



NABARD

प्रयाण

**EMPOWERING RURAL COMMUNITY
ENRICHING LIVES**

“A Journey Towards Prosperity”



परिकल्पना

ग्रामीण समृद्धि के लिए राष्ट्रीय विकास बैंक

VISION

DEVELOPMENT BANK OF THE NATION FOR FOSTERING RURAL PROSPERITY

उद्देश्य

सहभागिता, संधारणीयता और समानता पर आधारित वित्तीय और गैर-वित्तीय सहयोगों, नवोन्मेषों, प्रौद्योगिकी और संस्थागत विकास के माध्यम से समृद्धि लाने के लिए कृषि और ग्रामीण विकास का संवर्धन

MISSION

PROMOTE SUSTAINABLE AND EQUITABLE AGRICULTURE AND RURAL DEVELOPMENT THROUGH PARTICIPATIVE FINANCIAL AND NON-FINANCIAL INTERVENTIONS, INNOVATIONS, TECHNOLOGY AND INSTITUTIONAL DEVELOPMENT FOR SECURING PROSPERITY.

Foreword

Uttar Pradesh is the most populous and fourth largest state of India. Uttar Pradesh has emerged as the second-largest economy in India with a 9.2% share in the country's GDP. Agriculture is the predominant activity in the state. However, agriculture in Uttar Pradesh faces the challenge of small landholding, low productivity, poor market access, low value addition coupled with huge post-harvest losses.

Climate change has emerged as one of the issues and acts as a risk multiplier for vulnerable segments of society, especially those reliant on agriculture and allied activities. Since the early 1990s, NABARD has taken several initiatives to promote sustainable livelihoods by nurturing Natural Resource Management (NRM)-related activities in various parts of the country including Uttar Pradesh, among which impact of Tribal Development Projects and Watershed Development Projects are notable.

NABARD, UP RO has sanctioned projects which include 70 Watershed Development Projects covering more than 50,000 ha. of treatable area, and 39 Tribal Development Projects covering more than 20,000 tribal families. Special focus has been given to the most vulnerable segments and regions. Due to the unique geographical conditions in the Bundelkhand region, more than two-thirds of the Watershed projects are situated in this region. These projects have positively impacted the lives of people in rural areas through creation of sustainable livelihood opportunities leading to the socio-economic development of the most vulnerable segment of the society.

The present publication is an attempt to capture the success stories depicting the significant impact of Tribal Development Projects and Watershed Development Projects supported by NABARD in Uttar Pradesh.

Pankaj Kumar
Chief General Manager
NABARD, Uttar Pradesh

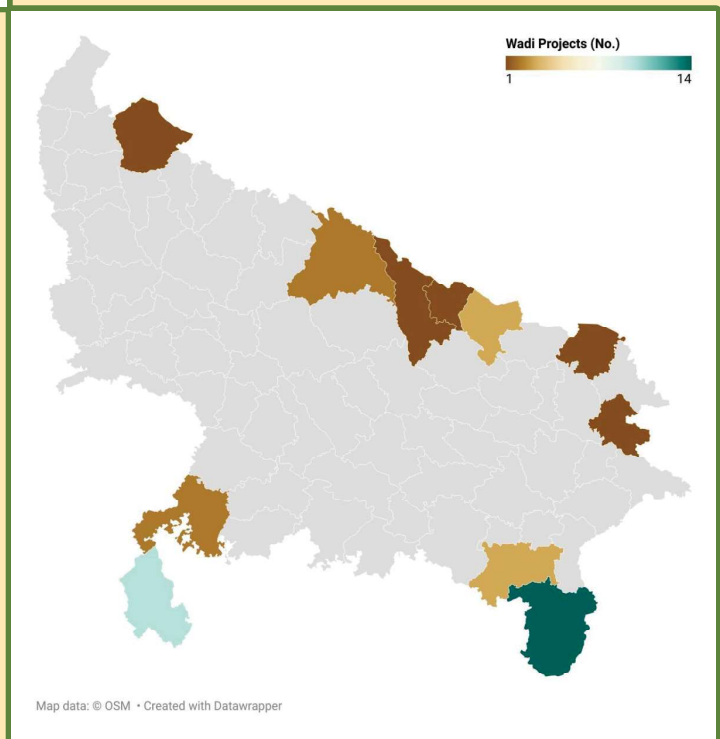
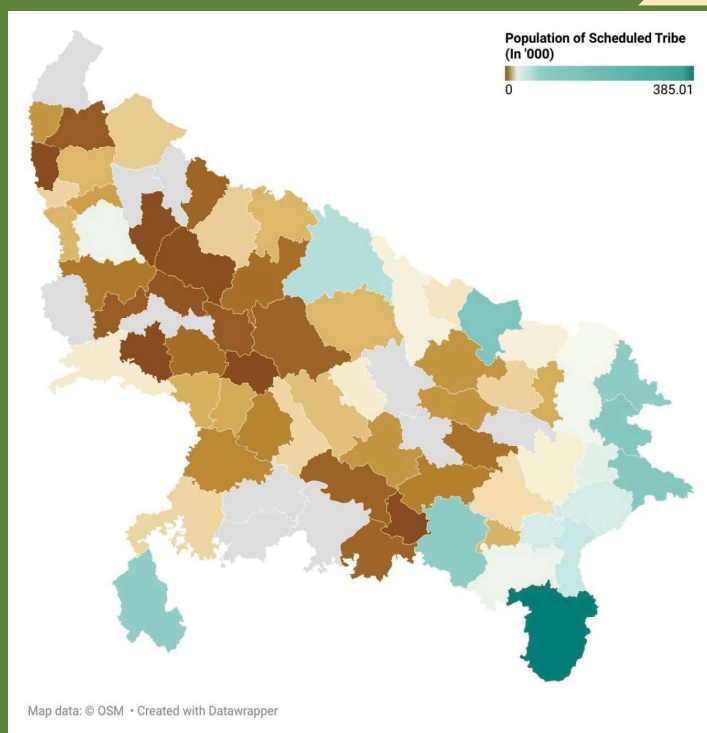
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LREDP

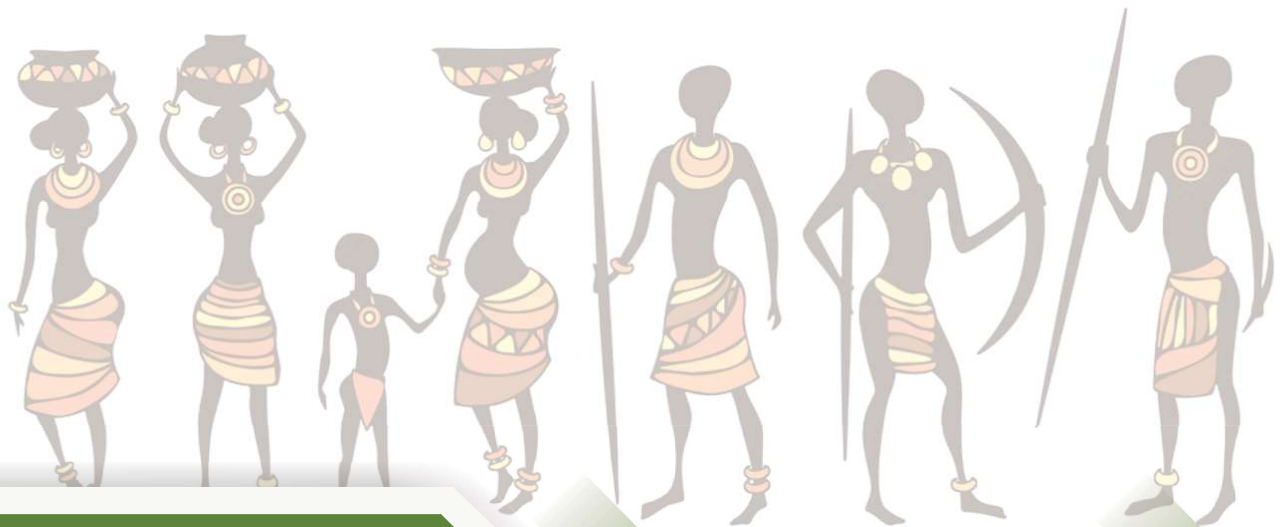
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TRIBES

Tribal Resilience Initiative for Building
Environmentally Sustainable Livelihoods

**UNDER
TRIBAL DEVELOPMENT FUND**



MY ORCHARD, MY FORTUNE

PROJECT DETAILS

IMPLEMENTING AGENCY	: MANVIYA DRISTIKON SEWA SAMITI
PROJECT NAME	: GHORAWAL, SONEBHADRA
BENEFICIARY DETAILS	: 450 ORCHARDS + 50 LIVELIHOOD INTERVENTION UNITS
NABARD GRANT	: 256.83 LAKH
COMMENCEMENT	: 2017-18

BENEFICIARY DETAILS

NAME	: MR. RAM SINGH
VILLAGE	: JUDONI COLONI
BLOCK	: GHORAWAL
DISTRICT	: SONEBHADRA

PROJECT INTERVENTIONS

- 01-ACRE ORCHARD DEVELOPMENT WITH MANGO AND GUAVA
- IRRIGATION FACILITY : DUG WELL AND BOREWELL
- SEEDS FOR INTERCROP
- TRAINING ON GOOD AGRICULTURAL PRACTICES AND EXPOSURE VISIT

IMPACT

- CROP DIVERSIFICATION – TRADITIONAL MONOCROP TO MULTICROPS SUCH AS AGRI-HORTI-SILVI CROPS MODEL
- THE FARMER IS GETTING AN AVERAGE ADDITIONAL INCOME OF RS. 55,000/- ANNUALLY
- VEGETABLES AND PULSES AS INTERCROPS PROVIDE NUTRITION TO THE FAMILY AND ENSURE REGULAR INCOME THROUGHOUT THE YEAR
- REDUCTION IN MIGRATION TENDENCY OF THE FARMER



INTERCROP: FROM SOIL TO SOUL

PROJECT DETAILS

IMPLEMENTING AGENCY	: SAI JYOTI GRAMODYOG SAMAJ SEVA SAMITI
PROJECT NAME	: BIRDHA II, LALITPUR
BENEFICIARY DETAILS	: 500 ORCHARDS + 50 LIVELIHOOD INTERVENTION UNITS
NABARD GRANT	: 247.10 LAKH
COMMENCEMENT	: 2017-18

BENEFICIARY DETAILS

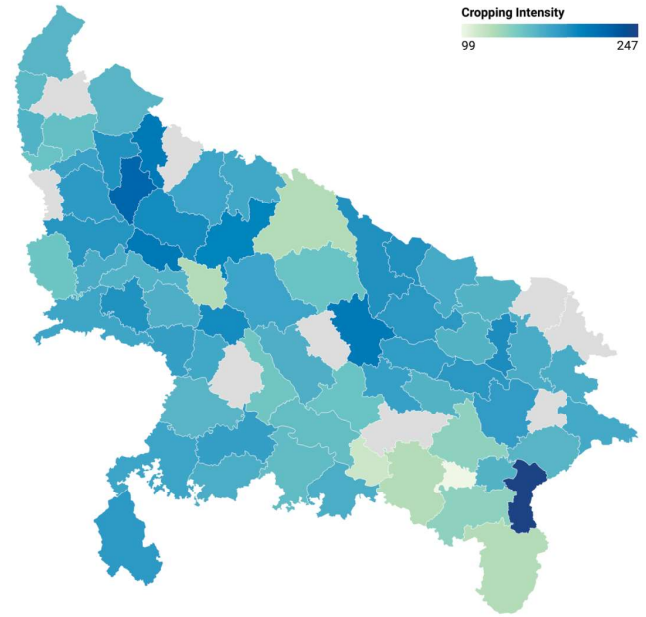
NAME	: MR. JAGBHAN
VILLAGE	: ERAWNI
BLOCK	: BIRDHA
DISTRICT	: LALITPUR

PROJECT INTERVENTIONS

- 1 ACRE ORCHARD DEVELOPMENT WITH GUAVA AND LEMON.
- SEED FOR INTERCROPS
- IRRIGATION FACILITY – BORE WELL AND PIPE LINE.
- TRAINING ON GOOD AGRICULTURAL PRACTICES AND EXPOSURE VISIT

IMPACT

- CROP DIVERSIFICATION – WHEAT TO HORTICULTURAL CROPS (FRUITS AND VEGETABLES).
- THE FARMER IS GETTING AN ADDITIONAL INCOME OF RS. 60,000/- ANNUALLY.
- VEGETABLES AND PULSES AS INTERCROPS PROVIDE NUTRITION TO THE FAMILY AND ENSURE REGULAR INCOME THROUGHOUT THE YEAR.



Map data: © OSM • Created with Datawrapper



FROM SOIL TO SUCCESS: ORGANIC FARMING FOR A BRIGHTER FUTURE

PROJECT DETAILS

IMPLEMENTING AGENCY	: KAMALNAYAN JAMNALAL BAJAJ FOUNDATION
PROJECT NAME	: BAAR-CSR I, LALITPUR
BENEFICIARY DETAILS	: 500 ORCHARDS + 50 LIVELIHOOD INTERVENTION UNITS
NABARD GRANT	: 206.88 LAKH
COMMENCEMENT	: 2016-17

BENEFICIARY DETAILS

NAME	: CHANDAWLI BARI W/O PAPPU
VILLAGE	: SURI KHURD
BLOCK	: BAAR
DISTRICT	: LALITPUR

PROJECT INTERVENTIONS

- 1 ACRE ORCHARD DEVELOPMENT WITH MANGO, GUAVA AND LEMON.
- SEED FOR INTERCROPS
- IRRIGATION FACILITY – DRIP IRRIGATION, WELL AND PUMP SET WITH PIPE.
- TRAINING ON GOOD AGRICULTURAL PRACTICES AND EXPOSURE VISIT

IMPACT

- PRODUCTION COSTS DECREASED BY ALMOST 25%.
- WITH THE SUPPORT OF PFA, THE FARMER HAS BEEN MARKETING THE ORGANIC PRODUCTS TO THE TOWNSHIP OF BAJAJ ENERGY IN BAAR BLOCK. HE FETCHES ABOUT 15-20% ADDITIONAL PRICES OVER THE PREVAILING MARKET RATES.
- IT HELPS TO SUSTAIN ENVIRONMENT BY REDUCING POLLUTION.
- IT HELPS IN MAINTAINING AGRICULTURAL PRODUCTION AT A SUSTAINABLE LEVEL.
- IT REDUCES HUMAN AND ANIMAL HEALTH HAZARDS BY ELIMINATING THE CHEMICAL RESIDUES IN THE PRODUCT.



NUTRIENT-RICH SOIL, VIBRANT GROWTH

PROJECT DETAILS

IMPLEMENTING AGENCY	: SEARCH
PROJECT NAME	: DUDDHI, SONEBHADRA
BENEFICIARY DETAILS	: 500 +50 LIVELIHOOD INTERVENTION UNITS
NABARD GRANT	: 247.13 LAKH
COMMENCEMENT	: 2016-17

BENEFICIARY DETAILS

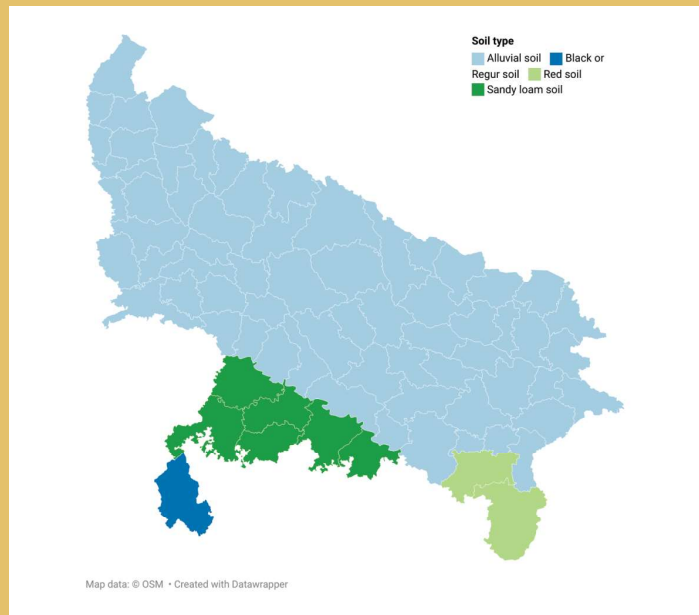
NAME	: BUDH SINGH
VILLAGE	: JHAROKHURD, DUDDHI
BLOCK	: DUDDHI
DISTRICT	: SONBHADRA

PROJECT INTERVENTIONS

- SETTING UP VERMICOMPOST UNIT
- SUPPORT FOR VEGETABLE CULTIVATION, NURSERY RAISING, VERMICOMPOSTING.
- FORMATION OF SHG, MICRO ENTREPRENEURSHIP FOR WOMEN
- TRAINING ON VERMICOMPOST, GOOD AGRICULTURAL PRACTICES AND EXPOSURE VISIT

IMPACT

- ENHANCED INCOME FROM ₹15000 TO ₹85,000.
- INCREASED CROP YIELD AND QUALITY.
- ENHANCED NUTRIENT AVAILABILITY.
- IMPROVED SOIL MICROBIAL ACTIVITY
- REDUCED PEST AND DISEASE PRESSURE
- COST –EFFECTIVE AND SUSTAINABLE ORGANIC MANURE



WATERING THE ROOTS OF SUCCESS

PROJECT DETAILS

IMPLEMENTING AGENCY	: VIDHAN
PROJECT NAME	: DUDDHI & KONE, SONBHADRA
BENEFICIARY DETAILS	: 450 ORCHARDS + 50 LIVELIHOOD INTERVENTION
NABARD GRANT	: 334.48 LAKH
COMMENCEMENT	: 2021-22

BENEFICIARY DETAILS

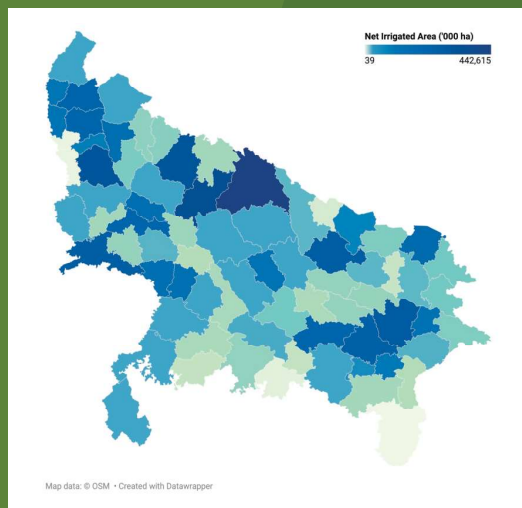
NAME	: CLUSTER OF 25 FARMERS
VILLAGE	: GOITHA (CHATTARPUR)
BLOCK	: DUDDHI & KONE
DISTRICT	: SONEBHADRA

PROJECT INTERVENTIONS

- BORE WELL WITH SUBMERSIBLE FOR IRRIGATION ACTIVITIES.
- PROMOTION OF MICRO IRRIGATION TECHNIQUES SUCH AS SPRINKLER SET AND DRIP IRRIGATION.
- PROMOTION OF RENEWABLE ENERGY SUCH AS SOLAR-PUMP SET
- DEVELOPMENT OF FARM POND AND JALKUND TO ENSURE STORAGE AND CONTINUITY OF WATER SUPPLY.

IMPACT

- AVAILABILITY OF SUPPLY THROUGHOUT THE YEAR, THUS PROVIDING WATER FOR LIVESTOCK AND DOMESTIC PURPOSES.
- INCREASE IN WATER USE EFFICIENCY
- INCREASE IN THE PRODUCTIVITY OF THE ORCHARD AREA AND AS A RESULT, AN ADDITIONAL INCOME OF RS.50,000 PER ANNUM PER FARMER IS BEING REALIZED.
- ECOLOGICAL SUSTAINABILITY THROUGH REDUCING CARBON FOOTPRINTS.
- EFFECTIVE RAINWATER CONSERVATION THROUGH FARM POND AND JALKUND.
- INCREASE IN CROPPING INTENSITY FROM 90 TO 188 DUE TO INTERCROPPING



WHERE DREAMS COME TRUE

PROJECT DETAILS

IMPLEMENTING AGENCY : PURVANCHAL GRAMIN SEWA SAMITI
PROJECT NAME : GESARI, BALRAMPUR
BENEFICIARY DETAILS : 250 LIVELIHOOD INTERVENTION UNITS
NABARD GRANT : 150.41 LAKH
COMMENCEMENT : 2022-23

BENEFICIARY DETAILS

NAME : MRS. PARWATI DEVI
VILLAGE : KUSHAWA
BLOCK : GESARI
DISTRICT : BALRAMPUR

PROJECT INTERVENTIONS

- PROVIDED GOAT UNIT (5 FEMALE AND 1 MALE).
- TRAINING ON GOAT REARING PRACTICES.
- GRANT SUPPORT FOR INSURANCE PREMIUM FOR ONE YEAR, FEEDING MATERIAL.
- VACCINATION CAMPAIGN AND VETERINARY CAMPS

IMPACT

- THE HERD SIZE HAS INCREASED FROM 06 TO 10 (08 FEMALE AND 02 MALES) IN LESS THAN 02 YEARS
- THE BENEFICIARY HAS EARNED AN ADDITIONAL ANNUAL INCOME OF RS .60000/- AND BECOME SELF -RELIANT
- THE BENEFICIARY IS NO LONGER MIGRATING TO THE CITIES FOR LIVELIHOOD.

HARVESTING QUALITY, PROCESSING WITH CARE

PROJECT DETAILS

IMPLEMENTING AGENCY : ISHARA SHRI GAYATRI VIKAS SAMITI
PROJECT NAME : MADAWARA, LALITPUR
BENEFICIARY DETAILS : 500 ORCHARDS + 50 LIVELIHOOD INTERVENTION
NABARD GRANT : 216.06 LAKH
COMMENCEMENT : 2014-15

BENEFICIARY DETAILS

NAME : RAGHVEER
VILLAGE : VIGHAI
BLOCK : MADAWARA
DISTRICT : LALITPUR

PROJECT INTERVENTIONS

- ESTABLISHMENT OF PROCESSING UNIT
- PULSE AND MILLETS PROCESSING
- AWARENESS PROGRAM, TRAINING, CAPACITY BUILDING.
- MARKET LINKAGE
- ESTABLISHMENT OF FPO

IMPACT

- INCREASED INCOME – CONVERTING RAW AGRICULTURE PRODUCTS INTO VALUE ADDED PRODUCTS, AGRO PROCESSING UNIT SIGNIFICANTLY INCREASES THE INCOME OF FARMERS.
- ON AN AVERAGE, THE FARMERS HAVE BEEN EARNING AN ADDITIONAL INCOME OF RS.5000 PER MONTH.
- PRESERVATION OF PERISHABLE GOODS- AGRO PROCESSING TECHNIQUES HELP PRESERVE PERISHABLE AGRICULTURE PRODUCTS.
REDUCED POST- HARVEST LOSSES.
NUTRITIONAL SECURITY – PRODUCING FORTIFIED AND VALUE-ADDED FOOD PRODUCTS, THIS UNIT CONTRIBUTES TO NUTRITIONAL FOOD SECURITY.



STITCHING DREAMS INTO REALITY

PROJECT DETAILS

IMPLEMENTING AGENCY : PURVANCHAL GRAMIN SEWA SAMITI
PROJECT NAME : GESARI, BALRAMPUR
BENEFICIARY DETAILS : 250 LIVELIHOOD INTERVENTION UNITS
NABARD GRANT : 150.41 LAKH
COMMENCEMENT : 2022-23

BENEFICIARY DETAILS

NAME : SMT. AABHA
VILLAGE : SONGHARA (MUTEHRA)
BLOCK : GESARI
DISTRICT : BALRAMPUR

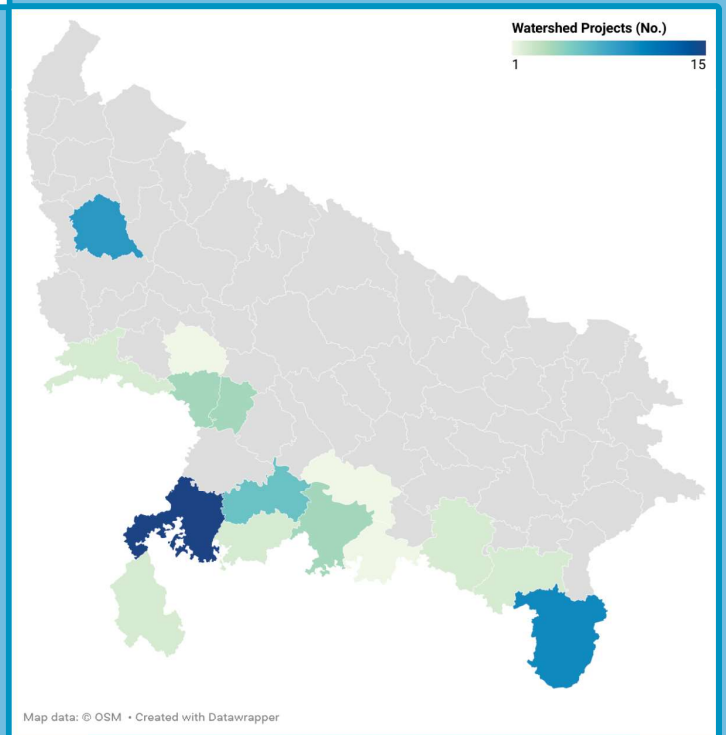
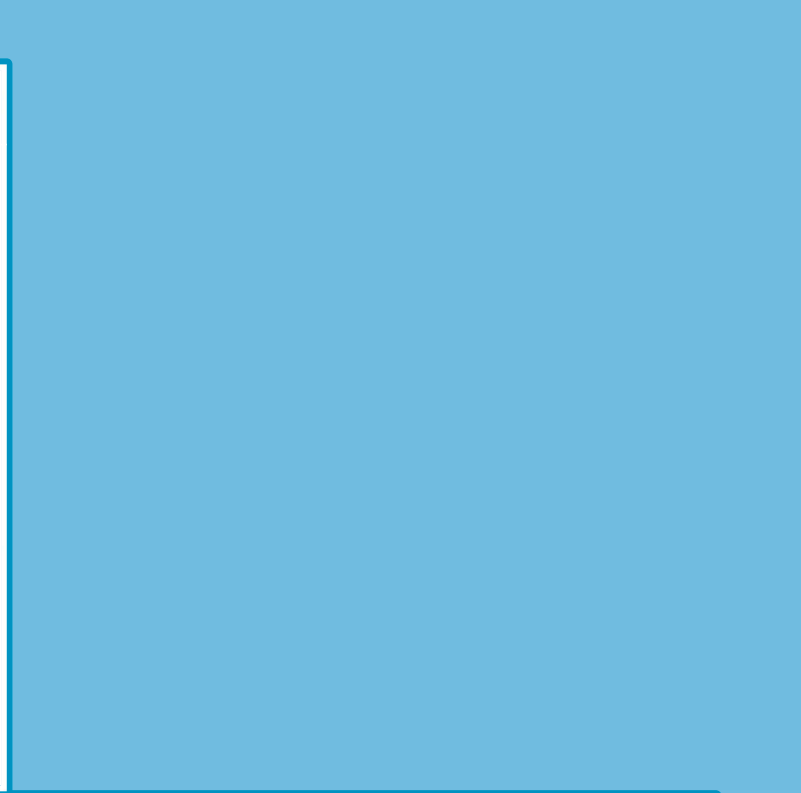
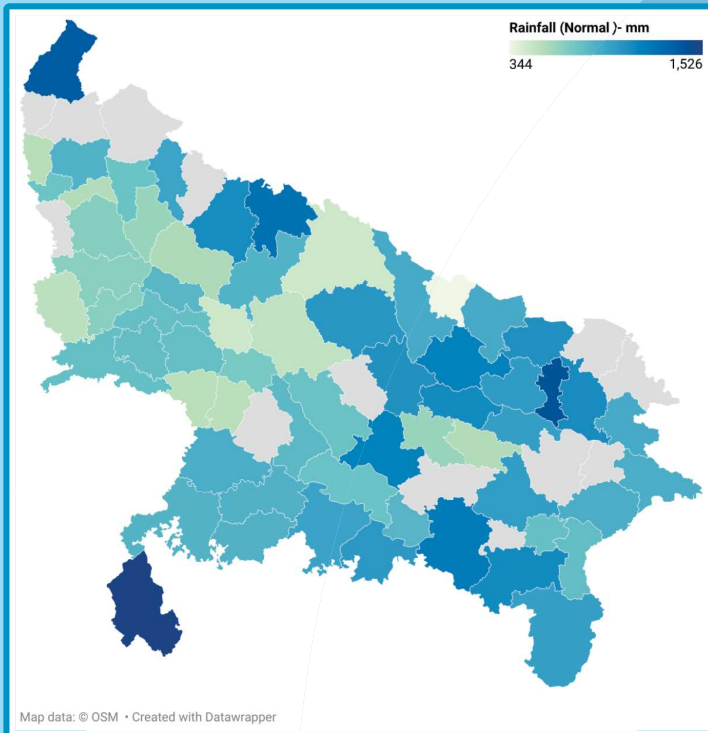
PROJECT INTERVENTIONS

- TRAINING TO TRIBAL WOMEN ON TAILORING AND EMBROIDERY.
- SUPPORT FOR SEWING MACHINE.
- SUPPORT FOR PURCHASING RAW MATERIALS IN INITIAL STAGE.

IMPACT

- HOUSEWIFE TURNED INTO AN ENTREPRENEUR.
- EARNING A REMUNERATION OF APPROX. RS.6000 PER MONTH.
- PROVIDING EMPLOYMENT TO 10 FELLOW MEMBERS
- ENHANCED SELF-ESTEEM.
- PLANNING TO SET UP A PROPER WORKSTATION WITH SUPPORT FROM BANK CREDIT





LREDP

Landscape Based Regenerative Resilient
Rainfed Ecosystem Development Programme

**UNDER
WATERSHED DEVELOPMENT FUND**



KEEPING THE SOIL ALIVE: CONSERVE MOISTURE, CULTIVATE GROWTH

NAME OF THE INTERVENTION- AREA TREATMENT INTERVENTION

NAME OF PROJECT : JOGERNALA WATERSHED
PROJECT FACILITATING AGENCY : SOCIAL ACTION FOR RURAL DEVELOPMENT (SARDA)
PROJECT LOCATION : RAJGHAR BLOCK, MIRZAPUR.

CHALLENGES OF PRE IMPLEMENTATION OF INTERVENTION

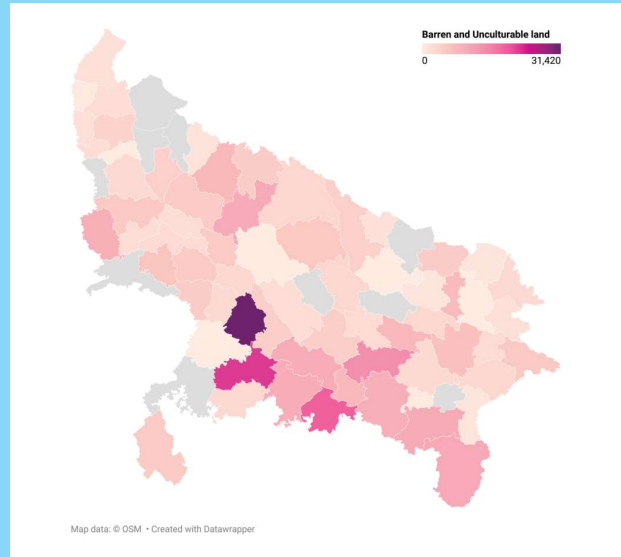
- COMMUNITY PARTICIPATION
- HIGH RATE OF SOIL EROSION
- REGULAR FAMILY MIGRATION
- INCREASE IN TEMPERATURE.
- LACK OF AVAILABILITY OF WATER
- LOW CROP PRODUCTION
- INCREASE IN FALLOW CULTIVABLE LAND
- LACK OF AWARENESS & KNOWLEDGE OF WATER MANAGEMENT.

IMPLEMENTATION OF INTERVENTIONS

- SCT
- EGP
- NEW FARM POND
- PROVIDE THE TRAINING CUM EXPOSURE VISIT ON SOIL AND WATER CONSERVATIONS MODELS.
- WAT
- PLANTATION
- TCB
- GRASS SEEDING
- FARM BUND
- POND RENOVATION

OUTCOMES AND IMPACT

- THE 174 HECTARES OF LAND HAVE BEEN TREATED UNDER THE PROJECT WITH SEVERAL INTERVENTIONS AS ABOVE-MENTIONED. THE RECENT ANNUAL RAINFALL IS 1043 MM IN WHICH 85% (VOLUME IS 15,42,597 M3 OR 15,425.97 LAKH LITRES) OF TOTAL AMOUNT OF RAINFALL IS CONSERVE THROUGH THE TREATMENTS AND 15% OF RAINWATER IS LOSS IN EXCESS RUNOFF.
- CROPPING INTENSITY IS INCREASED.
- FARMER GETTING HIGHER RETURN FROM THE CROPS AND DIRECT IMPACT ON FARMER'S INCOME.
- DECLINE IN MIGRATION
- DRYNESS PERIOD OF DUG WELL IS REDUCE.
- DURATION OF WATER FLOWING IN THE DRAIN IS INCREASED.
- WATER USE EFFICIENCY IS INCREASED.
- IMPROVEMENT IN SOIL HEALTH/SOIL FERTILITY.



DRUM CHECK DAM: CONSERVING WATER THE ECONOMIC WAY

NAME OF THE INTERVENTION- DRUM CHECK DAM

NAME OF PROJECT : SAGOBAND WATERSHED
PROJECT FACILITATING AGENCY : BANWASI SEVA ASHRAM
PROJECT LOCATION : MYORPUR BLOCK, SONBHADRA.

CHALLENGES OF PRE IMPLEMENTATION OF INTERVENTION

- WATER SCARCITY.
- REGULAR FAMILY MIGRATION.
- DEEPENING OF GULLY.
- LOW AGRICULTURAL PRODUCTIVITY.
- SOIL EROSION.
- INCREASE IN TEMPERATURE.

IMPLEMENTATION OF INTERVENTIONS

- CONSTRUCTION OF DRUM CHECK DAM TO STORE THE RUNOFF WATER IN 165 M CHANNEL (VOLUME OF WATER APPROXIMATELY IS 1584 CUM OR 15.84 LAKH LITRES)
- THE LOCAL COMMUNITY HAS BEEN PROVIDED TRAINING ON WATER MANAGEMENT AND EFFICIENT USE OF WATER..

OUTCOMES AND IMPACT

- DRYNESS PERIOD OF NEARBY DUG WELLS HAS REDUCED.
- REVIVAL OF STREAM/DURATION OF FLOW HAS INCREASED AND WATER TABLE IS RECHARGED.
- INCREASE IN FARMER INCOME APPROX. ₹ 20000 TO ₹ 22000/ACRE DUE TO INCREASE IN WATER AVAILABILITY.
- CHANGE IN CROPPING PATTERN AND INCREASE IN CROPPING INTENSITY.
- DECLINE IN MIGRATION.
- 08 FARMERS HAVING 8 ACRES OF LAND NEAR DCD USE THIS WATER TO IRRIGATE THE FIELDS AND OTHER USES.



MUSHROOM: TURNING WASTE INTO PROSPERITY

NAME OF THE INTERVENTION- MUSHROOM CULTIVATION

NAME OF THE FARMER : MR. BHARAT SINGH RAJAK
NAME OF PROJECT : GIRAR WATERSHED
PROJECT FACILITATING AGENCY : ISHARA SHRI GAYTRI VIKAS SAMITI
PROJECT LOCATION : MADAWARA BLOCK, LALITPUR.

CHALLENGES OF PRE IMPLEMENTATION OF INTERVENTION

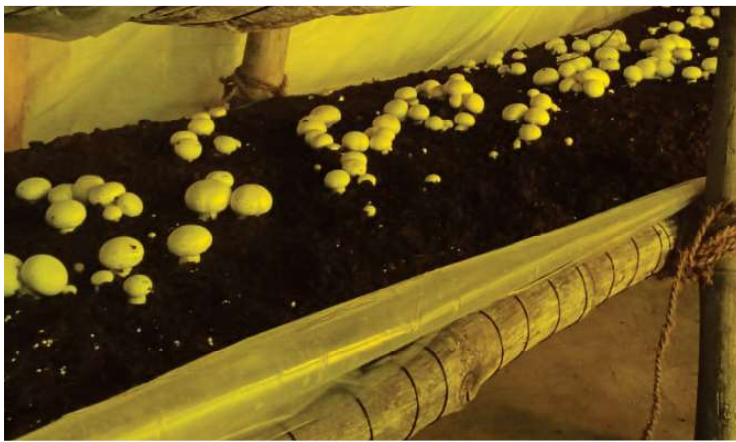
- UNEMPLOYMENT
- LACK OF KNOWLEDGE & AWARENESS
- LOW RISK-TAKING CAPACITY
- REGULAR MIGRATION TO OTHER STATE

IMPLEMENTATION OF INTERVENTIONS

- MR. BHARAT SINGH RAJAK WAS SELECTED FOR THE PROMOTION OF MUSHROOM CULTIVATION.
- HE WAS PROVIDED CAPACITY BUILDING AND TRAINING CUM EXPOSURE VISIT.

OUTCOMES AND IMPACT

- MR. BHARAT SINGH RAJAK HAS NOW STARTED A SMALL MUSHROOM CULTIVATION UNIT IN HIS OWN HOUSE WITH LOW INPUT COST.
- HE HAS EARNED ₹15,000 IN FIRST TIME OF HARVESTING.
- HE SCALED UP THE UNIT SIZE.
- NOW HE IS EARNING ₹18,000-20,000/CYCLE OF HARVESTING.
- HE NO LONGER MIGRATES FOR WORK AND IS INSPIRING OTHERS TO SET UP SMALL ENTERPRISES FOR LIVELIHOOD.



POULTRY FARMING: CULTIVATING LIVELIHOODS, CURBING MIGRATION

NAME OF THE INTERVENTION - POULTRY FARMING

NAME OF THE FARMER : MR. RAMESH PRAJAPATI
NAME OF PROJECT : RAGAOULI WATERSHED
PROJECT FACILITATING AGENCY : MANVIYA DRISHTIKON SEVA SAMITI
PROJECT LOCATION : NAGAWA BLOCK, SONBHADRA.

CHALLENGES OF PRE IMPLEMENTATION OF INTERVENTION

- LACK OF REGULAR EMPLOYMENT.
- REGULAR MIGRATION TO OTHER STATE.

IMPLEMENTATION OF INTERVENTIONS

- MR. RAMESH PRAJAPATI HAS BEEN SELECTED FOR POULTRY FARMING BASED ON HIS PREVIOUS EXPERIENCE IN POULTRY FARMING (500 BROILER CHICKS).
- TRAINING AND CAPACITY-BUILDING PROGRAM ON POULTRY FARMING AND BEST MANAGEMENT PRACTICES WAS PROVIDED.
- HEALTH CAMPS CONDUCTED AT VILLAGE LEVEL

OUTCOMES AND IMPACT

- MR. RAMESH PRAJAPATI, NOW LIVING AT HOME WITH THE FAMILY MEMBERS. NOW, HE HAS SCALED UP THE POULTRY FARM UPTO 1000 CHICKS CAPACITY. HE HAS SOLD THREE BATCH OF BIRDS TILL DATE. HE HAS EARNED PROFITS BETWEEN RUPEES 35000 TO 45000 IN EACH BATCH.
- THE BENEFICIARY IS NOW A SELF-EMPLOYED, SELF-RELIANT AND NO LONGER MIGRATES.



CHECK DAM: HARNESSING WATER FOR SUSTAINABLE AGRICULTURE

NAME OF THE INTERVENTION - CHECK DAM

NAME OF PROJECT : SAKRAR WATERSHED
PROJECT FACILITATING AGENCY : HARITIKA
PROJECT LOCATION : BANGRA BLOCK, JHANSI

CHALLENGES OF PRE IMPLEMENTATION OF INTERVENTION

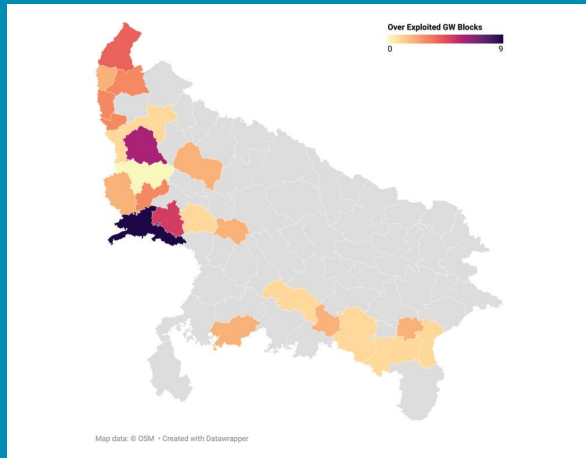
- WATER SCARCITY
- LOW PRODUCTIVITY
- MIGRATION
- SOIL EROSION
- INCREASE IN WASTE LAND
- INCREASE IN TEMPERATURE

IMPLEMENTATION OF INTERVENTIONS

- CONSTRUCTION OF 16 M CHECK DAM ON NAINA RIVER TO STORE THE RUNOFF WATER IN 925 M OF CHANNEL (VOLUME OF WATER APPROXIMATELY IS 17760 CUM OR 177.6 LAKH LITRES).
- THE LOCAL COMMUNITY HAS BEEN PROVIDED TRAINING ON WATER MANAGEMENT AND EFFICIENT USE OF WATER.

OUTCOMES AND IMPACT

- INCREASE IN IRRIGATED AREA, THE CHECK DAM HAS ENABLED IRRIGATION OF ADDITIONAL 65 HECTARES OF LAND.
- DRYNESS PERIOD OF NEARBY DUG WELLS HAS REDUCED.
- REVIVAL OF STREAM/DURATION OF FLOW HAS INCREASED AND WATER TABLE IS RECHARGED.
- INCREASE IN FARMER INCOME APPROX. ₹ 20000 TO ₹ 25000/ACRE DUE TO CHANGE IN CROPPING PATTERN AND INCREASE IN CROPPING INTENSITY.
- DECLINE IN MIGRATION.
- 25 ACRES OF BARREN/WASTELAND HAS BEEN CONVERTED INTO CULTIVABLE LAND.



EFFICIENT GROWTH: TRANSFORMING VEGETABLE CULTIVATION WITH DRIP IRRIGATION AND MULCHING TECHNIQUES

NAME OF THE INTERVENTION- DRIP IRRIGATION & MULCHING

NAME OF THE FARMER	: MR. PREM SINGH
NAME OF PROJECT	: RAGAOULI WATERSHED
PROJECT FACILITATING AGENCY	: PARMARTH SAMAJ SEVI SANSTHAN
PROJECT LOCATION	: ORAI BLOCK, JALAUN.

CHALLENGES OF PRE IMPLEMENTATION OF INTERVENTION

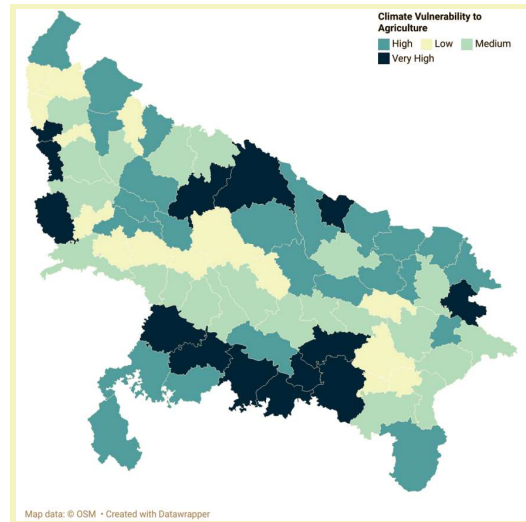
- LACK OF WATER AVAILABILITY
- LOW CROP PRODUCTION
- LOSS OF SOIL MOISTURE & SOIL NUTRIENTS
- CROP WATER REQUIREMENT IS MORE
- INPUT COST IS HIGH

IMPLEMENTATION OF INTERVENTIONS

- MR. PREM SINGH HAS BEEN SELECTED FOR THE PROMOTION OF DRIP IRRIGATION & MULCHING IN A ONE-ACRE LAND.
- TRAINING AND CAPACITY-BUILDING PROGRAM ON EFFICIENT USE OF WATER AND MOISTURE CONSERVATION THROUGH THE MULCHING WERE PROVIDED.

OUTCOMES AND IMPACT

- MR. PREM SINGH, NOW GROWING THE VEGETABLE CROPS LIKE CHILLI, WATERMELON, CABBAGE ETC.
- REDUCE WATER REQUIREMENT.
- LOW INPUT COST
- HE IS EARNING ₹35000 TO ₹40000/ACRE.
- IMPROVEMENT IN SOIL HEALTH AND SOIL FERTILITY.
- HE HAS SCALED UP THE DRIP IRRIGATION & MULCHING FARMING COVER TO 04 HECTARE.



BRIDGING THE GAP: AFFORDABLE FARM MACHINERY FOR SMALL FARMERS

NAME OF THE INTERVENTION- CUSTOM HIRING CENTRE

NAME OF PROJECT : BONDA, & MAGARWARA WATERSHEDS

PROJECT FACILITATING AGENCY : HARITIKA.

PROJECT LOCATION : BANGRA BLOCK- JHANSI.

CHALLENGES OF PRE IMPLEMENTATION OF INTERVENTION

- LACK OF FARM IMPLEMENTS.
- INPUT COST IS HIGHER.
- BURNING OF THE CROP RESIDUE.
- DELAY IN CROP SOWING.
- LOSS OF ECONOMIC RESOURCES.
- WATER USE EFFICIENCY IS LOWER.

IMPLEMENTATION OF INTERVENTIONS

- ESTABLISHED THE CUSTOM HIRING CENTRE.
- THE LOCAL COMMUNITY HAS BEEN PROVIDED TRAINING ON REGARDING THE OPERATING & DEMONSTRATION OF MORDEN TECHNOLOGY IMPLEMENTS.

OUTCOMES AND IMPACT

- MORE THAN 1000 FARMERS ARE BENEFITED.
- FARMERS ARE SOWING CROPS TIMELY.
- COST OF PLOUGHING IS COMPARATIVELY LESS.
- CONSERVE THE CROP RESIDUE THROUGH THE REAPER.
- IMPROVED THE SOIL HEALTH.
- CONSERVE THE MOISTURE AS A PRE IRRIGATION.
- CLIMATE RESILIENCE.
- IMPROVED CROP PRODUCTION.
- ENHANCED THE FARMER INCOME GRADUALLY.





NABARD

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