

PROJECT COMPLETION REPORT

PROJECT UNDER SUSTAINABLE DEVELOPMENT PLAN (SDP)

TANAKALLU MANDAL

ANANTAPURAMU DISTRICT

Name of the Watershed: EDULAVANKA

Prepared by

EDULAVANKA VILLAGE WATERSHED COMMITTEE

Supported by Jana Jagruti Project Facilitating Agency (PFA)

31.07. 2019

Submitted to

**NATIONAL BANK FOR AGRICULTURE AND RURAL DEVELOPMENT
ANDHRA PRADESH REGIONAL OFFICE - HYDERABAD**

Project Completion Report (PCR)

Title of the project: Edulavanka Sustainable Development Project

Mandal: Tanakallu, **District:** Anantapuramu.

Background of the project

The watershed Project started under WDF Project in 2010 year and completed in 2015 year. During implementation of watershed projects major focus is given for conservation of basic natural resources like soil and water.

In that major activities taken up are here under

Sl.No	Component	Amount Sanctioned	Amount released	Amount utilized	Major activities taken up
1	Area treatments	86.51	70.53	70.53	New Field Bunding, Stone outlets, Farm Bunding with stone revetment, Stone bunding, Water absorption trench, AH, DH AF plantation.
2	Drainage line treatments	20.66	16.74	16.74	Loose bolder structures, Stone gully plugs, Rock fill dams, Check dams, Check walls, supply Channels.
3	Agriculture Productivity Enhancement measures	8.03	8.03	8.03	NPM, Vermi compost, Household horticulture, Kitchen Garden, Vegetable demo, Floriculture, Tank silt application, Sustainable agriculture practices.
4	Livelihood support	11.00	11.00	11.00	Milch animal, Ram lamb raring, Back yard poultry, Sheep raring, Leaf plates making, Chaff cutter, Seed cum fertile driller.
5	Trainings	1.00	1.00	1.00	NPM, Livestock management, Sustainable agriculture practices.
	Total	127.2	107.3	107.3	

However, to address the sustainable development in the watershed projects, NABARD has come out with Sustainable Development Programme (SDP), wherein, the critical issues of technology transfer, agriculture extension, credit intensification, Integrated Pest Management (IPM), Integrated Nutrient Management (INM), etc., are being addressed in the post watershed development period through capacity building and leadership development of the watershed community. Convergence of various centrally sponsored schemes like National Food Security Mission, National Mission for Sustainable Agriculture, Mission for Integrated Development of Horticulture, etc. including social security schemes like PMJJBY, PMSBY, APY, JDY etc.

SDP Project sanctions details:**(Rs. in lakh)**

Letter No.	NB.AP.FSDD/SDP CC – 01/2661-47/2016-17
Dated:	17.03.2017
Project period	2Years (01.04.2017 to 31.03.2019)
Total project cost	9.65
Grant amount sanctioned	9.65
Community contribution (as per sanction)	0
Grant amount released	9.15
Grant amount utilized	9.65
Balance grant available in bank account (Submit copy)	0.0
Community contribution actually mobilized	0.00

Status of Maintenance Fund (MF):**(Rs.)**

Account No.	34416487636
Name of Bank & Branch	State Bank of India, Tanakallu
IFSC Code	SBIN0002797
MF received from NABARD	6.345
Total amount	6.345
Amount in fixed deposit	4.995
Amount utilized towards maintenance of structures	0.00
Bank charges, if any	0.00
Balance amount available in 'MF' account	8370

Status of MACS:**(Rs.)**

Account No.	91022267735
Name of Bank & Branch	Andhra Pragathi Grameena Bank, Nallagutlapalli
IFSC Code	APGB0001040
Grant received	17.626
Total revolving fund	17.626
Average loan amount per beneficiary	0.15
Total amount	17.626
Total number of beneficiaries covered	286
Loan outstanding	2261187

Amount in fixed deposit	0.00
Balance amount available in 'LH' account	0.00
Major activities supported under livelihood promotion	Milch animals, Sheep raring, crop inputs, Bangles business, petty shops.

Project Implementation:

in Rs.

S. No	Activities Sanctioned	Total Sanctions			Grant released			Utilization		
		Phy.	Financial		Phy.	Financial (Rs.)		Phy.	Financial (Rs.)	
			Community contribution	NABARD Grant		Community contribution	NABARD Grant		Community contribution	NABARD Grant
I	Trainings and Capacity Building programmes	47	0.00	2.84	47	0.00	2.84	47	0.00	2.84
II	Demonstrations	15	0.00	2.502	15	0.00	2.502	15	0.00	2.502
III	Exposure visits	8	0.00	1.308	8	0.00	1.308	8	0.00	1.308
IV	Promotion of Farmer Producer Organizations	1	0.00	2.00	1	0.00	2.00	1	0.00	2.00
V	Management cost	1	0.00	1.00	1	0.00	0.50	1	0.00	0.50
	Total		0.0	9.65		0.0	9.15		0.0	9.15

Component wise utilization:**Amount spent on Trainings:****Rs.**

Sl. No	Details of the trainings	Amount sanctioned	Amount incurred	No of farmers attended
1	Training on role and Responsibilities of VWC, VWDC members in Post watershed development	4000	4000	19
2	Training on Government and non government schemes and programs	4000	4000	16
3	Training on role and Responsibilities of VWC, VWDC members in Post watershed development	4000	4000	21
4	Training on Government and non government schemes and programs	4000	4000	24
5	Training on sustainable agriculture practices in major crops	4000	4000	15
6	Training on Zero budget Natural Farming (ZBNF) Training on NPM inputs preparation unit	4000	4000	24
7	Training on sustainable agriculture practices in major crops	4000	4000	24
8	Training on Zero budget Natural Farming (ZBNF) Training on NPM inputs preparation unit	4000	4000	25
9	Training on sustainable agriculture practices in major crops	4000	4000	36
10	Training on seed production, processing, certification and marketing	4000	4000	15
11	Training on sustainable agriculture practices in major crops	4000	4000	22
12	Water campaign : Crop water budget, crop water requirement,	4000	4000	30
13	Training on seed production, processing, certification and marketing	4000	4000	22
14	Water campaign : Crop water budget, crop water requirement,	4000	4000	28
15	Training to Farmers on Soil health improvement: Soil sampling, testing, reading soil health cards	4000	4000	24
16	Awareness on Climate Change, Risks & Mitigation, Adaptation; Climate resilient crops & Navadanya system of cultivation,	4000	4000	25
17	Training on Dairy, poultry and sheep rearing	4000	4000	25
18	Training to Farmers on Soil health improvement: Soil sampling, testing, reading soil health cards	4000	4000	25
19	Training on Dairy, poultry and sheep rearing	4000	4000	26
20	Awareness on Climate Change, Risks & Mitigation, Adaptation; Climate resilient crops & Navadanya system of cultivation,	4000	4000	25
21	Animal Husbandry sector /Animal health camps	4000	4000	27
22	Animal Husbandry sector /Animal health camps	4000	4000	24
23	Training on Horticulture :	4000	4000	23
24	Crop specific(Horticultural crops) programmes (2 or 3 crops to be combined)	4000	4000	25

25	Training on Dairy, poultry and sheep rearing	4000	4000	31
26	Training on Sericulture	4000	4000	26
27	Training on MGNREGA (to VWC, VDC members)	4000	4000	24
28	Animal Husbandry sector /Animal health camps	4000	4000	28
29	Training on MGNREGA (to VWC, VDC members)	4000	4000	30
30	Training on Sericulture	4000	4000	26
31	Crop specific(Horticultural crops) programmes (2 or 3 crops to be combined)	4000	4000	31
32	Training on Dairy, poultry and sheep rearing	4000	4000	26
33	Crop specific(Horticultural crops) programmes (2 or 3 crops to be combined)	4000	4000	26
34	Crop specific(Horticultural crops) programmes (2 or 3 crops to be combined)	4000	4000	23
35	Animal Husbandry sector /Animal health camps	4000	4000	28
36	Banker role in post watershed approaches, awareness on insurance schemes (crop, livestock)	4000	4000	24
37	Crop specific(Horticultural crops) trainings – Mango crop management	4000	4000	28
38	Crop specific(Horticultural crops) trainings – Tomato crop management	4000	4000	24
39	Training on value addition and market linkages – Groundnut	4000	4000	25
40	Training on value addition and market linkages – Tomato	4000	4000	21
41	Training on value addition and market linkages – Tamarind	4000	4000	24
42	Banker role in post watershed approaches, awareness on insurance schemes (crop, livestock)	4000	4000	25
43	Other need based trainings – NADEP compost preparation	4000	4000	24
44	Other need based trainings – CHC	4000	4000	21
45	Other need based trainings – Green manure crop cultivation	4000	4000	26
46	Other need based trainings – Silage fodder preparation	4000	4000	15
47	Exposure visit on FPO concept at Mulakanur, Capacity building/ Support measures to take up value chain in specific commodity (preferably lead crop) value chain or Capacity building/ support measures for implementing an Area development scheme (based on the ADS indicated in the banking plan for the watershed).	100000	100000	30

Amount spent on Demonstrations:**Rs.**

Sl. No	Details of the demonstration	Amount sanctioned	Amount incurred	No of farmers extended
1	MD on composting techniques, Vermi-composting unit	30000	30000	3
2	MD on preparation of various NPM concoctions	23000	23000	1
3	MD on Bore well recharge	23000	23000	1
4	MD on deep ploughing/ summer ploughing & various in-situ rain water harvesting techniques	6200	6200	1
5	MD on Life saving irrigation using Farm Pond or Tanker water and deploying rain guns or portable sprinkler, motor & pumpsets	12000	12000	3
6	Promotional programme on Solar pumpsets & Solar lighting and the on-going scheme of Gol & GoAP	4000	4000	15
7	Micro irrigation techniques - installation, operation and maintenance (including latest products)	4000	4000	22
8	Soil sampling, Soil testing (about 40 representative samples) and issue of soil health cards	15000	15000	40
9	Reclamation of problem soils	13000	13000	1
10	RD on Integrated Nutrient Management demo plots including green manuring and tank silt application	15000	15000	1
11	RD on Integrated Pest Management includes cost of Sticky charts, Light traps, Pheromone traps, Egg cards & other bio-control measures, use of Botanicals and other cultural practices.	15000	15000	1
12	Demo on ZBNF/ Organic farming	15000	15000	1
13	SRI Paddy demonstration - five half acre plots	15000	15000	1
14	Annapoorna Model' demo	15000	15000	1
15	Seed production plots demo - support measures for the farmers & MVK	15000	15000	1
16	Alternate Varieties, Crops & Cropping system, Crop rotation etc. (including Vegetables and Floriculture)	15000	15000	1
17	Navadhanya system of cultivation demo 2.50 acres plot	15000	15000	1

Amount spent on Exposure visits:**Rs.**

Sl. No	Details of the Exposure visits	Amount sanctioned	Amount incurred	No of farmers taken up for Exposure
1	Exposure visit to a suitable watershed for learning the post watershed approaches. And also to learn Climate Change, Risks & Mitigation, Adaptation measures.	15000	15000	24
2	Exposure visit to a suitable place to learn crop water budgeting, efficient water management practices, bore well recharging, water sharing, adoption of low water duty crops and crops grown under irrigated dry (ID) condition & SRI Paddy.	25800	25800	25
3	Exposure visit to KVK, ARS and ATMA - to learn Climate resilient agriculture techniques & in-situ soil moisture conservation works from ARS, Rekalkunta & other sustainable agricultural practices from KVK, Reddypalli.	15000	15000	13
4	Exposure visit of Farmers to Prakriti Vanam - Madanapalle, Aadharana Paadi-Panta farm to learn Integrated farming and Organic farming	15000	15000	23
5	Exposure visit on Seed Village Programme Seed self sufficiency, Seed Bank; Procurement of farm produce by CBO, Collective Marketing, Processing for value addition.	15000	15000	19
6	Exposure visit on Fodder Development - Rayalpadu	15000	15000	17
7	Exposure visit on Livestock management practices	15000	15000	18
8	Exposure visit on Horticulture - Model Fruit gardens	15000	15000	20

Amount spent on Promotion of Farmer Producers Organization:**Rs.**

Sl. No	Details	Amount sanctioned	Amount incurred	No of farmers
1				
2				

Coverage under various CBOs/institutions/schemes:

Sl. No.	Particulars	Newly formed (Since inception of the SDP Project)		Cumulative total	
		No.s	Members	No.s	Members
a	Self Help Groups (SHG)	5	50	69	698
b	Joint Liability Groups (JLG)	0	0	0	0
c	Farmer Clubs (FC)	0	0	0	0
d	Mutually Aided Cooperative Society (MACS)	0	0	1	498
e	Farmer Producers Organization (FPO)	1	20	1	20
f	Sprinkler irrigation	85	85	222	222
g	Atal Pension Yojana	0	0	0	0
h	PMJJBY	0	0	0	0
i	PMSBY	0	0	0	0

Farm equipment provided under promotion of FPOs under SDP Programme

Amount sanctioned under FPO component (in Rs.)	2.00									
Amount utilized under FPO component (in Rs.)	0.00									
Balance of amount under FPO component against sanction (in Rs.)	2.00									
Description of the equipment proposed by the VWDC	Unit Price	Qty/ No.of units	Net amount (in Rs.)	Eligible subsidy (in Rs.)	Tax amount in Rs.	Total amount (in Rs.)	Contribution extended from VWDC/ MACS (in Rs.)	Amount released by NABARD (in Rs.)	Sold by (Company)	Invoice Number and date
	1	2	3	4	5	6(3-4+5)	7(6/2)	8(6/2)		
Water tanker, Tractor attachment modal, 5500 liters capacity.	86000	1	86000	0	0	86000	38000	48000	Local manufacturers	22
2 Bottom plough	36000	1	36000	0	0	36000	18000	18000	SLN Industry, Anantapuramu	1092
8 Row seed cum fertilizer drill	68000	1	68000	0	0	68000	34000	34000	SLN Industry	1092
Tractor drawn bund former	28000	1	28000	0	0	28000	14000	14000	SLN Industry	1092
Honda engine mounted sprayer	46000	1	46000	0	0	46000	23000	23000	GM Power system	547
Honda power weeder (Model: F300)	48000	1	48000	0	0	48000	24000	24000	GM Power system	547
Red spiral rotor (For Power weeder)	14500	1	14500	0	0	14500	7500	7000	GM Power system	547
Paddy reaper	86000	1	86000	0	0	86000	54000	32000	GM Power system	551
Total	412500		412500	0	0	412500	212500	200000	1237500	
Date of VWDC resolution taken for the proposed activities*	09.03.2019									

Impact or Outcome

Sl. No	Parameter	Before SDP	After SDP	Comments
1	Productivity of major crops per Acre. Groundnut	6.25	7.50	There was an increase in the yield in Groundnut of 1.25 qtls per acre due to following sustainable agricultural practices in the SDP area.
	Maize	22.50	28.00	There was an increase of 5.5 qtls per acre in the yield of Maize due to following sustainable agricultural practices in the SDP area.
	Redgram	4.80	6.50	There was an increase of 1.7 qtls per acre in the Redgram due to following sustainable agricultural practices in the SDP area.
2	Cultivated area (Acres)	722.90	582.40	Cultivated area was decreased in project period because of continue drought form last 8 years.
3	Micro Irrigation viz Sprinkler, Drip and Rain gun etc.	137	222	85 farmers are adopt micro irrigation system equipments in project are during program period.
4	Number of famers adopting innovative methods viz. ZBNF, ZEBA	0	7	12 farmers practicing ZBNF methods in vegetable crops. The farmers covered in SDP project area
5	Support from State and Central Govt. Depts.	0	0	-
6	Soil Health Card issued	0	165	We have monitored soil health and adopted manurial schedule as per 165 soil health cards of concerned farmers. This has been resulted in decreased cost of cultivation towards

				excessive fertilizer application and farmers have got higher yields due to correcting nutritional deficiencies.
7	Financial inclusion-	75 lakhs	1.852 Cro	Farmers are award on financial inclusion.
	Number of saving bank accounts	275	468	193 savings bank accounts were being opened in SDP area to facilitate financial inclusion to avoid lending & avoid exploitation through middle men
	Number of Crop loans and Amount	217	432	Farmers covered under crop loans. APGB and SBI Tanakallu issued crop loans to farmers in kharif 2019.
	Number of farmers insured	217	432	All loaned farmers are covered under crop insurance scheme.
	Number of term loans and amount	0	0	-
8	Credit intensification- Number of SHGs, Number of JLGs	140.20 laks	255.30 laks	Andhra Pragathi Grameena Bank and SBI Tanakallu issued loans to 69 SHGs under income generation activities.
9	Number of FPOs formed	0	1	One FPO formed in the Throughout Mandal Our project area also covered in the FPO. Project area farmers also members in the FPO.
10	Number of MSMEs working	0	0	-
11	Any other significant sustainable practices adopted			-

Component: TRAININGS:

Provide photograph of five major trainings conducted with brief foot note

Photographs of five Trainings conducted (with brief write up on its Utility and Benefit)

1. Animal health camp:



This animal health camp was being conducted by Dr. Harinathareddy, Veterinary Asst. Surgeon, trainer had explained about clean cattle rearing with sheds and explained about various schemes available for cattle promotion. During this camp a meeting was conducted to animal Rearers about explain the precautionary measures to be taken for controlling communicable diseases. Later treatment was given to 124cows and Deworming given to 654

sheep and goats.

2. Livestock management:

This training was conducted to make them aware on live stock management. The trainer had explained about various livestock management practices including both precautionary as well as diseased animals. Training was given by ADH Dr.Shiva Prasad Raju and local VAS Dr.Harinatha Reddy.



3. Horticulture development:



Training was given on horticultural development on inter cropping in orchards like Mango, Black berry and Guava. Latest horticultural practices like mulching with plastics, staking to giving support for enhancing plant growth of vegetables.

4. Soil sample collection:



This training was conducted to collect soil samples systematically to collect the sample by representing the plot of each farmer. The collected samples were being sent RARS< Tirupati to get accurate samples and the results were being explained to each farmer for applying the fertilizers based on recommendations.

5. Sustainable agriculture development:

This training was conducted by local MAO Mrs. Jyothsna, during this training it was being explained about NPM practices with locally available resources (without using external inputs like chemical fertilizers and pesticides from outside, Zero Budget Natural Farming by using Ghana Jeevamrutham, Drava Jeevamrutham to substitute chemical fertilizers and local concoctions in place chemical pesticides , Bio fertilizers.



Component: Demonstrations:

Provide photograph of five major demonstrations conducted with brief foot note

1. Vermi compost preparation:

This demonstration vermi composting was being organized to encourage sustainable agricultural practices. In this practice, agricultural waste and crop residue is being converted in organic fertilizer to reduce usage of external inputs like chemical fertilizers. The products got from the plot those have been applied vermi compost were fetched higher market prices because of their high keeping quality.



on
to

2. Annapurna demo:



This demo was being organized to promote growing of various vegetable crops in one acres of land. The crops include tuber crops, leafy vegetables normal vegetables and creepers according to the growth parameters to utilize the sun light in an effective manner. Due to diversified cropping famrer got good amount of income rather than going for one vegetable crop at a time.

3. Life saving irrigation:

Critical irrigation has been given to the crop under project assistance. This irrigation is used to save the crop from water shortage due to depletion of bore wells during peak season of the crop. Because of this life saving irrigations, farmers got their normal yield even during non functioning of their bore wells.



Component: Exposure visits:

Provide photograph of five major Exposure visits organized with brief foot note

1. Horticulture development:



This exposure was conducted to expose the farmers to floriculture field to encourage the farmers to go for value based crops. Farmer trainers have explained about the importance of horticulture and cost of cultivation incurred for going for floriculture and package of practices adopted. They have also shared their experiences in getting income from floriculture especially during peak seasons and festival occasions.

2. Fodder development and Livestock management:



Napier, CO-4, Bajra and Sorghum crops.

This exposure was conducted to make them aware on fodder development and live stock management. Dr. H.Srinavasa Naik Head of Live stock Research Station, Siddaramapuram had explained about various latest fodder varieties developed by the scientists and explained the nutritional values and package of practices. Later they have visited farm at which various developed fodder varieties being cultivated for demonstration purpose. They have seen the varieties like Super

3. Organic farming:

This exposure visit was being conducted on organic farming and marketing their products. In this visit, trainers have explained about the methods of organic farming and methods for marketing their organic products. The exposure visit being organized to Prakritivanam, Madanapalle.



Component: Promotion of FPOs

Provide photograph of five with brief foot note



Each FPO has been provided one water tanker for providing critical irrigation, two MB ploughs for deep ploughing, bed former for formation of bunds, seed cum ferti drill for sowing and application of fertilizers during sowing, power weeder, Paddy raper for harvesting the paddy crop under for promoting farm mechanization

hub. This initiative was taken to cover labor shortage during peak season and rainy season for which

we can utilize the soil moisture. For this program Project has contributed Rs.2 lakhs with equal contribution from the concerned FPO.



Equipment Handover Form

Name of the Project

Edulavanka

Mandal

Tanakallu

District

Anantapuramu

S.No.	Item Description	Model	Additional Items Accompanying the main item?	Initials of Recipient
1	Water tanker, Tractor attachment modal, 5500 liters capacity.	Local model	No	
2	2 Bottom plough	Local model	No	
3	8 Row seed cum fertilizer drill	Local model	No	
4	Tractor drawn bund former	Local model	No	
5	Honda engine mounted sprayer	Four stock Modal	No	
6	Honda power weeder (Model: F300)	F300	No	
7	Red spiral rotor (For Power weeder)	F300	No	
8	Paddy reaper	8433	No	

By initialing above and signing below, I acknowledge that the items handed over are my responsibility until I turn them back in. I understand that if they are stolen, lost, or damaged while in my care, I will be responsible for replacing them at my own cost.

Handed over to:

G.Purusothamraju Date:30.06.2019

Date:30.06.2019

G.Ramanna Date:30.06.2019

Handed over by:

D.Ramanappa Date:30.06.2019

Mode of payment for use of equipment: Cash

Farm mechanization is monitored by: VWC

VWC Details:

S. No.	Name of VWC member	Designation	Contact No.	Designated on (from date)
1	D.Anusuyamma	Chairman	9676046508	01.04.2017
2	G.Purusothamraju	Secretary	9000282722	01.04.2017
3	P.Subbayya	Tresurer	8790437155	01.04.2017
4	K.Ramakka	Member	9121113985	01.04.2017
5	K.Ramanamma	Member	9878469258	01.04.2017
6	P.Reddybasha	Member	8832658489	01.04.2017
7	R.Mahalaxamma	Member	8985337337	01.04.2017
8	M.Akkulamma	Member	6304888159	01.04.2017
9	G.Ramanna	Member	8500253684	01.04.2017
10	PK.Narayana	Member	9100183577	01.04.2017
11	D.Ramappa	Member	9849782912	01.04.2017
12	L.Ramalaxamma	Member	8059458546	01.04.2017
13	KM.Sunitha	Member	9704075058	01.04.2017
14	D.Ramanappa	Member	6304972132	01.04.2017
15	N.Venkatramana	Member	9701729498	01.04.2017

No. of Grama Sabhas held during the SDP project period: 06

No. of VWC meetings held during the SDP project period: 32

Frequency & Duration of VWC Meeting: Monthly

Record Keeping: (Details of records maintained by VWC)

S. No.	Record name	Date of last updated	Remarks
1	Gram Sabha Minutes Register	15.06.2019	
2	VWC Register	10.07.2019	
3	Updated Bank Pass Books (SDP/LH/MF)	30.07.2019	

4	Individual Loan/Repayments register (LH/APEM)	30.07.2019	
5	Maintenance Fund collection register	30.07.2019	
6	Receipts	30.07.2019	
7	Bills	30.06.2019	
8	Vouchers	30.06.2019	
9	Audit Reports	30.06.2019	
10	Progress Reports	30.06.2019	
11	Beneficiary lists	30.06.2019	
12	Trainings Register	30.06.2019	

Balance amount available: Rs.0.00

Signatories

PFA

VWC

Person 1:

Signature : _____

Signature : _____

Name : S.Sreenivasareddy

Name : G.Purushothamraju

Designation : Manager

Designation : President

Person 2:

Signature : _____

Signature : _____

Name : B.Chandaramohan

Name : D.Ramanappa

Designation : Coordinator

Designation : BOD member