

TRIBAL DEVELOPMENT PROGRAMME - A SNAPSHOT

Farm Sector Development Department





VISION

Development Bank of the Nation for
Fostering Rural Prosperity.

MISSION

Promote sustainable and equitable agriculture
and rural development through participative
financial and non-financial interventions,
innovations, technology and institutional
development for securing prosperity.





डॉ. जी. आर. चिंताला

अध्यक्ष

Dr. G. R. Chintala

Chairman



FOREWORD

The growth of agriculture and infrastructural facilities has given impetus to all sectors of our economy. However, tribals constituting 8.61% of our population still face several challenges in development. For an all-inclusive development, mainstreaming of tribals by improving their livelihoods is a necessity. NABARD is actively engaged in supporting tribal livelihoods through various promotional and skill development programmes. A flagship programme of NABARD for sustainable tribal livelihoods is 'wadi' model of tribal development, which has evolved with the support of national and international developmental agencies and finally culminated in creation of a dedicated fund called Tribal Development Fund (TDF) by NABARD.

The orchard based sustainable livelihood of Wadi under TDF supports tribal families in establishment of orchard (wadis), supplementary income through intercropping, enabling soil conservation and water resource development, other livelihood interventions, interventions to improve quality of life, capacity building, in accordance with local needs. I have pleasure to share that impact study of completed TDF projects have indicated reduction in migration from 64% to 24%, increase in annual income by ₹ 3000 to ₹ 25000, increase in ownership of assets, increase in SHG participation from 23% to 55%, access to advance agri-technology at lower costs and increase in availability of basic food items.

This booklet will give a glimpse of NABARD's wadi model and successful livelihood interventions in these projects for development of tribal communities.

Dr. G. R. Chintala
Chairman



पी. वी. एस. सूर्यकुमार

उप प्रबंध निदेशक

PVS Suryakumar

Deputy Managing Director



PROLOGUE

NABARD has been the forerunner in designing and implementation of programmes/ projects on natural resources management and sustainable livelihoods. Tribal communities who dwell in forest fringes are highly vulnerable and dependent on forest resources. Providing better livelihood opportunities to tribal families will minimize their dependence on forests, thus saving forest resources and also improve their standard of living and quality of life. Our learnings on tribal livelihoods through a pilot programme called Adivasi Development Programme in Gujarat and Maharashtra with support from KfW, Germany have helped us develop an integrated livelihood model called 'Wadi'. We have created Tribal Development Fund at NABARD to scale up this model.

Through grant support under TDF, we have touched remote tribal pockets across India with 898 projects covering 5.85 lakh families in 25 States and 4 UTs. The wadi model over the years, graduated from orchard based intervention to other agri-allied activities, NTFP, sericulture, etc. Attempts are made for convergence with schemes of Central and State Governments. NABARD also mobilised CSR fund of ₹83.99 crore from 29 CSR Foundations for 69 projects under TDF. Various evaluation studies have indicated that there is significant improvement in the living standard of tribal populace by way of reduction in migration, increase in income, purchase of land, reduction in school dropouts, etc.

The publication brought out by Farm Sector Development Department, NABARD Head Office containing stories of select successful WADI and non-wadi interventions will be handy for all stakeholders to understand this holistic approach, converge their resources, bring in diversity of models/ interventions and contribute to tribal development.

PVS Suryakumar
Deputy Managing Director



सी एस आर मूर्ति

मुख्य महाप्रबंधक

CSR Murthy

Chief General Manager



PREFACE

NABARD has been closely associated with promotion of livelihood activities for the resource poor tribal population ever since establishment. As an integral component of NABARD's Natural Resource Management (NRM) policy of providing sustainable livelihoods, NABARD laid special emphasis on providing support for holistic development of tribal communities primarily with orchard establishment as the core element along with other need based activities.

NABARD established a dedicated Tribal Development Fund (TDF) of ₹ 50 crore out of profits during 2003-04. During the last 18 years, 898 tribal development projects with grant support of ₹2541 crore covering 5.85 lakh tribal families stretched across 5.53 lakh acre of land covering 25 states and 4 union territories have been implemented to improve tribal livelihoods and their quality of life. NABARD's initiative has brought awareness among the poor tribal people and it has now become a household name popularly centred around 'wadi', which is a small orchard based programme. The 'Wadi' model is holistic in approach, based on tribals' affinity to trees and forests, addressing production, processing and marketing of wadi produce and also other livelihood requirements. It also takes care of fuel and fodder needs of the tribals.

In addition to wadi model, we are now encouraging other livelihood models such as dairy, piggery, goatery, apiary, lac, other NTFP, etc. to cover landless beneficiaries under TDF.

I hope that this booklet of success stories will be a very useful document to various stakeholders in disseminating information on various activities undertaken and replicating the model for holistic development of tribal communities.

CSR Murthy
Chief General Manager



TRIBAL DEVELOPMENT PROGRAMME - A SNAPSHOT



Farm Sector Development Department
National Bank for Agriculture and Rural Development
Committed to Rural Prosperity

12th July 2022

TRIBAL DEVELOPMENT PROGRAMME

A small orchard-based sustainable livelihood model for tribals, involving development of wadi (small orchard) and other associated interventions has been under implementation in Gujarat and Maharashtra since 1990s under the Adivasi Development Programmes (ADPs). ADP Gujarat and Maharashtra were externally aided by KfW, Germany, which touched the lives of 33500 tribal population. Wadi has evolved as a most successful model of sustainable income to the tribal families. To replicate the model in tribal areas across the country, NABARD has set up a dedicated Tribal Development Fund (TDF) in the year 2003-04 with an initial corpus of Rs.50 crore out of its annual profit. The programme which began with implementing only 11 projects in 2005-06, has now grown to 898 projects since creation of the fund.

The objective of the Fund is to:

- create replicable models of integrated development of tribal families on participatory basis, through adoption of sustainable income generating activities based on potential of the area and the tribal needs;
- build and strengthen tribal institutions, which would enable the communities to be partners in policy formulation, execution of programs and improve social and economic status; and
- build and strengthen producers' organizations

Major Components

- Setting up small orchards (wadis)
- Soil conservation
- Water resource development
- Micro enterprise development
- Training and capacity building
- Community health development
- Women empowerment
- Promotion of on farm and off farm activities



The discovery of agriculture was the first big step toward a civilized life - Arthur Keith

Status of Tribal Development programme as on 31st March 2022

So far 898 projects have been sanctioned under TDF covering approximately 5.85 lakh tribal families and 5.53 lakh acre area as on 31st March 2022. Cumulative grant sanctioned and disbursed as on 31st March 2022 is ₹2541.00 crore and ₹1802.00 crore respectively. Out of the 898 projects, 452 have been successfully completed and remaining projects are under various stages of implementation. Over the years, TDF has been augmented by adding the sum from interest differential under RIDF and interest earned from the unutilized balance. Fund position as on 31st March 2022 is ₹1342 crore. At present, the programme is being implemented in partnership with 508 Project Implementing Agencies (PIAs). 143 FPOs have been promoted under TDF covering 0.43 lakh families, which are engaged in income generation activities, such as, agri-input/agri-service centers, aggregation and marketing of agri. produce, custom hiring center, processing/ value addition, agri-allied activities, etc. To expand the coverage of landless tribal farmers, 14 non-wadi projects have been sanctioned covering 4572 families with financial assistance of ₹33.91 crore.

Around 2.77 crore trees have been planted in the wadis sanctioned so far, which have a potential of sequestering of 6.08 lakh ton carbon dioxide per year.

Tribal Development Programme – as on 31 March 2022



143

FPOs



898

Projects sanctioned



5.85 lakh

Families Covered



69 projects

CSR



2.77 crore

Trees planted



29 States and UTs

5.53 lakh acre

Area Covered



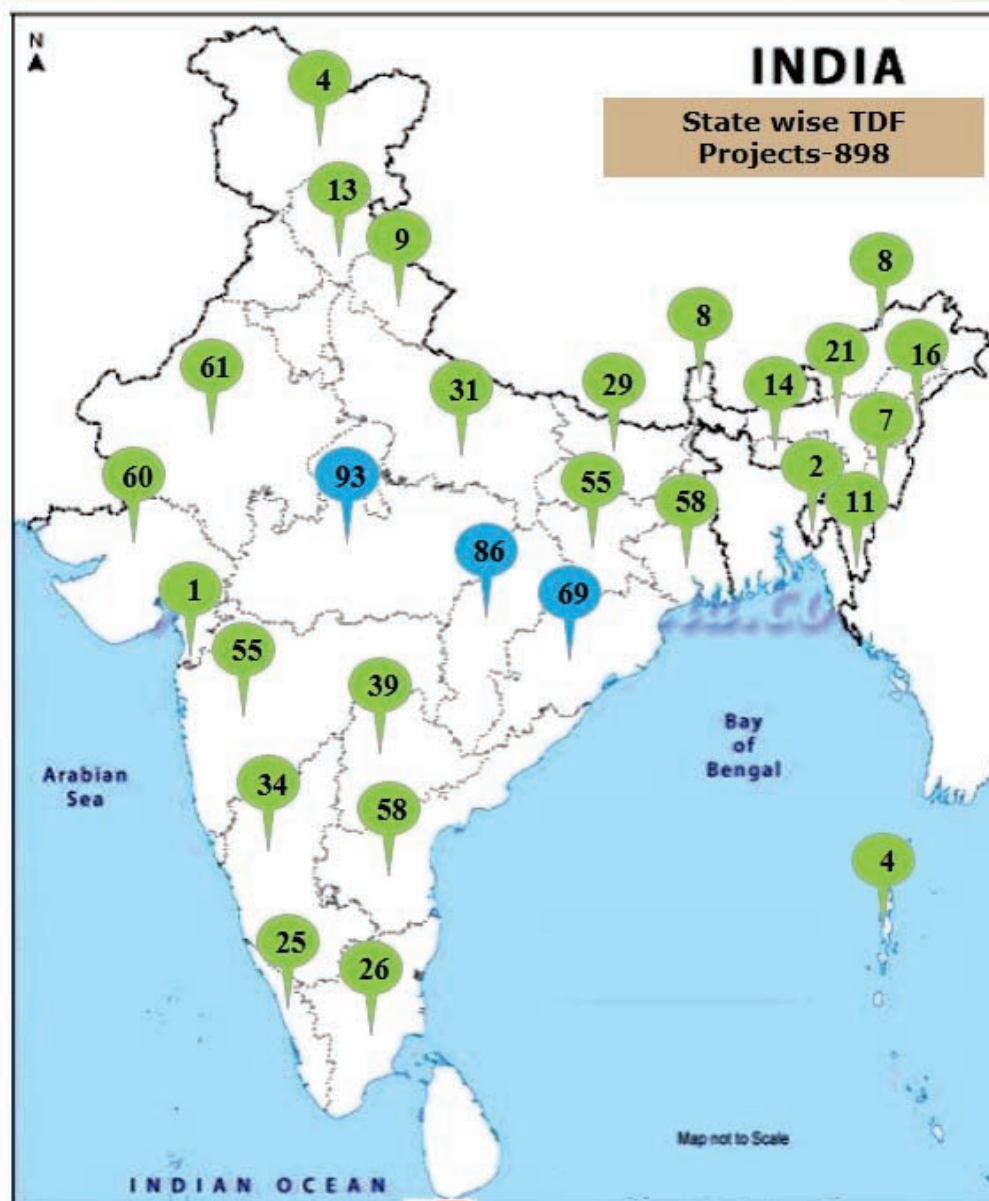
**Rs.2541 crore
sanctioned**

**Rs.1802 crore
disbursed**

A farmer is always going to be rich next year - Philemon.

Geographic spread

As per the Census 2011, majority of tribal population of India is situated in central and eastern part of the country. Accordingly, majority of TDF projects have been sanctioned and implemented in major tribal populated States. Madhya Pradesh (93), Chhattisgarh (86), Odisha (69), Rajasthan (61) and Jharkhand (55) have sanctioned major share of projects. Out of the total 898 projects, 87 projects have been sanctioned in North Eastern Region (NER) of the country. Assam (21), Nagaland (16) and Meghalaya (14) have sanctioned majority of the projects.



To make agriculture sustainable, the grower has got to be able to make a profit - Sam Far

Activities

The TDF projects primarily involve development of orchards of horticulture crops suitable to the agro-climatic zone. So far, wadis of mango, cashew, guava, aonla, sapota, orange, banana, litchi, pomegranate, apple, apricot, walnut, peach, pineapple, coconut, cardamom, passion fruit, etc. have been developed throughout India. Some plantation crops like coffee, rubber, etc. have also been included in few wadis. Forestry plants like teak, drumstick, casuarina, bael, mulberry, willows, glyricidia, sesbania, leucaena, etc. have been taken up as border plants in the wadis. Further, various Non-Timber Forest Products (NTFPs) like medicinal plants, bamboo, lac, etc. have also been a component of many TDF projects. To support landless tribal families in the programme, non-wadi projects have also been sanctioned with livelihood activities such as apiary, animal husbandry, apiculture, sericulture, lac cultivation, etc.



Agriculture was the first occupation of man, and as it embraces the whole earth, it is the foundation of all other industries - Edward W. Stewart

Corporate collaborations

The success of TDF projects has encouraged partnership with the CSR wings of various corporates. 29 Corporates have collaborated with NABARD in 69 projects under their CSR initiatives. An amount of ₹83.99 crore has been leveraged from Corporates for these projects, in which NABARD’s commitment is ₹160.09 crore.



Major Milestones

- 2005 1st TDF project sanctioned
- 2008 GPS based monitoring in Madhya Pradesh
- 2011 Mandap (Trellis) introduced in wadis
- 2013 500th project sanctioned
- 2015 Co-funding/CSR funding introduced
- 2017 Grant per wadi increased to ₹45000 (general areas) and ₹50000 (NER and hilly States)
- 2017 nabadivasiyojana Portal for digitization of TDF projects launched
- 2018 Grant per wadi increased to ₹60000 and ₹65000
- 2018 TDF guidelines broad based to include other than wadi projects
- 2020 Sustainability Plan introduced in TDF
- 2021 Grant per project increased to ₹67000 and ₹72000

To most people, it’s dirt. To the farmer, it’s potential – Doe Zantamata

Important Learnings

- Horticulture based livelihoods have proved to be a successful model in improving income of the farmers with small land holding and arrest migration.
- Processing and value addition of horticulture-based produce will enhance the income of the tribal families and needs to be part of sustainability plan.
- Special relaxation is required for hilly and difficult areas in terms of cost norms and other parameters.
- Need for development of non-wadi models to encourage inclusive growth for landless farmers.

Way forward

- Standardization of “other than wadi” model viz. Lac, Non-Timber Based Forest Products (NTFPs), Honey Bee, etc.
- Geographical Indication (GI) mapping of products of tribals (both farm and handicraft) and integrating with TDF projects.
- Increasing agroecological principles in wadi programme.
- Convergence with GoI schemes viz. Agriculture Infrastructure Fund, PM Formalization of Micro Food Processing Enterprise Scheme (PMFME) and Mission on Integrated Development of Horticulture (MIDH).
- Promotion of FPOs in cluster of wadi projects.
- Preparation of Banking Plan in TDF project areas in line with the existing concessional refinance scheme of NABARD in NRM Projects.
- Geo-tagging of TDF wadis and superimposing with the geotagged post-harvest infrastructure to enable utilization of existing storage infrastructure by tribal families.
- Assessment of carbon sequestration in WADI projects. At present TDF projects have a potential of sequestering 6.08 lakh tonne carbon dioxide yearly.
- Innovative and Traditional Technical Knowledge to be encouraged in WADI and convergence with other schemes may be ensured.
- Strengthening the existing health component under TDF with food and nutritional security by incorporating Poshak Vatika / Nutritional Garden.
- Impact evaluation studies of completed Tribal Development Projects to be conducted.



To be a farmer is to be a student forever, for each day brings something new — John Connell

Harvesting the sweet fruits of efforts



To forget how to dig the earth and to tend the soil is to forget ourselves - Mahatma Gandhi.

Andhra Pradesh

Total projects sanctioned	58
Ongoing	09
Completed	44
Families benefitted	39452
Area covered (acre)	37250
Amount sanctioned (Rs. crore)	166.55
Amount disbursed (Rs. crore)	136.17



Fruits of prosperity	
<p>Project location: Krishna District</p> <p>Beneficiary: Mr. Bharothu Nagaraju</p> <p>Implementing agency: Vasavya Mahila Mandali, Vijayawada</p>	<p>Outcome</p> <ul style="list-style-type: none">• Increase in income✓ Fruit crops: ₹1.3 lakh per year from fourth year onwards✓ Intercropping: ₹50000 to ₹60000 per annum• Yield from fruit trees: 2 ton mango and 10 ton guava
<p>Interventions</p> <ul style="list-style-type: none">• Developed wadi of mango and guava in one acre land• Intercropping along with fruit crops	



Let us not forget that the cultivation of the earth is the most important labor of man. When tillage begins, other arts follow. The farmers, therefore, are the founders of human civilization - Daniel Webster

Arunachal Pradesh

ARUNACHAL PRADESH

Total projects sanctioned	08
Ongoing	04
Completed	01
Families benefitted	2931
Area covered (acre)	3226
Amount sanctioned (Rs. crore)	16.90
Amount disbursed (Rs. crore)	7.77



Reaping benefits through improved farming techniques

Project location: Papum Pare

Beneficiary: Shri Tad Tala

Implementing agency: KVK, Papum Pare

Interventions

- Developed wadi of Khasi Mandarin and pineapple in 5 acres land
- Intercropping with large cardamom
- Capacity building of farmers on application of modern techniques on intensive cropping system, high density planting and inter cropping

Outcome

- Income enhancement
 - Pre-project**
 - ✓ Orange : ₹14040/acre
 - ✓ Pineapple : ₹10880/acre
 - Post-project**
 - ✓ Orange : ₹58300/acre
 - ✓ Pineapple : ₹20000/acre
- Capacity building of farmers on modern techniques



Agriculture is our wisest pursuit because it will in the end contribute most to real wealth, good morals, and happiness - Thomas Jefferson.

Bihar

Total projects sanctioned	29
Ongoing	23
Completed	01
Families benefitted	17757
Area covered (acre)	17368
Amount sanctioned (Rs. crore)	81.21
Amount disbursed (Rs. crore)	44.18



Transforming barren land into productive asset

Project location: Kishanganj

Total beneficiaries: 500 tribal families

Implementing agency: Resource Development and Management Organization

Interventions:

- Horticulture orchards developed by the beneficiaries

Outcome

- Barren and unutilized lands put into economic use
- Source of sustainable income for tribal families
- Women empowerment through formation of 25 SHGs and linked with Jeevika
- Decline in distress migration
- Reduction in soil erosion and improvement in soil fertility



Agriculture is the noblest of all alchemy; for it turns earth, and even manure, into gold, conferring upon its cultivator the additional reward of health - Paul Chatfield

Chhattisgarh

Total projects sanctioned	86
Ongoing	17
Completed	61
Families benefitted	57163
Area covered (acre)	56963
Amount sanctioned (Rs. crore)	241.80
Amount disbursed (Rs. crore)	185.38



वाडी ने बदली ईचोली की तस्वीर, अब दिखने लगी चारों ओर हरियाली ही हरियाली

परियोजना का स्थान: ईचोली

लाभार्थी: राजकुमार राम तथा सोनसाय राम

इम्प्लेमेंटिंग संस्था: रायगढ़ सहयोग समिति

हस्तक्षेप

- 2 एकड़ जमीन में आम, नासपाती (प्रति एकड़ 25 आम, 30 नासपाती) के कुल 110 पौधों का रोपण किया
- मिर्च और टमाटर की खेती की
- 1 बोरवेल का खनन कर पानी की व्यवस्था की
- किसान उत्पादक संगठन हरित क्रान्ति आदिवासी सहकारी समिति के ज़रिए इनपुट की खरीदी (खाद, बीज, दवाई) एवं आउटपुट की बिक्री (मिर्च, टमाटर, सब्जी)

नतीजा

- विगत 6 वर्षों में रु 595100 का लाभ
- 1 एकड़ में मिर्च, लौकी और खीरे की पहली तोड़ाई से रु 12000 के उत्पाद की बिक्री
- आम और नासपाती से प्रति वाडी से रु 55000 लाभ मिलने की संभावना
- परिवार के गुज़ारे के लिए अब पलायन नहीं हो रहा



जब कोई किसान अपने हक के लिए लड़ता है, तो समझना कि वह हिंदुस्तान के हक के लिए लड़ रहा है – अनाम

Gujarat

Total projects sanctioned	59
Ongoing	17
Completed	26
Families benefitted	47312
Area covered (acre)	46391
Amount sanctioned (Rs. crore)	203.23
Amount disbursed (Rs. crore)	149.77



Six years of wadi – ten folds increase in income!

<p>Project location: Kaprada-Phase -I</p> <p>Beneficiary: Shri Ramaben Ramesh Gangda</p> <p>Implementing agency: BAIF</p>	<p>Outcome</p> <ul style="list-style-type: none">Annual income increased tenfold!✓ Pre-intervention income: ₹20000/annum✓ Post-intervention income: ₹2.0 lakh/annum
<p>Interventions</p> <ul style="list-style-type: none">Developed wadi in 3.5 acresIntercropping with vegetables under mandap system	



A reasonable agriculture would do its best to emulate nature.
Rather than change the earth to suit a crop it would diversify its crops to suit the earth - Verlyn Klinkenborg

Himachal Pradesh

Total projects sanctioned	13
Ongoing	10
Completed	02
Families benefitted	3591
Area covered (acre)	2530
Amount sanctioned (Rs. crore)	20.77
Amount disbursed (Rs. crore)	12.52

HIMACHAL PRADESH



Dissemination of best practices in Orchard management

Project location: Nichar block of Kinnaur district

Total beneficiaries: 607 tribal families

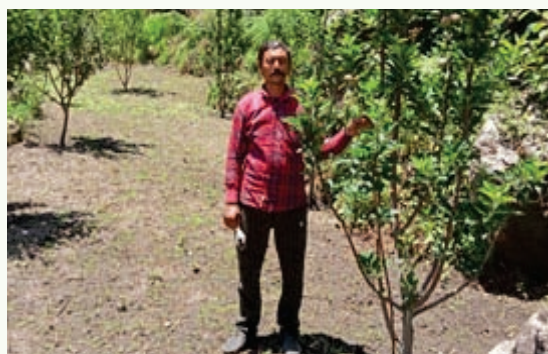
Implementing agency: Hill agriculture and Rural Development Promotion Society

Interventions

- Developed wadi of apple
- Capacity building of farmers on orchard management

Outcome

- 70% of the apple orchards are in fruit bearing stage.
- Expected annual income ₹ 1 – 3 lakh per beneficiary



No race can prosper until it learns there is as much dignity in tilling a field as in writing a poem - Booker T. Washington.

Jharkhand

Total projects sanctioned	55
Ongoing	26
Completed	22
Families benefitted	35225
Area covered (acre)	32129
Amount sanctioned (Rs. crore)	169.56
Amount disbursed (Rs. crore)	115.06

JHARKHAND



Strong Institution building provides sustainable income!

Project location: Gumla

Total beneficiaries: 1000 families

Implementing agency: Gramin Vikas Trust

Interventions

- Developed wadis of mango and guava
- Intercropping
- Cattle control measures (Charai Bandi) to protect crops
- Market linkage

Outcome

- Enhancement in rabi crop due to the cattle control (Charai Bandi) measures
- 100% market linkage in the project
- Formed 22 Wadi Samitis and 29 SHGs in 27 villages of the project area.
- SHGs are active and linked to banks
- 8 SHGs are involved in beekeeping
- 10 SHGs are involved in year-round Sal leaf plate making by machine and traditional process.
- **Income**
 - ✓ Beekeeping ₹ 7500 per box per annum
 - ✓ Average income enhancement from leaf plate making is ₹15000 to ₹ 25000 per annum
 - ✓ Sustainable income from mango and guava
 - ✓ Intercropping income ranges between ₹ 20000/- to ₹ 35000/ per season.



The farmer is the only man in our economy who buys everything at retail, sells everything at wholesale, and pays the freight both ways - John F. Kennedy.

Karnataka

Total projects sanctioned	34
Ongoing	12
Completed	18
Families benefitted	26299
Area covered (acre)	21593
Amount sanctioned (Rs. crore)	110.20
Amount disbursed (Rs. crore)	65.36

KARNATAKA



Improvement in productivity of crops and human resources!

Project location: Ballari

Total beneficiaries: 873 families

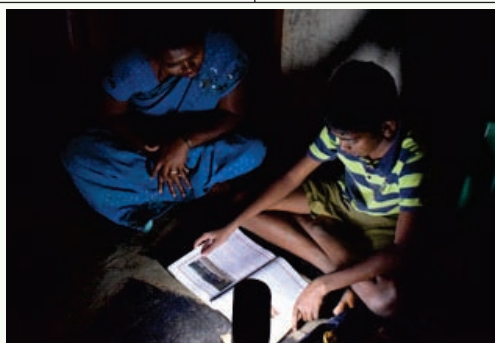
Implementing agency: Sankalpa Development Centre

Interventions

- Developed wadi of mango and sapota
- Intercropping – ragi, bajra, maize & groundnut
- Developed micro enterprises
- Social development

Outcome

- Productivity enhancement by 22 – 37% in ragi, bajra, maize & ground nut
- Micro enterprises for landless families such as tailoring, dairy development, sheep rearing, etc.
- Additional income from mango and sapota of ₹ 44000 per acre/year
- Income from micro enterprises ranges ₹ 25000-₹30000 per year
- Solar lanterns provided to the poorest families resulted in
 - ✓ better education for the children
 - ✓ improvement in quality of life



A good farmer is nothing more nor less than a handy man with a sense of humus – E.B. White.

Kerala

Total projects sanctioned	25
Ongoing	11
Completed	14
Families benefitted	9469
Area covered (acre)	9611
Amount sanctioned (Rs. crore)	49.93
Amount disbursed (Rs. crore)	36.47

KERALA



Leveraging on lease Farming by SHG members formed in Tribal Development Programme

<p>Project location: Kannur District</p> <p>Total beneficiaries: 500 tribal families</p> <p>Implementing agency: Malabar Social Service Society</p>	<p>Interventions</p> <ul style="list-style-type: none">• Cultivation of paddy and turmeric in lease land• Formation of SHGs and JLGs• Promotion of collective farming• Branding of products• Online marketing	<p>Outcome</p> <ul style="list-style-type: none">• Formed 63 SHGs and 6 JLGs• JLGs credit linked with banks• Collective farming, processing and marketing• Developed common brand name “NAAC” and got registered• Marketing of honey and turmeric powder through online marketing platform of TRIFED• Sustainable family income
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The farmer has to be an optimist or he would not still be a farmer - Will Rogers

Madhya Pradesh

Total projects sanctioned	93
Ongoing	18
Completed	30
Families benefitted	75176
Area covered (acre)	71795
Amount sanctioned (Rs. crore)	307.95
Amount disbursed (Rs. crore)	200.64

MADHYA PRADESH



Economic use of grazing fallow land

Project location: Majhgawan, Dist. Satna

Beneficiary: Shri. Lal Das Singh Gond

Implementing agency: BISLD

Interventions

- Developed wadi of mango (10 plants), guava (30 plants) and aonla (20 plants)
- Planted karonda (200 plants) as border plant
- Intercropping
- Developed water source through borewell

Outcome

- Practicing crop production in three seasons
- Income from selling of vegetables is ₹5000 - ₹6000 per month.
- Creation of water sources (borewell) by putting income of ₹40000 earned from sale of intercrops
- Grazing fallow land put into economic use
- Income from wadi after three more years is expected to be more than the pre-wadi yearly income of ₹30,000-₹40,000 from the agriculture



If agriculture goes wrong, nothing else will have a chance to go right in the country - M. S. Swaminathan

MAHARASHTRA

Total projects sanctioned	55
Ongoing	22
Completed	28
Families benefitted	48347
Area covered (acre)	43878
Amount sanctioned (Rs. crore)	188.35
Amount disbursed (Rs. crore)	154.81



Project location: Dhadgaon, Nandurbar district

Total beneficiaries: 1100 tribal farmers

Implementing agency: TATA CInI

Interventions

- Developed wadi of mango and guava
- Goat rearing for landless beneficiaries
- Intercropping
- Water resource development through CSR collaboration

Outcome

- Income from intercropping - ₹50000 per year
- Income from orchard is expected soon
- Linked wadi farmers with FPOs
- Marketing of products in local markets and blocks



The discovery of agriculture was the first big step toward a civilized life - Arthur Keith

Meghalaya

Total projects sanctioned	14
Ongoing	08
Completed	00
Families benefitted	4630
Area covered (acre)	4630
Amount sanctioned (Rs. crore)	21.72
Amount disbursed (Rs. crore)	17.62

MEGHALAYA



Success is sweet but the secret is sweat

<p>Project location: Jirang, Ribhoi district</p> <p>Beneficiary: Shri Bukstar R. Marak</p> <p>Implementing agency: North East India Committee on Relief and Development (NEICORD)</p>	<p>Outcome</p> <ul style="list-style-type: none">• Expansion of activities<ul style="list-style-type: none">✓ Arecanut farming✓ Fish farming• Income<ul style="list-style-type: none">✓ Approximately ₹15000 per season from lemon and pineapple✓ Additional income from arecanut farming and fish rearing
<p>Interventions</p> <ul style="list-style-type: none">• Developed wadi of Khasi Mandarin (80 plants) and Assam Lemon (200 plants)• Intercropping with pineapple (1000 suckers)	



An industry that feeds you, is an industry worth fighting for – Tierra Kesler

Nagaland

Total projects sanctioned	16
Ongoing	08
Completed	07
Families benefitted	5750
Area covered (acre)	5580
Amount sanctioned (Rs. crore)	26.73
Amount disbursed (Rs. crore)	21.49

NAGALAND



Adoption of settled cultivation through new farming practices

Project location: Phek district

Total beneficiaries: 500 tribal farmers

Implementing agency: Chakhesang Women Welfare Society

Interventions

- Developed wadi of orange, kiwi, banana
- Intercropping with large cardamom, Naga chilli, tomato, ginger, etc.
- Promoted settled cultivation and crop intensification

Outcome

- Income
 - ✓ ₹200000 lakh from sale of fruit crops and intercrops by Mr Bora, one of the farmers
 - ✓ Approximate average annual income is ₹60000 per family
 - ✓ Annual income of beneficiaries has doubled due to the project
- Farmers adopted permanent farming and crop intensification due to TDF interventions
- Diverse and multi-strata crops taken up by farmers



My grandfather used to say that once in your life you need a doctor, a lawyer, a policeman and a preacher. But every day, three times a day, you need a farmer. – Brenda Schoep

Rajasthan

Total projects sanctioned	61
Ongoing	23
Completed	38
Families benefitted	51005
Area covered (acre)	47884
Amount sanctioned (Rs. crore)	194.34
Amount disbursed (Rs. crore)	148.09

RAJASTHAN



परंपरागत खेती से वाड़ी का सफर

परियोजना का स्थान: रेओदर, सिरोही

लाभार्थी: कपूरा राम


इम्प्लेमेंटिंग संस्था: बीआयएसएलडी

हस्तक्षेप

- परंपरागत खेती से परिवर्तित होकर फलदार पौधों की वाड़ी स्थापना
- खरबूजे व अन्य सब्जियों की इंटरक्रोपिंग
- तकनीकी जानकारी एवं प्रशिक्षण
- ऑर्गेनिक खाद, दवाई व सब्जी के बीज, कृषि उपकरण, आदि दिया गया
- बागवानी विभाग से पौली मलचिंग, टपकन सिंचाई के लिए सब्सिडी के रूप में सहायता दिलवाई गयी

नतीजा

- वाड़ी परियोजना की वजह से ही कपूराराम को खेती में नयी तकनीक की जानकारी मिली तथा परंपरागत खेती छोड़कर बागवानी को अपनाया
- कपूराराम अपने गाँव वासी किसानो को प्रेरित कर रहे है तथा उनकी प्रगति को देख कर गाँव के दूसरे किसानो ने भी परंपरागत खेती से आधुनिक एवं बागवानी की तरफ रुख किया है



- आदिवासी विकास परियोजना से जुड़ने के बाद अपने खेतो में सिंचाई हेतु बोरवेल खुदवाया
- आमदनी में बढ़ोतरी
- प्रथम वर्ष में खरबूजे व सब्जी के उत्पादन से लगभग रु150000 की आमदनी हुई
- दूसरे वर्ष में खरबूजे व सब्जी के उत्पादन से रु250000 से रु300000 की आमदनी हुई

बंजर ज़मीन को उपजाऊ बना देता हूँ, मैं एक किसान हूँ, चैन से कहाँ सो पाता हूँ? – अनाम

Sikkim

Total projects sanctioned	08
Ongoing	04
Completed	04
Families benefitted	2608
Area covered (acre)	2562
Amount sanctioned (Rs. crore)	13.29
Amount disbursed (Rs. crore)	10.45

SIKKIM



Management of fruit fly menace in wadi

Project location: Lum Village, Lower Dzongu, Mangen, North Sikkim

Total beneficiaries: 568 tribal farmers

Implementing agency: KVK, North Sikkim

Interventions

- Provided solutions for production issues in Sikkim Mandarin
- Protection of wadi from fly infestation
- Creation of awareness through demonstrations on fruit drop management of Mandarin
 - ✓ picking of fallen, fly infested fruits and dumping in poly drum
 - ✓ cover the poly drum with a layer of kerosene so that the maggots and flies die due to suffocation
 - ✓ disposal of same away from the orchard area

Outcome

- Awareness created among the Sikkim Mandarin growing farmers of North Sikkim
- Problem of Mandarin fruit fly has been managed largely
- Average increase in yield is now more than 44%
- Income
 - ✓ Pre-interventions: ₹4,53,000/ha
 - ✓ Post-interventions: ₹11,10,000/ha



Agriculture is a fundamental source of national prosperity - J. J. Mapes

Tamil Nadu

Total projects sanctioned	26
Ongoing	14
Completed	08
Families benefitted	13172
Area covered (acre)	9797
Amount sanctioned (Rs. crore)	61.22
Amount disbursed (Rs. crore)	40.49

TAMIL NADU



Orchard of hope and prosperity

Project location: Jawadhu Hills, Thiruvannamalai district
Beneficiary: Mr. Chinnaboochi of Thumbakadu
Implementing agency: Srinivasan Services Trust

- Interventions**
- Developed wadi of mango and guava on three acres
 - Adopted organic farming practices
 - Dairy based micro enterprise developed through convergence
 - Diversified cropping

- Outcome**
- Wadi and dairy became full-time activity
 - Organic farming practices increased productivity of land
 - Sufficient income generated through wadi and milch animal
 - Improvement in livelihood
 - Additional income through crop diversification
 - Encouraged to expand the wadi through gap filling at own cost



Farming is not a battle against nature, but a partnership with it. It is respecting the basics of nature in action and ensuring that they continue - Jeff Koehler

TELANGANA

Total projects sanctioned	39
Ongoing	10
Completed	27
Families benefitted	22982
Area covered (acre)	20334
Amount sanctioned (Rs. crore)	102.35
Amount disbursed (Rs. crore)	68.81



Project location: Atmakur Mandal of district Wanaparthy

Beneficiary: Shri N. Thukaram Naik

Implementing agency: Society for Integration and Rural Development

Interventions

- Developed wadi of mango and sapota
- Developed water sources through borewell, percolation tanks, open dugwell etc.
- Crop diversification

Outcome

- Earning ₹84000 / per year from one acre of land
 - ✓ Groundnut in Rabi: ₹54000
 - ✓ Mango: ₹22500
 - ✓ Vegetables: ₹7500
- Addressed distress migration
- Addressed the issue of keeping land fallow due to delayed monsoon



A farmer is a magician who produces money from the mud - Amit Kalantri

Uttar Pradesh

Total projects sanctioned	31
Ongoing	27
Completed	04
Families benefitted	18104
Area covered (acre)	16304
Amount sanctioned (Rs. crore)	90.90
Amount disbursed (Rs. crore)	61.49

UTTAR PRADESH



Diverse dreams - diverse livelihoods

Project location: Sonebhadra

Total beneficiaries: 1050 tribal families

Implementing agencies: REACT & MDSS

Interventions

- Developed wadi of mango
- Developed vegetable nursery
- Developed low cost vermi compost units

Outcome

- Mango started fruiting and providing income to participating families
- Easy availability of vegetable saplings
- Availability of organic manure increased



Most farmers know that their children's future will probably not be in agriculture, but they have a hard time imagining a different life - Abhijit Banerjee

Uttarakhand

Total projects sanctioned	09
Ongoing	04
Completed	05
Families benefitted	4045
Area covered (acre)	4001
Amount sanctioned (Rs. crore)	15.06
Amount disbursed (Rs. crore)	11.34

UTTARAKHAND



Wadi! The Brand of prosperity

<p>Project location: Chakrata, Dehradun district</p> <p>Total beneficiaries: 500 tribal beneficiaries</p> <p>Implementing agency: Sri Nanda Devi Mahila Lok Vikas Samiti (SNDMS)</p>	<p>Outcome</p> <ul style="list-style-type: none">• Generation of sustainable source of income• Marketing apple grown in wadi after proper packaging and branding
<p>Interventions</p> <ul style="list-style-type: none">• Establishment of wadi of apple, pear and pomegranate• Branding, packaging and marketing of apple	



Agriculture involves crop husbandry, animal husbandry, forestry and fisheries. Your income will go up only if you look at the system, and not from one crop alone - M. S. Swaminathan

West Bengal

Total projects sanctioned	58
Ongoing	27
Completed	31
Families benefitted	32242
Area covered (acre)	30360
Amount sanctioned (Rs. crore)	151.95
Amount disbursed (Rs. crore)	114.01

WEST BENGAL



Even the toughest land can bear fruits

<p>Project location: Sukna Village, Birbhum district</p> <p>Beneficiary: Rani Tudu</p> <p>Implementing agency: Angargaria Srijoni Siksha Niketan</p>	<p>Outcome</p> <ul style="list-style-type: none">• Waste land converted into productive asset• Self-reliance through sustainable income• Multiple cropping in a year• Hassle free marketing of products through FPO formed by PIA
<p>Interventions</p> <ul style="list-style-type: none">• Developed wadi of mango and cashew in one acre area• Intercropping with brinjal, beans, pumpkin, turmeric, chilly, etc.• Drumsticks used as boundary crop	



In agriculture, whatever you plan and execute takes 2-3 years to have an impact - Sharad Pawar





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