

Accion Fraterna Ecology Centre (AFEC) – Anantapur

Physical achievements in Watershed Development from 2010-2021

AF Ecology centre implemented 8 watershed development projects with financial support from **NABARD** and 3 Mega watershed development projects with financial support from **Government of India under IWMP** from 2010-2021.

1. Project Details:

1	Mandals covered	:	6 Mandals: 1. Kalyanadurg, 2. Setturu, 3. Kundurpi, 4. Rapthadu, 5. Atmakur, 6. Kudair
2	Total No. of Projects	:	NABARD – 6 completed, 2 in progress, MoRD/IWMP -3 Mega Watersheds completed
3	Total No. of Micro Watersheds	:	20
5	Total No. of habitations / Villages	:	30
6	Total watershed project area treated (in Ha.)	:	50,270 Acres
07	Total project cost (Rs. In lakhs)	:	26,12,96,000/-

2. Watershed Development Interventions by AFEC:-

Sl. No	Activity	Unit	Qty	Acres	Benefitting Farmers/Community
A	SOIL MOISTURE CONSERVATION WORKS				
1	Contour Bundig	Rmt	1,20,212	9,265	1,761
2	Stone Outlet	Outlet	2,564	4,231	684
3	Stone Gully Plug	Gully plug	404	320	186
4	Rock Fill Dams	RFD	348	598	300
5	Gabion Soil Moisture Conservation	Gabion	20	35	7
6	Water Absorption Trench at Foot Hills	Rmt	10,070	125	63
7	Staggered Trench	Acres	45	-	Village Community
8	Boulder Removal	Acres	109	109	61
	Total Coverage			14683	3062

B	RAIN WATER HARVESTING STRUCTURES				
		Unit	Qty	Acres	Families
9	Check Dams	Check dam	107	4,196	1,338
10	Repair of old check dams	Check dam	46	1,340	836
11	Percolation Tanks	Tank	9	203	40
12	Recharging of dried up Bore well	Recharge Structure	2	7	2
13	Farm Ponds	Farm pond	1,559	6,616	1,559
Total			1723	12362	3775
C	AFFORESTATION				
14	Avenue Plantations	Km	40	-	Village Community
15	Block Plantation	Acres	77	77	Village Community
16	Greening of Hillocks	Acres	70	70	Village Community
17	Backyard plantation	Families	928		Village Community
18	Agave Suckers established on farm bunds	Plants	34,700	195	36 families
19	Farm forestry (Bund plantation)	Rmt	1,14,619	7,245	1,514
Total				8000	15,000 families
D	DRY LAND HORTICULTURE ESTABLISHED				
20	Dry land Horticulture Development	Acres	-	2,880	734
21	NADEP Compost Pit	Compost unit	229	-	229
Total				2,880	963 families
E	LIVE STOCK RELATED WORKS				
22	Cattle Troughs	Cattle Trough	33	-	Village Community
23	Animal Travis	No's	6	-	Village Community
24	Fodder development	Farmer	18	9	18
F	VILLAGE COMMUNITY FACILITIES				
25	Threshing Floor in community lands	Threshing Floor	10	-	Village Community
26	Construction of purified water plant	Water Plant	16	-	Village Community
27	Tent House	Tent House	4	-	Village Community
28	Solar Street lights	Street lights	45	-	Village Community
29	School Furniture set	Furniture sets	2	-	Children Community
G	NON-FARM LIVELIHOODS DEVELOPMENT FOR THE POOR				
30	Livelihood development through revolving credit fund (seed capital)	Rs.	1,95,97,200	-	3997 families per year

15,000 families

15,000 families

15,000 families

3. A. Rainfed Farmers Agroecology landscape Cooperatives

Sl.No	Village	No of Blocks	No of Farmers	No of Acres	Agroecology Rainfed Horticulture cropping system						Total
					Mang o	Jamun	Custere d Apple	Guava	Amla	Tamarind	
1	Ayyagarlapalli	1	20	83	2075	2075	2490	2490	2490	830	12,450
2	Yerraborapalli	1	18	87	2,175	2,175	2,610	2,610	2,610	870	13,050
3	Appilepalli	2	39	185	4,625	4,625	5,550	5,550	5,550	1,850	27,750
4	Thammaiah Doddi	1	32	32	800	800	960	960	960	320	4,800
	Total	5	109	387	9,675	9,675	11,610	11,610	11,610	3,870	58,050

3. B. Rainfed Farmers Agroecology Landscape Cooperatives

Abstract						
Rainfed Farmers Agroecolgy landscape Cooperatives						
S.N o	Mandal	No. of Agro Ecological Blocks implemented village	No. of Agro Ecological Blocks	Farmers	Acres	Saplings Grounded
1	Setturu	Ayyagarlapalli	1	20	83	12,450
		Yerraborepalli	1	18	87	13,050
2	Kundurp i	Appilepalli	1	19	95	16,150
			1	20	90	11,600
		Thammaiah Doddi	1	32	32	4,800
Total			5	109	387	58,050

4. Ground Water Development-

Open wells and Bore wells – Status and irrigated area

	Pre watershed					Post watershed				
Type of well	Total no's	Fully functional	Seasonally functional	Fully Defunct	Area (ha) Irrigated	Total no's	Fully functional	Seasonally functional	Fully Defunct	Area (ha) Irrigated
Open wells	74	36	10	25	82	57	41	12	4	94
Bore wells	2465	919	312	1234	3069	2916	1632	776	508	4822
Others	0	0	0	0	0	0	0	0	0	0
Total	2539	955	322	1259	3151	2973	1673	788	512	4916

Note:

- Average depth of water table in open wells – Pre Project 6.3 M – Post Project 4.0M
- Average depth of water table in bore wells – Pre Project 52 M – Post Project 20M