

ISAP INDIA FOUNDATION

Annual Impact Report

FY 2024–25 | April 2024 – March 2025



Building Resilient Agricultural Livelihoods Across India

Sustainable Agriculture · Environmental Conservation · Rural Livelihoods

CSR Partners: CNH Industrial · D.E. Shaw India Pvt. Ltd. · Fujitsu India · HDFC Bank
Parivartan · Case New Holland Construction Equipment India

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Message from Leadership

FY 2024–25 stands as one of the most expansive years in ISAP India Foundation's history. Across nine states and Union Territories — Uttar Pradesh, Haryana, Maharashtra, Madhya Pradesh, Andhra Pradesh, Karnataka, Punjab, Jammu & Kashmir, and Ladakh — our teams implemented nine concurrent programmes touching over 5,200 farmers, 55+ villages, and some of the most pressing environmental and livelihood challenges in rural India.

From eliminating stubble burning in Karnal's paddy belt and Bulandshahr's sugarcane fields to building walnut processing units in Kishtwar, from establishing Farmer Interest Groups across Kashmir's saffron valleys to transforming soil health in Dehu. FY 2024–25 reflects ISAP at its broadest and most impactful. What unites these programmes is a single conviction: lasting agricultural transformation requires science, community trust, and institutional partnership working together.

We are deeply grateful to CNH Industrial, D.E. Shaw India Pvt. Ltd., Fujitsu India, HDFC Bank Parivartan, and Case New Holland Construction Equipment India Pvt. Ltd. for making this work possible — and to the thousands of farming families across India whose courage and curiosity are the engine of everything we do.

Mr Bhaskar Natrajan

Chairman, ISAP India Foundation

About ISAP India Foundation

ISAP India Foundation (Enterprise4Impact) is a New Delhi-based development organisation working at the intersection of agriculture, livelihoods, and environmental sustainability. Since 2001, ISAP has grown into a multi-state implementation partner trusted by government agencies, ICAR institutions, and leading corporate CSR programmes.

Founded	2001
Headquarters	New Delhi, India
States of Operation	23 States across India
Farmer Reach (Cumulative)	1.2 Million+ Farmer Households
FPOs Supported	350+ Farmer Producer Organisations
Thematic Focus	Sustainable Agriculture · Agricultural Mechanisation · FPO Incubation · Rural Enterprise · Environmental Conservation · Women's Empowerment
CSR Partners (FY 2024–25)	CNH Industrial D.E. Shaw India Pvt. Ltd. Fujitsu India HDFC Bank Parivartan Case New Holland Construction Equipment India Pvt. Ltd.

FY 2024–25 at a Glance

9 States / UTs Active	9 Programmes	5,200+ Farmers Reached	55+ Villages Impacted
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5 CSR Partners	636+ Acres Baled	100% P0748 Targets Met	1,550 Sq.m Forest Planted
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Project 1 | Crop Residue Management — Bulandshahr, Uttar Pradesh

CSR Partner	MIS Support Centre Pvt. Ltd. (Moody's)
Location	Bulandshahr District, Uttar Pradesh
Target Crop	Sugarcane (Primary)
Farmers Reached	500+ across project villages
Land Covered	500+ acres under In-Situ CRM practices
Key Activities	10 Sensitization Trainings (IARI co-facilitated) · 4 Exposure Visits to ICAR Institutions · Super Seeder demonstrations

Problem & Approach

Bulandshahr district's sugarcane belt is trapped in a cycle of open-field residue burning — each tonne releasing 3 kg of particulate matter and 60 kg of CO, destroying soil microorganisms and entrenching chemical dependency. The CRM programme adopted a knowledge-first model: building genuine scientific conviction among farmers through IARI co-facilitated trainings and exposure visits to India's premier research institutions, not just distributing equipment.

Exposure Visits — Four Transformational Journeys

Indicator	Achievement	Status
ICAR-IARI Pusa, New Delhi	22 farmers Pusa Decomposer, hydroponic farming, yield forecasting models	Dec 2025 ✓
ICAR-IIWBR & IARI Karnal	22 farmers HD 3226, DBW 187 wheat; Happy Seeder; seed processing	Feb 17–18, 2026 ✓
ICAR-SBI Karnal	Sugarcane trash mulching (30% moisture saving); composting; drip irrigation	Feb 18, 2026 ✓
Pusa Kisan Mela 2026	150 farmers Modern machinery, CRM solutions, government schemes	Feb 25–26, 2026 ✓

Key Outcomes

500+ Farmers Reached	500+ Acres under CRM	10 Sensitization Trainings	4 Exposure Visits
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Farmer Voices

"It felt like there was no real alternative. The Super Seeder changed everything — in a single pass, the residue was managed and the land ready for sowing. My soil is softer and holds moisture better." — Manoj Kumar, Keswagadi Village

"What was once considered waste can become a valuable resource. Soil structure and moisture retention have measurably improved." — Rajendra Sharma, Nekpur Village



Project 2 | Project PEHEL — Sustainable Cane Cultivation Mechanization, Uttar Pradesh

CSR Partner	CNH Industrial
Locations	DCM Sugar Mill, Shahjahanpur & Dhampur Bio Sugar Mill, Asmoli, Sambhal — Uttar Pradesh
Model Farm Area	19 acres (DCM Shriram) + 25 acres (Dhampur Bio) = 44 acres total
Season	FY 2024–25 Sowing & Crop Management
Technology Partner	Plaksha University — Drone & satellite-based crop monitoring (Dr. Shashank Tamaskar)
Revenue Generated	₹11,250 from equipment rental services (17.9 acres served at DCM Shriram)
Equipment Deployed	NH 5620 (65HP), NH 3630 Super Plus, Sugarcane Harvester, Baler, Rotavator, Disc Harrow, 2-Row Sugarcane Planter

Programme Overview

Project PEHEL was launched to address two interlinked challenges in UP's sugarcane sector: the shortage of skilled manpower for advanced mechanisation, and the need for environmentally responsible practices. MoUs were formalised with both DCM Shriram and Dhampur Bio Sugar Mills before implementation. The project aims to promote entrepreneurship, sustainable mechanisation, and self-employment among youth farmers.

FY 2024–25 Season — All Activities Completed

Indicator	Achievement	Status
Land Preparation	Deep plowing, tilling, paleo irrigation, fungicide, cow dung manure — both locations	Feb–Mar 2025 ✓
Seed Selection	Quality seed from Sugar Mill/KVK; Hexaconazole/Carbendazim treatment; recommended varieties	Mar–Apr 2025 ✓
Sowing	Trench method with cane planters; 4 ft inter-row spacing; fertilizer applied simultaneously	Apr 10–20, 2025 ✓
Intercropping	Short-duration crops between sugarcane rows for additional farmer income	Apr–May 2025 ✓
Weed Control	Pre/post-germination management using Atrazine and SIMBA/Rotavator mechanical weeding	May 2025 ✓

Technology Innovation: GEO-Tagged & Drone Monitoring

GEO coordinates from all model farm plots were shared with Plaksha University for drone-based germination counting, satellite weed/stress mapping, and Pol sensor-based sugar content monitoring at maturity. Equipment rental was formalised with sugar mill approval — creating a sustainable local machinery service model and generating rental revenue for the programme.



Project 3 | CNH Cotton Project — HDPS Cotton Cultivation, Akola, Maharashtra

CSR Partner	CNH Industrial
Locations	Malwada & Morgaon villages, Balapur Tehsil, Akola District, Maharashtra; Fazalika, Punjab
Season	Kharif 2025 (June–November 2025)
Demo Area	10 acres (5 acres Malwada + 5 acres Morgaon)
Technology	High-Density Planting System (HDPS) Pneumatic Planter Mepiquat Chloride (PGR)
Technical Support	KVK Akola (soil testing) ICAR-CICR Nagpur (HDPS technology development)
Target Impact	20–30% yield increase 40% labour dependency reduction 200 farmers trained

Why HDPS?

India produces 25% of the world's cotton but yields only 433 kg/ha versus a global average of 768 kg/ha. HDPS — developed by ICAR-CICR Nagpur — increases plant density from 18,000–20,000 to 100,000–300,000 plants per hectare using early-maturing compact varieties (125–135 day maturity vs. 180–200 days), delivering 30–50% yield improvements while enabling mechanical harvesting and escaping late-season pest pressure.

All 10 Growth Phases Documented — Kharif 2025

Indicator	Achievement	Status
Phase 1–2: Sowing & Germination	Mechanised planting at Malwada (June 20); uniform seedling emergence at all plots	Jun 2025 ✓
Phase 3–4: Vegetative Growth	Second fertilizer dose applied; aphid/jassid populations exceeded ETL — first spray applied	Jul 2025 ✓
Phase 5–6: Square Initiation & Flowering	First Mepiquat Chloride application; 15–20 squares/plant; first flowers at Morgaon (Aug 16)	Aug 2025 ✓
Phase 7: Peak Flowering	Pheromone traps installed for Pink Bollworm; abundant flowering across canopy	Aug–Sep 2025 ✓
Phase 8–9: Boll Initiation & Development	10-day continuous rainfall caused waterlogging; fungal/whitefly management; third spray	Sep 2025
Phase 10: Boll Maturity	Good boll load; ~40% not fully opening due to boll rot from prolonged cloud/rain	Oct 2025

Season Challenge & Learning: Extended September rainfall caused waterlogging and boll rot affecting ~40% of bolls. Recommendation for next season: earlier prophylactic fungicide application, improved field drainage, and expanded pheromone trap density for Pink Bollworm.



Project 4 | Sustainable Environment Solutions (SES-3) — Stubble Baling Operations

CSR Partner	CNH Industrial
Geographies	Bulandsahar & Moradabad, Uttar Pradesh Nellore, Andhra Pradesh Sindanoor, Karnataka
Primary Focus	Elimination of stubble burning through mechanised round baling
Equipment Procured	2 x New Holland 3630-2WD TX (50HP) tractors delivered December 15, 2025
Equipment Supplier	Hanuman Motors, Kadapa District, Andhra Pradesh

Project Description

SES-3 introduces round balers as an economically viable alternative to open-field burning. Post-harvest crop residue is collected, compacted into bales, and channelled into value chains for animal feed, compost, or biofuel feedstock. GPS-tagged monitoring ensures accountability at every operation. The programme now spans four states, laying the foundation for a national-scale stubble management network.

Key Achievements — FY 2024–25

Indicator	Achievement	Status
New Equipment Deployed	2 New Holland 3630-2WD TX tractors (Nellore + Sindanoor)	✓ Delivered
Bulandsahar District — Baling	426 Acres completed — Target Exceeded	✓ Complete
Moradabad District — Baling	210 of 310 Acres (67.7% achievement)	In Progress
Total Acres Baled	636 Acres across UP operations	✓ Active
Market Linkages	Aggregator partnerships established for processed bale sales	✓ Active
GPS Monitoring	GPS-tagged documentation across all field operations	✓ Active

- Bulandsahar exceeded targets with no pre-set ceiling — strong farmer participation and operational efficiency aligned with the CRM programme in the same district
- New equipment in Nellore and Sindanoor represents ISAP's first presence in AP and Karnataka for stubble management — foundation for southern expansion
- Systematic bale collection and storage protocols established; quality standards maintained throughout harvest season



Project 5 | Harit Dhara II — Miyawaki Afforestation, Pithampur, Madhya Pradesh

CSR Partner	Case New Holland Construction Equipment India Pvt. Ltd.
Location	Around Sanjay Jalashaya (lake), Pithampur, District Dhar, Madhya Pradesh
Tenure	3 Years Stage I — Completion Report
Method	Miyawaki Dense Native Forest Plantation (Dr. Akira Miyawaki)
Area Planted	1,550 sq. metres
Plantation Date	September 18, 2025
Key Milestone	Forest visible in 10 years; full maturity in 20–30 years (vs. 200–300 years conventional)
Beneficiaries	Households and industries dependent on lake water in Pithampur's industrial belt

Stage I — 9-Step Land Preparation: Completed

Indicator	Achievement	Status
Area Marking & Excavation	150 ft buffer from June 2025 water level; hard murrom excavated to 500mm depth	✓ Complete
Soil Backfilling	Black cotton soil; aeration to 1,000mm for deep root development	✓ Complete
Cow Dung Application	28 tractor-loads of gobarkhad — nutrients, water retention, microbial activity	✓ Complete
Cocopeat Addition	Enhances soil-bed water retention capacity post cow-dung application	✓ Complete
Fertilizer Enrichment	Potash, Phosphorus, DAP, Neem Khali, Soya Stash — 30-month nutrient reserve	✓ Complete
Rotavator Mixing	All manures mixed to 500mm depth; regular watering initiated	✓ Complete
Matrix Grid Marking	3 ft row-to-row, centre-to-centre; zig-zag pattern for companion tree groupings	✓ Complete
Final Plantation	1,550 sq.m planted with native species on September 18, 2025	✓ Complete
Maintenance Phase	Regular watering, pit maintenance, early growth monitoring — ongoing	Active

A Miyawaki forest that would take 200–300 years to develop naturally will show visible results in 10 years and full maturity in 20–30 years. Stage I is complete; the plantation is now in active maintenance.



Project 6 | Sustainable CRM Demonstrations — Karnal District, Haryana

CSR Partner	D.E. Shaw India Private Limited
Location	Karnal District & Neighbouring Districts, Haryana — 15+ villages
Crops	Paddy, Mustard, Wheat, Sugarcane
Farmer Target	1,600 Farmers across 30 Villages (full project period)
Area Target	2,400 Acres over project period
FPO Partners	Horticulture Farmer Producer Company Nilokheri Farmer Producer Company
Technical Partners	KVK Karnal ICAR-IIWBR ICAR-IARI Regional Station Karnal Zydex (Godhan) Shaktimaan BBEA
Reporting Coverage	Oct–Dec 2025 (Q3 FY25) + Jan–Mar 2026 (Q4/Q1 FY26)

Problem Statement

Stubble burning in Karnal extends across paddy, wheat, mustard, and sugarcane residue streams. The practice causes severe winter air quality degradation affecting Delhi-NCR, depletes soil nutrients, and creates adverse respiratory and cardiovascular health outcomes. The programme employs a dual-action approach: in-situ incorporation through Super Seeders and biological decomposers (Godhan), and ex-situ collection through square balers for industrial value chains.

Cumulative Achievements — Both Quarters

Indicator	Achievement	Status
Total Farmers Engaged	950+ (800 Q3 FY25 + 150 Q4/Q1 FY26)	✓ Ongoing
Total Field Demonstrations	800+ (Paddy + Mustard)	✓ Complete
Acres Covered Under Demonstrations	800 Acres (Dec 2025 milestone)	✓ Achieved
Villages Covered	15+ in Karnal District	Active
Training Programmes Conducted	4 structured workshops	✓ Complete
Exposure Visits Organised	4 (ICAR Karnal, Pusa Kisan Mela, Ahmadnagar, KVK Baramati)	✓ Complete
In-Situ Demo — Mustard (Q4)	150 farmers vs. Target 100 = 150% achievement	✓ Exceeded
Project Monitoring App	1 dedicated application developed	✓ Complete

Training Video	5–6 minute comprehensive impact film	✓ Complete
ICAR Institutions Linked	3 active (ICAR-IIWBR, ICAR-IARI Karnal, ICAR-SBI)	✓ Active

Quarter-wise Highlights

Q3 FY25 (Oct–Dec 2025): Paddy Season

- 800 farmers onboarded and 800 field demonstrations conducted across 10+ villages using Super Seeders and Square Balers
- FPO partnerships (Horticulture FPC & Nilokheri FPC) established for community mobilisation and ground-level coordination
- Soil management training by Dr. Vikrant (Zydex) on Godhan decomposer technology — creating a complete CRM pathway from mechanised incorporation to accelerated biological decomposition
- Systematic village/farmer mapping covering harvest timelines, farm size, crop portfolios, and resource availability across all target villages
- 5–6 minute professional impact video produced with farmer testimonials and on-ground demonstration footage

Q4 FY25/Q1 FY26 (Jan–Mar 2026): Mustard Season Scale-Up

- MoU formally signed January 28, 2026; intensive village mobilisation and machinery procurement planning completed
- 150 farmers reached through in-situ Super Seeder demonstrations in mustard crops — 50% above quarterly target (150% achievement)
- Two-day exposure visit to ICAR Research Institutes, Karnal (Feb 17–18, 2026) for 20 progressive farmers
- One-day Pusa Kisan Mela 2026 visit at ICAR-IARI, New Delhi (Feb 26, 2026) for 150 farmers — national-scale CRM machinery, government schemes, and peer farmer success stories
- Four structured training workshops on Super Seeder operation, decomposer application, and soil health

Farmer Voices from Karnal

"Before this project, clearing my mustard field after harvest was the most difficult and expensive part of the season. Now with the Super Seeder, everything is done in one go — the residue goes back into the soil, I save money, I save time, and my land is better for it."
— Gurnam Singh, Village Khanpur, Karnal

"Ab mere saath-saath gaon ke aur bhi kisan super seeder ka use kar rahe hain, aur stubble burning ki problem kaafi had tak resolve ho gayi hai." (Now alongside me, other farmers in the village are also using the super seeder, and stubble burning has been largely resolved.)
— Balwan Kashyap, Sangohi Village

"The baler converted all my paddy residue into neat bales — no burning, clean fields, and I was ready for the next crop cycle faster than ever." — Om Parkash, Darar Village, Karnal



Project 7 | Building Resilience — Sustainable Agriculture, Dehu-Talawade, Pune

CSR Partner	Fujitsu India
Phase	Phase 2 — Completion Report September 2025 – March 2026
Target Region	Dehu & Talawade agrarian belt, Pune, Maharashtra — 10+ villages, 20+ hamlets
Scale	200+ Farming Households Vitthalwadi to Sudumbre corridor
Key Technologies	Biogas Units · Vermicompost Beds · Biostimulants (Biome-certified) · Soilometers · Solar Insect Traps
Programme Goal	Community-wide sustainable agriculture transformation; technology transfer to self-reliance

Context & Challenge

The Dehu-Talawade region faces an acute convergence of challenges: industrial effluents contaminating the Indrayani River, soil fertility depletion from decades of chemical fertilizer use, and escalating climate volatility. Phase 2 consolidated and scaled proven Phase 1 technologies — biogas, vermicomposting, and organic farming — delivering them at community scale across 200+ farming households.

All interventions were designed for long-term self-sufficiency: farmers were trained not just to use technologies, but to maintain, propagate, and teach them to peers — creating autonomous knowledge networks independent of continued external support.

Phase 2 — 100% Target Completion Across All Indicators

Indicator	Achievement	Status
Biogas Units Installed	110 Units	100% ✓
Vermicompost Beds Installed	140 Units	100% ✓
Biostimulant Kits Distributed	100 Farmers	100% ✓
Soilometer Kits Distributed	100 Farmers	100% ✓
Solar Insect Traps Installed	140 Units	100% ✓
Farmer Exposure Visits	2 Visits / 50 Farmers	100% ✓
On-Ground Training Sessions	9 Sessions	100% ✓

Technology Impact Deep-Dive

Biogas — Clean Energy & Soil Fertility

110 biogas units convert organic household and agricultural waste into clean cooking fuel, directly substituting LPG. Bio-slurry byproduct is applied to fields as high-quality organic fertiliser, rebuilding soil microbial communities and reducing synthetic fertilizer dependency by up to 30%.

Vermicompost — Circular Soil Economy

140 vermicompost beds convert agricultural residue into nutrient-rich compost via earthworm activity — creating a closed-loop system where farm waste enriches the soil, reducing both chemical input costs and waste.

Biostimulants — Organic Productivity Revolution

100 farmers received Biome-certified organic biostimulant kits. A multiplier model was used — progressive farmers who received training became peer educators, disseminating knowledge across their communities for farmer-to-farmer replication.

Soilometers — Data-Driven Precision Farming

100 farmers received portable soilometer kits to measure soil moisture, temperature, and nutrient levels in real time. This enables precision decisions on irrigation scheduling and fertilizer application — reducing waste and improving input-use efficiency.

Solar Insect Traps — Chemical-Free Pest Management

140 solar-powered traps eliminate pesticide dependency for insect pest control — protecting the Indrayani River from chemical runoff and reducing production costs across 10+ villages.

Selected Farmer Impact Stories

Balu Damu Hagavane, Vitthalwadi: Biogas installation extended LPG cylinder life from 1 month to 3 months — a 66% reduction in fuel expenditure. Bio-slurry application reduced synthetic fertilizer dependency by 30%, actively rebuilding soil microbial health.

Vilas Pandurang Jagtap, Pune Belt: Adoption of Biome-certified organic inputs led to a 45–50% reduction in production costs, turning organic innovation into a high-performance business strategy.

SDG Alignment — Project 7

SDG Goal	Contribution
SDG 1 No Poverty	20% increase in farm income targeted through technology inputs and cost reduction for 200+ households

SDG 2 Zero Hunger	Vermicompost, biostimulants, and integrated pest management collectively improve yield quality and food security
SDG 5 Gender Equality	Women-headed agricultural households prioritised in all beneficiary categories across the Dehu-Talawade corridor
SDG 13 Climate Action	Biogas reduces methane emissions; organic inputs sequester soil carbon (~1.5 tonnes estimated across programme area)
SDG 15 Life on Land	Reduced chemical runoff protects Indrayani River; 140 solar trap farms eliminated pesticide dependency across 10+ villages

Cross-Cutting Themes & Strategic Approach

1. Farmer-Centric, Science-Backed Delivery

Across all seven programmes, ISAP prioritises direct field-level engagement before deploying any technology. Community meetings, harvest timeline documentation, and systematic farmer mapping precede all demonstrations — ensuring interventions are timed, targeted, and contextually relevant. Technical credibility is maintained through co-facilitation with ICAR institutes, KVKs, and specialised institutions including IARI, IIWBR, CICR, and university research teams.

2. Technology Transfer to Self-Reliance

Every programme is designed to build farmer capacity for independent operation, maintenance, and replication. The multiplier model in biostimulant training (Dehu), peer-to-peer soilometer learning, progressive farmer champion networks in the CRM programmes, and FPO leadership capacity-building in Karnal all reflect this commitment. The goal is autonomous replication — not continued external dependency.

3. Circular Economy Principles

From crop residue baling (SES-3, Karnal CRM) to biogas slurry fertilisation (Dehu), vermicompost production (Dehu), in-situ mulching (Bulandshahr, Karnal), and sugarcane trash composting (PEHEL) — ISAP programmes consistently convert agricultural waste into productive resources. This reduces farmer input costs, restores ecosystem services, and generates supplementary income — creating financially self-reinforcing cycles.

4. Adaptive Implementation

ISAP demonstrated strong adaptive management across FY 2024–25. Weather constraints in Karnal were addressed through staggered demand-responsive scheduling without reducing scope. Incomplete Moradabad baling targets (SES-3) were addressed with pre-positioned equipment. Cotton crop challenges from extended rainfall informed revised fungicide protocols. Flexibility combined with GPS-tagged monitoring and robust documentation ensured programme integrity without compromising farmer trust.

5. Institutional Ecosystem Building

A defining strength of FY 2024–25 is the depth of institutional linkages created. Across seven programmes, ISAP established active working relationships with ICAR-IARI, ICAR-IIWBR, ICAR-SBI, ICAR-CICR, ICAR-CPRI, KVK Akola, KVK Karnal, Plaksha University, two UP sugar mills, two Karnal FPOs, and multiple technology providers. These connections extend the reach and credibility of each programme far beyond ISAP's direct field presence.



Project 8 | Agri Value Chain Development — Jammu Region & Kargil, Ladakh (P0748)

CSR Partner	HDFC Bank Parivartan
Project Code	P0748
Period Reported	April 2024 – March 2025 (Full FY 2024–25)
Locations	Doda, Kishtwar, Ramban Districts — Jammu Region; Kargil District — Ladakh UT
Farmers Mobilised	2,600 farmers under 5 Farmer Producer Companies (FPCs)
Fund Sanctioned & Utilised	INR 2,36,49,944/- (100% utilisation — Nil unutilised)
Key Commodities	Rajmah, Turmeric, Anardana, Saffron, Maize, Honey, Walnuts, Apples
FPO Approach	5 Farmer Producer Companies formed across 4 districts with elected Boards of Directors

Programme Overview

In Jammu region, 95% of farmers are small and marginal, operating in a landscape of under-investment in agricultural marketing and processing. Despite this, the region holds extraordinary potential — diverse natural capital including unique soils, quality water, biodiversity, micro-climatic variations, and niche commodities that command premium prices in national and international markets.

ISAP India Foundation, supported by HDFC Bank Parivartan, designed a comprehensive value chain intervention targeting every link — from production and productivity to value addition, market access, and risk reduction through innovation. The programme adopted a 'low carbon footprint, value chain approach,' building backward and forward linkages by strengthening farmer collectives and delivering business services including input supply, financial linkages, value addition, and market diversification.

FY 2024–25 Achievements — 100% Targets Met Across All Indicators

Indicator	Achievement	Status
Farmer Mobilisation	86 of 86 targeted — awareness and mobilisation drive across Doda, Kishtwar, Ramban & Kargil	100% ✓
FPO BoD Training	15 of 15 Board of Director members trained on compliance, accounting, governance & leadership	100% ✓
Solar Street Lights	174 of 174 solar lights distributed to farmers across all 4 districts	100% ✓
Exposure Visits	10 of 10 visits completed — farmers exposed to advanced practices, research institutes, progressive FPOs	100% ✓

Capacity Building Programmes	14 of 14 capacity building sessions on crop production, processing & value addition	100% ✓
Walnut Cracking & Peeling Unit	1 unit established — enabling local-level nut processing for value addition and income enhancement	100% ✓
Solarization of Walnut Unit	1 unit solarized — energy efficiency and uninterrupted operation through solar power	100% ✓
Vacuum Packing Units	3 units provided — extended shelf life and improved market presentation for FPO products	100% ✓
Solar Dryers	3 units distributed — reduced post-harvest losses through sustainable drying technology	100% ✓
Soil Test Units	3 units provided — scientific soil nutrient management for improved input planning	100% ✓
Apple Pulp Unit	1 unit established — reduced fruit wastage through value-added local processing	100% ✓
Solarization of Apple Pulp Unit	1 unit solarized — reduced energy costs and improved sustainability of apple processing	100% ✓
Anardana (Spice) Unit	1 unit established at Dagan Top FPCL — niche market access for local spice value chain	100% ✓
Tractor	1 tractor provided — enabled timely land preparation and cost savings for farmers	100% ✓
Tillage Machine	1 machine provided — improved farm productivity through better land preparation	100% ✓
Spray Pump	1 unit provided — improved crop protection and scientific spraying practices	100% ✓
Grass Cutters	3 provided (1 planned + 2 preponed from FY26) — eased fodder collection on hilly terrain	100% ✓
Local Resource Persons	72 of 72 LRPs remunerated — consistent field support for farmer handholding	100% ✓
Buyer-Seller Meets	2 of 2 conducted — direct market linkages, reducing dependence on intermediaries	100% ✓

Budget Utilisation

Total fund sanctioned for FY 2024–25: INR 2,36,49,944/-. Utilisation: 100% (INR 2,36,49,944/-). Nil unutilised balance. A deviation of INR 2,15,733/- was formally approved and reallocated from Agriculture Expert, Marketing Expert, and M&E budget heads towards Local Conveyance (unforeseen travel due to weather-related repeated site visits) and preponed procurement of 2 additional grass cutters ahead of the cropping season.

Key Challenges

- Extreme weather conditions limiting operational windows by approximately 1.5 quarters annually across high-altitude districts
- Geo-political scenario in border districts affecting logistics and team movement
- Low telephonic and internet connectivity in remote areas — especially during winter months
- Lack of consistent electricity during winter requiring solar-based alternatives throughout
- Farmers continuing traditional post-harvest management practices due to limited historical information access

Success Story: Sangaldan FPO — Anardana Value Chain, Ramban

Sangaldan, a remote block 35 km from Ramban, has long depended on traditional farming of wild Anardana (pomegranate seeds), quince, and local crops. ISAP helped form Dagan Top Farmers Producer Company Ltd., bringing 500 farmers together. The first intervention — an Anardana grinder in Dalwah village — converted raw Anardana into powder with longer shelf life and higher market value. Building further, the FPO is now preparing to produce Anardana Goli (digestive candy), supported by an Anardana deseeder and solar dryers from ISAP. Today, 1,000+ families are benefiting. Farmers are moving from bulk selling to branded, finished products — gaining control over pricing and access to new markets.

Project 9 | Agri-Horticulture Value Chain Development — Kashmir Valley (P0999)

CSR Partner	HDFC Bank Parivartan
Project Code	P0999
Period Reported	October 2024 – March 2025 (Launch & Phase 1)
Locations	5 Districts of Kashmir Valley: Budgam, Baramulla, Ganderbal, Kupwara, Pulwama
Target Farmers	3,000 farmers across 5 districts
Focus Crops	Vegetables (primary), Saffron, Horticulture
Key Infrastructure	Low-cost polyhouses, Micro drip irrigation, Solar dryers, Solar pumps
Launch Event	September 19, 2025 Hotel Asian Park, Srinagar — key stakeholders across agriculture, finance, government, and markets

Programme Background

The P0999 programme is designed to enhance livelihoods of 3,000 farmers across five districts of Kashmir by unlocking the potential of agriculture and horticulture value chains. The project addresses the core challenges facing small and marginal farmers in J&K — fragmented landholdings, low mechanisation, inadequate institutional credit access, and weak market integration — through a combination of infrastructure support, collective action, and climate-resilient technologies.

The programme mobilises farmers into Farmer Interest Groups (FIGs) and provides critical infrastructure for protected cultivation (polyhouses), water-efficient drip irrigation, solar-powered post-harvest management, and market integration through Buyer-Seller meets and cross-learning events.

Phase 1 Activities — Oct 2024 to March 2025

Indicator	Achievement	Status
Project Launch Event	Sept 19, 2025, Hotel Asian Park, Srinagar — stakeholders from agriculture, financial institutions, government, and market buyers	✓ Complete
Team Recruited	1 Project Coordinator, 5 District Coordinators, 5 CRPs (1 per district), 1 Food Technologist, 1 Documentation & Fisheries Expert, 1 MIS Expert	✓ Complete
Questionnaire Finalized	Structured data collection tool for Farmer Interest Groups developed and approved	✓ Complete
Farmer Meetings & Data Collection	District Coordinators + CRPs conducted village-level meetings across all 5 districts — awareness, feedback, participation confirmation	✓ Complete

Farmer Interest Groups (FIGs)	~10 FIGs established across Ganderbal, Pulwama, Kupwara, Baramulla, and Budgam districts	✓ Established
Mulching	20 hectares across 4 districts (Ganderbal, Kupwara, Budgam, Pulwama)	✓ Complete
Drip Irrigation	20 hectares across all 5 districts	✓ Complete
Solar Pumps	8 solar pumps distributed across 4 districts (Ganderbal, Pulwama, Kupwara, Budgam)	✓ Distributed
Solar Dryers	10 solar dryers — 2 per district across all 5 districts (Ganderbal, Pulwama, Kupwara, Baramulla, Budgam)	✓ Distributed
Solar Lamps	100 solar lamps — 50 in Tanghdar, Kupwara & 50 in Uri, Baramulla	✓ Distributed

Programme Objective

The project's central objective is to unlock the potential of agri-horti value chains to double farmers' incomes by supporting their collectives. This is achieved by strengthening their ability to climb the value chain — enhancing production and productivity, promoting value addition, increasing market access, and reducing risks through innovative climate-resilient agricultural practices including protected cultivation (polyhouses), efficient water management (drip irrigation), and renewable energy solutions (solar pumps, dryers, lamps).

Strategic Design

- **Institution Building:** Opinion leaders engaged as Local Resource Persons (LRPs) to mobilize farmers into Farmer Interest Groups; FIGs elect Boards for newly registered FPCs; training on governance, record-keeping, and compliance
- **Agri-Extension:** Best cultivation practices promoted through KVK-supported training, printed protocols, and field demonstrations tailored to Kashmir's agro-climatic conditions
- **Exposure & Learning:** Cross-learning through visits to successful farms, research institutes, and established FPCs
- **Agri-Infrastructure:** Processing units and input-output infrastructure established to improve price realisation and create rural employment
- **Market Linkages:** FPCs supported to engage directly with buyers through Buyer-Seller meets and digital platforms — ensuring better value share for farmers

Phase 1 (Oct 2024–Mar 2025) focused on establishing the organisational and physical foundation — teams, FIGs, and core infrastructure (drip irrigation, solar dryers, solar pumps, mulching). Phase 2 will scale to polyhouses, advanced market linkage activities, and Buyer-Seller meets targeting enhanced income outcomes for all 3,000 enrolled farmers.

Our Partners — FY 2024–25

CSR Partners

CNH Industrial	Project PEHEL (Sugarcane Mechanization — UP), CNH Cotton Project (HDPS Cotton — Maharashtra & Punjab), SES-3 (Stubble Baling — UP, AP, Karnataka)
D.E. Shaw India Private Limited	Sustainable CRM Demonstrations, Karnal, Haryana — targeting 1,600 farmers across 30 villages over the project period
Fujitsu India	Building Resilience Phase 2 — Dehu-Talawade, Pune: 200+ households, 7 technology interventions, 100% targets achieved across all indicators
HDFC Bank Parivartan	P0748: Jammu & Ladakh Agri Value Chain (April 2024–March 2025) — 2,600 farmers, 5 FPCs, INR 2.36 Cr fully utilised, 100% on all indicators P0999: Kashmir Valley Agri-Horticulture (Oct 2024–March 2025) — 3,000 farmers targeted, 5 districts, FIGs established, infrastructure deployed
MIS Support Centre Pvt. Ltd. (Moody's)	CRM Programme, Bulandshahr, UP — 500+ farmers, 10 IARI-facilitated sensitization trainings, 4 ICAR exposure visits
Case New Holland Construction Equipment India Pvt. Ltd.	Harit Dhara II Miyawaki Plantation — 1,550 sq.m planted around Sanjay Jalashaya, Pithampur, Dhar, M.P.

ICAR & Academic Institutions

- ICAR-IARI, Pusa, New Delhi — Pusa Decomposer, sensitization trainings, Pusa Kisan Mela 2026
- ICAR-IIWBR, Karnal — Wheat/barley CRM, Happy Seeder demonstrations, improved variety guidance
- ICAR-IARI Regional Station, Karnal — Seed technology, biofortified varieties, precision nutrient management
- ICAR-Sugarcane Breeding Institute (SBI), Karnal — Sugarcane CRM, variety research, trash management
- ICAR-Central Institute for Cotton Research (CICR), Nagpur — HDPS cotton technology
- ICAR-Central Potato Research Institute (CPRI), Meerut — Potato diversification and crop rotation options
- KVK Akola — Soil testing and agronomic advisory for CNH Cotton Project
- KVK Karnal — Technical guidance and quality assurance for D.E. Shaw CRM demonstrations
- Plaksha University (Dr. Shashank Tamaskar) — Drone and satellite monitoring for Project PEHEL

Industry & FPO Partners

- DCM Shriram Industries, Shahjahanpur — Sugar mill MoU partner for PEHEL mechanization
- Dhampur Bio Sugar Mill, Asmoli, Sambhal — Sugar mill MoU partner for PEHEL mechanization
- Horticulture Farmer Producer Company, Karnal — FPO ground partner for CRM demonstrations
- Nilokheri Farmer Producer Company, Karnal — FPO ground partner for CRM demonstrations

- Zydex Industries (Godhan Decomposer) — Biological decomposer technology partner, Karnal CRM
- Hanuman Motors, Kadapa, A.P. — Equipment supplier for SES-3 tractor procurement

Looking Ahead: FY 2025–26 Priorities

CRM Karnal (D.E. Shaw)	Scale to 1,600 farmers and 1,600 acres targeting wheat and paddy crops; expand to neighbouring districts; deepen FPO independent replication capacity
CRM Bulandshahr (Moody's)	Peer-led replication; machinery subsidy facilitation (Happy Seeders); institutionalise annual IARI exposure visit calendar
Project PEHEL (CNH)	Complete FY 2025–26 crop protection, earthing up, and monitoring; expand model farm area; formalise equipment rental revenue model
CNH Cotton Project	Expand HDPS to additional Akola villages; improve drainage infrastructure; pilot mechanised cotton harvesting
SES-3 (CNH)	Commission Nellore and Sindanoor tractors; assess new AP districts for baler deployment; formalise aggregator supply chains
Harit Dhara II	Sustain Miyawaki maintenance through Year 2; document biodiversity metrics quarterly; plan Phase II expansion
Building Resilience (Fujitsu)	Phase 3 scoping — consolidate Phase 2 outcomes; assess replication across additional Dehu-Talawade villages
P0748 — Jammu & Ladakh (HDFC Bank)	Enter Year 2 of programme; scale FPC business activities; expand market linkages for walnut, anardana, apple, and saffron; deepen Sangaldan FPO's Anardana Goli product launch
P0999 — Kashmir Valley (HDFC Bank)	Transition from Phase 1 (infrastructure) to Phase 2 — polyhouse deployment, advanced Buyer-Seller meets, FIG-to-FPC graduation, and full 3,000-farmer enrolment across 5 districts

Building Resilient Agricultural Communities Across India

This Annual Impact Report reflects the collective effort of ISAP India Foundation's field teams, our five CSR partners, ICAR scientists, KVK technical experts, Farmer Producer Organisations, industry partners, and — above all — the 5,200+ farming families across nine states and Union Territories who trusted us with their livelihoods and their futures.

From the paddy fields of Karnal to the sugarcane belt of Bulandshahr, from the cotton plots of Akola to the biogas kitchens of Dehu, from the walnut groves of Kishtwar and Doda to the saffron valleys of

Kashmir — FY 2024–25 proves that when science, community, and purpose converge, transformation at scale is achievable across every geography India presents.

ISAP India Foundation expresses sincere gratitude to CNH Industrial, D.E. Shaw India Pvt. Ltd., Fujitsu India, HDFC Bank Parivartan, and Case New Holland Construction Equipment India Pvt. Ltd. for their sustained commitment to environmental sustainability, farmer welfare, and rural transformation.

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