy. Conservator of Forest,
Banswara

(Signature)

Name

Designation

Official Seal.....