

Ministry of Agriculture and Farmers Welfare

Demand Number 2

Department of Agricultural Research and Education

1. Technology based support in improvement and management of horticulture crops towards enhanced and sustainable productivity for nutritional security (Horticulture Sciences) (CS)

FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2026-27		OUTCOMES 2026-27		
2026-27	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27
220.00	1. Knowledge Product Developed	1.1 Number of Varieties to be released by CVRC	52	1. Breaking the barriers	1.1 Average productivity gains (%) in major horticultural crops relative to the 5-year average	0.5
		1.2 Number of Good Agricultural Practices (GAPs) developed/ documented	90			
	2. Knowledge dissemination and Capacity building	1.3 Innovations (Number of Rapid diagnostic tools/ methods/ methodology/ digital forewarning systems for insect-pests and diseases/ standards/protocols/ formulations/ software)	14	2. Transforming the business norms	2.1 Number of varieties entered in the breeder seed chain during the year	160
		2.1 Number of farmers trained on new knowledge products	5,000			
		2.2 Number of other stakeholders including value chain actors and extension functionaries	6,000			
		2.3 Number of Research Publication with impact factor	300		2.2 Number of technologies/ tools/ practices/ formulations/ diagnostic tools commercialized/ licensed/ successfully transferred to the farmer, Cooperatives/ public/private sector	55
					2.3 Breeder Seeds produced in (in Qtls)	1,100
					2.4 Number of improved Plants/ saplings produced (in lakhs)	15

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FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2026-27		OUTCOMES 2026-27		
2026-27	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27
		2.4 Number of manuals, books, book chapters, and other publications such as policy papers / policy papers, / policy briefs	350	3. Outcome Quality	3.1 Number of Patents, Intellectual Property Rights (IPR)/ Geographical Indication (GI)/Copyrights/ License granted/ registered	60
				4. Policy support	4.1 Knowledge products/ inputs/ models incorporated in government policies/ strategies of public/private Sectors	5

2. Research, Education and Technology Development for Sustainable Livestock Health and Production towards Nutritional Security (CS)

FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2026-27		OUTCOMES 2026-27		
2026-27	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27
416.95	1. Technology/ Knowledge Product Developed	1.1 Number of livestock breeds to be registered	10	1. Breaking the barriers	1.1 Average productivity gains (%) in major livestock groups using frontline breed improvement technologies	2
		1.2 Number of Good Animal Husbandry Practices developed/ documented	20		1.2 Reduction in disease/stress losses/incidences (%) using frontline technologies (Base year 2021)	70-75
		1.3 Number of improved germplasm of livestock and poultry produced (in lakh)	14		1.3 Improvement in herd health score index (%) using frontline technologies	70


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FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2026-27			OUTCOMES 2026-27			
	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27	
2026-27	2. Knowledge dissemination and Capacity building	1.4 Semen doses of livestock produced (lakh)	6		1.4 Livestock covered under health monitoring, disease status, control and eradication (in lakhs)	2.9	
		1.5 Innovations (Number of Rapid diagnostic tools/ methods/ methodology/standards/ vaccine/ protocols/ feed formulations / software)	64		2.1 Transforming the business norms	2.1 Number of technologies/ tools/ vaccines/ practices/ formulations/ diagnostic tools commercialized/ licensed/ successfully transferred to the public/private sector or farmer Cooperatives	20
		2.1 Number of farmers/ trained	9,500		2.2 Dissemination of Semen doses of elite livestock (lakh)	2.2 Dissemination of Semen doses of elite livestock (lakh)	3
		2.2 Number of other stakeholders including value chain actors and extension functionaries	2,000		3. Outcome quality	3.1 Number of Patents, Intellectual Property Rights (IPR)/ Geographical Indication (GI)/ Copy rights/ License granted/ registered	35
		2.3 Number of UG, PG and Ph.D. students pass out	400			3.2 % of students employed / Agri-preneurship/ opted for higher study	>95
		2.4 Number of Research Publications with impact factor	925	4.1 Knowledge products/ inputs/ models incorporated in government policies/ strategies of public/private Sectors	12		
		2.5 Number of Manual, book chapters, and other publications	200				

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3. Fisheries and Aquaculture for Sustainable Developments (CS)

FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2026-27		OUTCOMES 2026-27		
2026-27	Output	Indicators	Targets 2026-27	Output	Targets 2026-27	
170.25	1. Technology/Knowledge Product Developed	1.1 Number of fish breeds and seed production technology developed	7	1. Breaking the barriers	1.1 Average productivity gains (%) in major fish species through genetic stock improvement technologies	
		1.2 Number of farming systems and GAPs developed / documented	5			
		1.3 Innovations (Number of feed formulations/ diagnostic kits/ vaccine/ health products Value Added products/ tools & gadgets/ software/ Standards/ methods/ methodology/ protocols developed)	20			
	2. Knowledge dissemination and Capacity building	2.1 Number of farmers trained		16,000	2. Transforming the business norms	2.1 Number of technologies/ tools/ vaccines/ practices/ formulations/ diagnostic tools commercialized/ licensed/ successfully transferred to the public/private sector or farmer Cooperatives
	2.2 Knowledge dissemination and Capacity building	2.1 Number of farmers trained	16,000	3. Outcome quality	3.1 Number of Patents, Intellectual Property Rights (IPR)/ Geographical Indication (GI)/ Copy rights/ License granted/ registered	
		2.2 Number of other stakeholders including value chain actors and extension functionaries	2,000			
		2.3 Number of PG and Ph.D. students pass out	120			
		2.4 Number of Research Publications with impact	1.3			
					3.2 % of students employed /opted for higher study	
					95	


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2026-27	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27
		2.5 Number of Manual, book chapters, and other publications	150	4. Policy support	4.1 Knowledge products/ inputs/ models incorporated in government policies/ strategies of public/private Sectors	3

4. Natural Resource Management (CS)

FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2026-27		OUTCOMES 2026-27		
2026-27	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27
232.05	1. Technology/ Knowledge Product Developed	1.1 Number of Contingency Plans (CP)	80	1. Breaking the barriers	1.1 Average increase in nutrient-use efficiency (%) using frontline NRM technologies over the average of the last 5 years	5
		1.2 Number of Block level land use plans	75		1.2 Average increase in soil C-sequestration (%) from frontline NRM technologies	5
		1.3 Number of Good Agricultural Practices (GAPs)	30		1.3 Increase in crop productivity on marginal/degraded lands (%) using frontline NRM technologies	10
		1.4 Innovations (Number of Rapid diagnostic tools/ methods/ methodology/ digital forewarning systems for insect-pests and diseases/ standards/ protocols/)	5		1.4 Improvement in soil quality index over the average of the last 5 years	2

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FINANCIAL OUTLAY (Rs in Cr)	OUTPUTS 2026-27			OUTCOMES 2026-27					
	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27			
	2. Knowledge dissemination and Capacity building	formulations /software /applications)		2. Transforming the business norms	2.1 Increase in income from NRM-linked interventions (%) 2.2 Increase in Number of farmers adopting new NRM technology over previous year (%) 2.3 Number of technologies/ tools/ Packages of Practices (POPs)/ formulations/ diagnostic tools commercialized/ licensed/ successfully transferred to the farmer, Cooperatives/ public/private sector, products included in by state agencies	20 5 10			
		1.5 Nature positive farming practices developed	10						
		2.1 Number of villages to be covered for adoption of NRM technology	15						
		2.2 Number of farmers trained in natural resource management	5,000						
		2.3 Number of other stakeholders including value chain actors and extension functionaries	500						
			2.4 Number of Research Publications with impact factor	175	3. Outcome quality	3.1 Number of Patents, Intellectual Property Rights (IPR)/ Geographical Indication (GI)/ Copy rights/ License granted/ registered	8		
			2.5 Number of Manual, book chapters, and other publications	50					
			4. Policy support					4.1 Knowledge products/ package of practices/ inputs/ models incorporated in government policies/ strategies of public/private Sectors	5



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5. Agricultural Production and Post-Production Mechanization Augmented with Innovative Technologies for Sustainable Agriculture Development (CS)

FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2026-27			OUTCOMES 2026-27		
2026-27	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27	
96.50	1. Technology/Knowledge Product Developed	1.1 Number of prototype/machinery developed/improved	22	1. Breaking the barriers	1.1 Increase in overall mechanization level (%)	1	
		1.2 Number of Process protocols/products developed	12				
		1.3 Innovations (Number of Rapid diagnostic tools/methods/ methodology/digital forewarning systems for insect-pests and diseases/ standards/formulations /software/R-packages/ web applications)	12	2. Transforming the business norms	2.1 Support for establishment of Entrepreneurs/ Agro-processing Centres/Custom hiring centres	24	
	2. Knowledge dissemination and Capacity building	2.1 Number of farmers trained	1,000	3. Outcome quality	3.1 Number of Patents, Intellectual Property Rights (IPR)/ Copyrights/Licenses granted/ registered	15	
		2.2 Number of other stakeholders including value chain actors and extension functionaries	200				
		2.3 Testing of machine and products, protocols	100				

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FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2026-27			OUTCOMES 2026-27		
2026-27	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27	
		2.4 Number of Research Publications with impact factor	80	4. Policy support	4.1 Knowledge products/ inputs/ models incorporated in government policies/ strategies of public/private Sectors	3	
		2.5 Number of manuals, book/ book chapters, and other publications such as policy paper/policy brief	40				

6. Strengthening of Krishi Vigyan Kendras (KVKs) (CS)

FINANCIAL OUTLAY (Rs in Cr)		OUTPUTS 2026-27			OUTCOMES 2026-27		
2026-27	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27	
210.00	1. Technology Assessment, Validation & Demonstration	1.1 Number of On-farm Trials (OFT) conducted	4,2000	1. Breaking the barriers	1.1 Increase in Women participation and leadership in agricultural (%)	5	
		1.2 Number of Frontline Demonstrations (FLDs) conducted	1,70,000		1.2 Enhancement in Decision-making Ability (including Climate-Resilience in practices) Index	15-20	
		2.1 Number of farmers trained (Lakh)	18.50		1.3 Gain in Farmers' Knowledge Score	15-20	

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	Output	Indicators	Targets 2026-27	Output	Indicators	Targets 2026-27		
2026-27	2. Capacity Building & Knowledge Generation	2.2 Number of Extension Personnel trained (lakh)	1.50	2. Transforming the business norms	2.1 Increase in yield over existing practices (%)	8-10		
		2.3 Number of participants in other extension activities (lakh)	225		2.2 Increase in net returns of beneficiary farmers compared to non-beneficiary (%)	10-12		
		2.4 Participation through Digital/On-Line (Virtual Workshop/Seminar/Group Discussion, etc.)	5,00,000	3. Outcome quality	2.3 Increase in area under improved variety / Seed replacement (in ha)	4,00,000		
		2.5 Communication through TV/ Radio/ Social Media (Facebook, Twitter, etc.)			3.1 Diversification through increase in area under horticulture Crops (in ha)	50,000		
		2.6 Number of Villages covered with GAPs (Good Agricultural Practices)	3,000		3.2 Number of farmers/ stakeholders benefited through upscaling of Community of Practices (CoP)	35,000		
		3. Catalyzing Technology Adoption through Critical Resources	2.7 Number of Community of Practices (CoP) developed	2.7 Number of Community of Practices (CoP) developed	1,000	4. Policy support	4.1 Knowledge products/ inputs/ models incorporated in government policies/ strategies of public/private Sectors	5
				3.1 Production of quality seeds for farmers (in lakh q)	1.70			
	3.2 Number of planting material produced for farmers (lakh)			450				
	3.3 Fingerlings produced for farmers (lakh)	300						
	4. Farm Advisory and Diagnostic Services	4.1 Samples of Soil, Water, Plant & manures tested (lakh)	3.50					

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