

D/O AGRICULTURAL RESEARCH AND EDUCATION

Statement of Outlays and Outcomes/Targets: Annual Plan 2005-06

(Rs. in crores)

S. No.	Name of the Programme/ Scheme/ Sector	Objective/Outcome/ (Time Frame)	Plan Outlay*	Quantifiable Deliverables/ Monitorable Activities	Process/Timelines/ Output(April 05 to March 06)	Remarks/ Risk Factor
<i>* Only monitorable activities have been reflected against sectoral approved outlay</i>						
1 1 & 2	2 <b>CROP SCIENCE HORTICUL- TURE</b>	3 <b>Conservation of Plant Genetic Resources</b> (i) Conservation for sustainable use (2-3 years) (ii) Characterization, evaluation, utilization in research/ breeding (3-5 years)	4 190.00 80.00	5 Germplasm Exploration and Collection	6 20 exploration trips; and 800 accessions to be collected	7 Filling of gaps in exploration will be attempted on priority, which may include coverage of unexplored/ under- explored areas or areas likely to have accumulated new variability over the time. Activities will be taken up keeping in view a harmonisation with the provisions of the Biological Diversity Act, 2002

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		(i) Documentation for sustainable use <b>(3-5 years)</b> (ii) Donors identified for various traits – resistance to abiotic/ biotic stresses, quality, maturity etc. <b>(3-5 years)</b> (iii) Use <i>per se</i> or as parents in breeding programmes for desirable/ superior traits/ quality parameters/ active ingredients <b>(3-5 years)</b>		Germplasm evaluation and characterization	15,000 accessions to be evaluated and characterized	All India Coordinated multilocation evaluation of potential genetic resources will be preferably done for the identification of suitable donors for various traits in different crops .
		(i) DNA fingerprints available for 1980 varieties in 30 crops. Information will be built up over and above the available one using other protocols/ primers (ii) Use of information in (a) varietal confirmation of referral samples, and (b) breeding programmes <b>(Long Term)</b>		DNA fingerprinting	(i) Standardization of crop specific (ii) Fingerprinting of 200 varieties/ genetic stocks	Supplementary profiles and the protocols to determine them will enhance the success rate for varietal confirmation of referral samples ii) Deployment of varieties with known spectrum of diversity will enhance success rate in varietal development for specific objectives

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	Long-term conserved seed available for 2 lakh 90 invariance accessions in the National Gene Bank at National Bureau of Plant Genetic Resources, New Delhi. Available in vitro cultures and cryo conserved samples are 1600 and 6300, respectively. New material will be processed and conserved over and above the existing collection. <b>(Long Term)</b>		(i) Germplasm conservation: (i) long-term seed conservation (ii) <i>in vitro</i> conservation <i>cryo</i> -conservation	10,000 accessions  100 accessions  200 accessions	The purpose is to enlarge the national ex-situ collection of crops and their wild related species for sustainable use by the present generations and posterity

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		All imported germplasm samples will be quarantined as per the plant quarantine regulations/order Each sample from all replications for international trials will be separately quarantined. <b>(Long Term)</b>		Germplasm Exchange and Plant Quarantine i) indent based germplasm ii) international trial entries	5,000 accessions  15,000 accessions (replicated)	The national <i>ex situ</i> collection will be enriched/ supplemented for sustainable use (i) with the involvement of experienced researchers in the country for specific indents/requests made to other countries/ international centres, (ii) and from international trials for testing specific traits in crops

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	<p><b>1.2) Agriculturally Important Microorganisms</b></p> <p>1860 accessions of bacterial (300), fungal (1524) and actinomycete (36) organisms are available for long term at National Bureau of Agriculturally Important Microorganisms (NBAIM) collection . The accessions/ information will be built up over and above the existing one for sustainable use in agriculture. <b>(Long Term)</b></p> <p>For long term storage, and sub-culturing for use and re-use of germplasm in developing formulations of biofertilizers/ biocontrol agents, in gene mining and in various other ways <b>(Long Term)</b></p>			<p>Collection and conservation</p> <p>Protocols for conservation</p>	<p>500 accessions</p> <p>Three protocols</p>	<p>Strengthening the gene-banking of microorganisms in a system-wide system perspective would also require rationalizing the collections in terms of their generic and patented/patentable grouping. This will require some information not to be disclosed at a point of time in respect of particular microorganisms/ strains.</p>

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		<b>1.3) Variety improvement in yield in view of biotic &amp; abiotic stresses</b>				
		The released varieties will be entered into the seed chain (breeder seed to quality certified seed) these will be available from production to consumption (use by farmers) mode from 5 <sup>th</sup> year of release onwards (5 years)		Development of improved varieties	About 80 new varieties, including hybrids	Advancement of released varieties into seed chain will depend on specific demand (indents) for the Breeder Seed from State Departments of Agriculture
		<b>1.4) Production technology &amp; protection technology for crops, fruits and vegetables</b>				
		Increased production and enhanced farmers income (5 Years)		Development of improved production packages	8-15 Improved packages for productivity enhancement in different field and horticultural crops will be developed/ verified/ identified	Adoption of improved packages of production/ protection technologies by farmers on large scale will also depend on some external factors such as assured/timely availability of all input components of the package in required quantity and at reasonable price.

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		Increased production due to the use of improved packages by farmers and their enhanced income (5 years)		Development of effective plant protection measures	4-5 suitable packages for pest management	
		Reduced use of pesticides for safer environment; reduction in cost of cultivation-(5 years)  Research for enhanced durability and resistance/ tolerance (3 years)		Development of Integrated Pest Management modules using biocontrol agents, biopesticides, and other cultural methods Monitoring of biotypes/ pathotypes of pests and diseases	4-5 eco-friendly IPM modules  Identification of <b>new</b> biotypes/ pathotypes of insect pests/ disease causing organisms	
		<b>1.5) Production of quality breeder seeds/ seed saplings/ planting material (Field and Horticultural Crops)</b>				
		Availability of quality seed which will enhance productivity (4-5 years)		Production of breeder seed	56,500 quintals of breeder seed	i) Includes 30,000 quintal breeder seed of potato

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				Production of quality planting material	5 lakh planting material of fruits and plantation crops	ii) Availability of quality seed, which will enhance productivity iii) Production potential and actual production of breeder seed under the national research system is generally higher than the specific demand (indents) received from States/Department of Agriculture and others.
3	<b>NATURAL RESOURCE MANAGEMENT</b>	<b>3.1) Soil maps for different agro-climatic zones and their analysis</b>	90.00			
	Conservation and sustainable use of soil resources (3-4 years)			Soil survey & Characterization	7-10 lakh ha	

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				Development of soil, land use and fertility maps	8-10	
		<b>3.2) Nutrient and water management of soils, including organic manuring</b>				
		Balanced fertilization and sustainable use of water resources. (3-4 years)		Development of Integrated Nutrient Management practices.	6-8	
				Development of Integrated Water Management practices.	10-12	
		<b>3.3) Cropping system research for productivity enhancement</b>				
		Increasing productivity through efficient crop planning(3-5 years)		Development and management of efficient cropping systems for irrigated ecosystem	7-10	
				Development and management of efficient cropping systems for rainfed/ dryland ecosystem	8-10	

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		<p><b>3.4) Agroforestry for bio-fuel supply</b></p> <p>Energy conservation and utilization of degraded lands <b>(3-5 years)</b></p>		<p>Collection of germplasm</p> <p>Development of biofuel based Agroforestry models.</p>	<p>250-300</p> <p>7-10</p>	

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4	AGRICULTURAL ENGINEERING	<p><b>4.1) Drudgery reduction in agricultural operations for rural women</b></p> <p>Reduction of drudgery and agricultural accidents and ergonomically designed tools and implements for women workers ( Benefit would start from 2<sup>nd</sup> year onwards) (<b>one year</b>)</p>	30.00	<p>Collection of Anthropometric and strength data</p> <p>Collection of agricultural accident data</p> <p>Ergonomical evaluation of agricultural machines</p> <p>Demonstration and evaluation of gender friendly equipment</p>	<p>Anthropometric data of 2000 Agricultural workers (1300 male and 700 female )</p> <p>Agricultural accidents data . for Tamil Nadu, Punjab, Orissa and Madhya Pradesh</p> <p>Ergonomically evaluated rice transplanter, groundnut stripper and cono weeder suitable for women workers</p> <p>Awareness and adoption of gender friendly equipment</p>	

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		<p><b>4.2) Prototype upscaling in agricultural machinery (Development and production)</b></p>				
	<p>Improved tools and equipment that would result in increased productivity and profitability. <b>(one year)</b></p> <p>Adoption by farmers &amp; entrepreneurs for higher productivity and profitability (Benefit would be realized by farmers from 2<sup>nd</sup> year onwards) <b>(one year)</b></p>		<p>R&amp;D on improved farm implements and machinery for timeliness farm operations and precise applications of inputs for higher productivity.</p> <p>Prototype production of improved tools and implements.</p>	<p>* Tillage tools and implements * Sowing and Planting machines * Weeders and Sprayers * Harvesters and threshers * Processing equipment and technologies for agro produce processing including cotton, jute and lakh</p> <p>Supply of 3500 prototypes of 50 designs to different locations in India</p>		

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				Feasibility testing of 15 different types/design of farm implements and solar gadgets and gasifiers.	Tested farm equipment and solar gadgets for adoption	
				Front Line Demonstration of 20 different types/design of farm tools and implements	Increased awareness about new farm tools and equipment	
				Techno-economic feasibility studies of agro-processing centres	Tested agro-processing models for adoption	
5	<b>ANIMAL SCIENCE</b>	<b>5.1) Animal Genetic Resources</b>	105.00			
		Genetic upgradation (3 years)		Evaluation and production	Two breeds each of cows, buffaloes, sheep, goat, equine, swine, poultry to be evaluated and characterized.	

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		<b>5.2) Improvement of Livestock for production and productivity</b>				
		a) Production of tested / quality bulls (one year)		Progeny testing of Murrah bulls & distribution of semen for improvement	8-10 bulls to be tested for progeny	
		-do-		Progeny testing of Haryana and Ongole cattle and distribution of semen for improvement	8-10 bulls to be tested	
				Identification and Multiplication of sahiwal germplasm		
		b) Production of quality rams, rabbit germplasm and improvement of farmers flocks. (one year)		Production of Bharat Merino for fine wool	50 rams to be produced	
				Production and distribution of German Angora rabbits.	250 rabbits to be produced and distributed	

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				Production of rabbits of Soviet Chinchilla, Grey Giant, White Giant, New Zealand white for meat and fur production and distribution to the farmers and development agencies.	100 of each breed to be produced and distributed	
		c) Improvement of economic status of rural households <b>(one year)</b>		Development and improvement of germplasm for rural poultry production	Production of chicks/eggs of strains suitable for rural poultry	
		d) Generate region based information on feed resources and suggest suitable remedial measures <b>(one year)</b>		Identification of livestock nutrient deficiency in feed and fodder and development on strategy for their supplementation	Identification of feed resources and deficiency and nutritional deficiency in different regions of the country.	

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		e) Improvement of reproductive performance in Equines ( <b>one year</b> )		Standardization of ECG based ELISA test for pregnancy diagnosis between 40-130 days of gestation	Diagnostic kits for early pregnancy detection	
		<b>5.3) Livestock product technology</b>				
		a) Higher solid yield and improvement in flavour, texture and overall acceptability by consumers ( <b>one year</b> )		Process up-gradation for manufacture of Srikhand and Burfi	Srikhand and Burfi will be manufactured by using UF-mineral membrane	
		b) Development of technology will help in diversification of dairy industry ( <b>one year</b> )		Development of technology for Chhana based jam like products	Attempt will be made to develop chhana based jam like products for the first time.	
		c) Development of products for health conscious consumers ( <b>one year</b> )		Development of technology for manufacturing sugar free rasgullas and low fat-sugar free frozen dessert	Sugar free rasgullas and sugar free low fat dessert will be developed using artificial sweeteners and bulking agents respectively	
		d) Milk quality assurance ( <b>one year</b> )		To detect adulteration in milk	Development of kits for detection of adulteration in milk	

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		e) This will improve the farmers income( <b>one year</b> )		Process optimization and storage, stability of chicken Chinkalone	Chicken Chinkalone will be produced using spent hens, which otherwise are difficult to dispose.	
		<b>5.4) Newer feeds and feed supplementation</b>				
		Identification of new feed resources as animal feed. ( <b>one year</b> )		Evaluation of newer and non-conventional feed resources	New agro-industrial bye-products like Babool seed chuni, Mahuva seed cake, Mango seed kernel, Rubber seed cake, Karanj cake, Ambadi cake, Kusum cake (expeller processed) etc. to be evaluated	
		Improvement in animal productive and reproductive status ( <b>one year</b> )		Assessing the mineral status of animals and specific target.	1000 samples of serum to be analyzed for essential micro nutrients status	

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		5.5) Animal health keeping in view economic impact of diseases and developing vaccines/ diagnostics				
		Development of strategies for control of FMD in the country. (one year)		Sero-epidemiology of Foot & Mouth Disease	Assessment of LPBE & ELISA in 1000 samples under National FMD control programme.	
		Forecasting models and strategies for the control of the disease(one year) • It would be helpful in prevention and control of diseases. (one year)		Development of Disease Referral system Production of AB-ELISA diagnostic kits.	Module for active disease surveillance to be developed Diagnostic kits for Brucellosis and IBR will be developed.	
		• Kits would be helpful for precise and specific diagnosis . (one year)		Development of ELISA and PCR based diagnostic kits.	Diagnostic kits for Herpes virus – 1 and <i>Salmonella abortus equi</i> , PPR, trypanosome & Babesia	
		• Rinder pest diagnosis at the country level would be undertaken. (one year)			Production and distribution of ELISA based rinder pest kits (approx. 50,000 test samples)	

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		<ul style="list-style-type: none"> <li>Status of different diseases in the country would be better known and controlled through vaccination. <b>(one year)</b></li> </ul>		Improvement of existing diagnostics and vaccines.	Diagnostic kits and vaccine would be produced against Swine fever, rabies, brucella, tuberculin, johnin, HS, sheep pox.	
6	<b>FISHERIES</b>	<p><b>6.1) Fish Genetic Resources</b></p> <p>Information on germplasm of selected commercially important food and ornamental fish &amp; shellfish species/ stocks from different ecosystems will be available towards conservation and planned utilization of aquatic biodiversity to enhance farmers' income <b>(3-5 years)</b></p>	40.00	<p>Exploration of fish biodiversity</p> <p>Characterization of fish &amp; shellfish species and stocks</p> <p>Gene banking with ex-situ conservation of fish and shellfish species</p> <p>Protocols for <i>in-situ</i> conservation and protected habitats</p> <p>Characterization of fish and shellfish species with regard to their status in biodiversity</p>	<p>8 trips</p> <p>12 accessions</p> <p>6 accessions</p> <p>2 protocols</p> <p>1 database</p>	Long term programme with gestation period of 3-5 years

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		<b>6.2) Production of quality breeding seed / material</b>				
		<p>Protocols for breeding and seed production of carps, catfishes, prawns and provision for quality fish and shell fish seed of commercially important species enabling commercial units of seed production and realization of higher yields from culture systems.(1 ¼ years)</p>		Breeding programmes for identified non-conventional food and ornamental fish and shell fish species	4	
				Selective breeding of rohu and tiger shrimp for disease resistance	2	
				Production of quality seed	50 lakh spawn of improved rohu, 1 lakh catfish seed, 5 lakh prawn seed, 10 lakhs shrimp seed, 1 lakh trout and mahseer seed, 2 lakh seabass seed, 1 lakh seed of ornamental fishes.	
		<b>6.3) Newer feeds and feed supplementation</b>				
		Feeds for different stages of culturable finfish and shellfish species for higher		Evaluation of indigenous ingredients for feed formulation	10	

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		productivity in culture systems and establishment of ancillary enterprises (2 years)		Evaluation of formulated feed for broodstock, larval and growout stages	6	
				Evaluation of probiotics and immunostimulants as feed components	4	
		<b>6.4) Fisheries health keeping in view economic impact of diseases and developing vaccines/ diagnostics</b>				
		Protocols for fish health management in terms of prophylactics and therapeutics; diagnostics for finfish and shellfish diseases for enhanced productivity in culture systems and establishment of ancillary fish health management enterprises (1.5 years)		Studies on WSSV and Nodavirus in Shrimp and giant freshwater prawn and gill diseases in carps		
				Evaluation of natural and synthetic compounds as prophylactics and therapeutants	6	
				Development of diagnostics for important diseases	2	

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		<b>6.5) Devising fishing vessels/ boats</b>				
		Improved boats to suit different regions, both in marine & inland sectors for higher fishing efficiency and establishment of ancillary enterprises (3 years)		Need analysis of fishing vessels/boats in marine and inland sector, region-wise and operation-wise.		
				Improvement of traditional fishing boats	2	
				Evaluation of non-conventional boat building materials	2	
				Suitability analysis of engines for fishing boats	2	
				Designing of eco-friendly and fuel-efficient fishing boats	2	
				Fabrication of prototypes of fishing boats	6	
				Modification of existing vessels for multipurpose fishing	2	

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		<b>6.6) Demonstrations for technology update</b>				
		Evaluated products and processes for enhanced returns from production systems <b>(2 years)</b>		Rubber wood and FRP canoes	2	
				Turtle Excluder Devices (TED) and By-catch Reduction Devices (BRD)	2	
				Ready to eat fish products	2	
				Mussel farming and seaweed culture	2	
				Fish Aggregating Devices (FAD)	2	
				Integrated Fish Farming	4	
				Ornamental fish culture	4	
				Seabass culture	2	
				Disease Diagnostic Kits for carps and shrimps	2	
				Giant freshwater prawn farming	2	
				Catfish farming	2	

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		<p><b>6.7) Training in Fisheries</b></p> <p>Skilled manpower in important vocations in fisheries and aquaculture for improved efficiency in fisheries management, both in public and private sectors <b>(one year)</b></p>				
				Fabrication, mending and maintenance of fishing nets	200	
				Production of value added products	200	
				Quality control and hygiene regulations	50	
				Mariculture including mussel farming, seaweed culture, pearl culture	500	
				Management of fish farms	50	
				Shrimp breeding and culture	100	
				Catfish breeding and culture	50	
				Freshwater prawn breeding and culture	100	
				Ornamental fish breeding and culture	200	
				Awareness programmes in fish conservation.	100	

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7	<b>EDUCATION AND ICAR HQRS.</b>	<p><b>7.1) Training and retraining- Summer /Winter School and Short Courses</b></p> <p>Competence improvement of 2000 scientists belonging to SAUs and ICAR Institutes in subjects of topical relevance and usefulness like: Biotechnology, WTO, education technology, integrated pest/nutrient management, information and communication technology, computer aided textile designing, integrated farming systems, fish processing, molecular disease diagnosis, poultry nutrition, QA in veterinary education and services, sustainable animal production. <b>(one year)</b></p>	<p>180 (Edu.) 3.82 (Hqrs.)</p>	<p>Number of training courses and participants trained</p>	<p>Conduct of 91 training courses for 2000 ICAR and State Agricultural University (SAU) scientists</p>	

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	<p><b>7.2) Centre of Advanced Studies</b></p> <p>Enhancement in professional competence of 1200 scientists in practice of cutting edge techniques and technologies of agricultural and allied science subject. Some examples of subject domains of practical trainings are: biotechnology, web solution using open source technology, micronutrients in livestock health, feed and fodder processing, modern diagnostic and therapeutic procedures, environmental microbiology, sustainable agricultural development for food security, CDNA library construction <b>(one year)</b></p>			<p>Number of subject-specific trainings/practical courses and participants trained</p>	<p>60 trainings</p>	

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		<p><b>7.3) ICAR Head Quarter/Institutes</b></p> <p>Upgradation of knowledge and skills of scientists in frontier areas of science &amp; technology. Improvement in providing administrative/ financial support to agricultural research and educational programmes <b>(one year)</b></p>		<p>Training of seven hundred scientists and finance/ administrative personnel</p>	<p>Training of seven hundred persons</p>	

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	<p><b>7.4) National Academy of Agricultural Research Management</b></p> <p>Improvement in performance of NARS through human resource development initiatives covering: entry/senior level scientists, research managers and finance/administrative functionaries <b>(one year)</b></p>		<p>Conduct of trainings/refresher courses</p>	<p>36 programmes benefiting some 1000 scientists and administrative and finance staff</p>		

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8	AGRICULTURE EXTENSION	<b>7.5) Development and strengthening of agricultural universities</b>	245.00			
		Development of globally competitive human resource through formal education for better employability. Appreciable outcome is seen through engendering course curricula and reducing inbreeding. Appreciable outcome will be visible only in the long term, since investments in education are always investments for the future <b>(one year)</b>		Repair, renovation and updation of learning facilities, construction of girls hostels, lab practicals and library strengthening	Timely admission of 1000 students each in B.Sc. and M.Sc. Ag courses through CET; construction of 20 girls hostels, and repair, renovation and replacement of old and outdated facilities and equipments	
		<b>8.1) Establishment of Krishi Vigyan Kendras(KVKs)</b>		Establishment of new KVKs	100	
		Coverage of KVKs in 551 rural districts from 451, to facilitate technology assessment, refinement, and transfer <b>(one year)</b>				

D/O AGRICULTURAL RESEARCH AND EDUCATION

S. No.	Name of the Programme/ Scheme/ Sector	Objective/Outcome/ (Time Frame)	Plan Outlay*	Quantifiable Deliverables/ Monitorable Activities	Process/Timelines/ Output(April 05 to March 06)	Remarks/ Risk Factor
		<b>8.2) Demonstrations for technology update</b>				
		Establishing production potential of improved agriculture technology on the farmers' fields facilitating its adoption <b>(one year)</b>		Demonstrations of new technology	35,000	The adoption of technology will depend upon State Governments policies and support services.
		<b>8.3) Training of farmers, farm women, trainers (Lakh)</b> a) <b>Farmers/ Farm Women:</b> Improving knowledge and skills of the farmers/farm women <b>(one year)</b>		Training of farmers/farm women	7.50 lakhs	
		b) <b>Extension Activities-</b> Creating awareness of improved technology <b>(one year)</b>		Organizing extension activities for the farmers	15.00 lakh (farmers)	
		c) <b>Trainers/ Extension Personnel</b> Updating extension personnel in improved agricultural technology <b>(one year)</b>		Training of Trainers/ Extension personnel	0.65 lakh (personnel)	

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		d) <b>Availability of technology products-</b> Adoption of agricultural technology <b>(one year)</b>		Availability of technology products to the farmers • Seeds  • Planting material	0.75 lakh qt.  60 lakh	
9	<b>FUND FOR STRATEGIC RESEARCH</b>		50.00			*
<p>* An Expert Committee has been constituted by the Planning Commission under the Chairmanship of Dr. S.S. Johl to examine, prioritize and operationalize the recommendations of the Task Group on Revamping &amp; Refocusing of National Agricultural Research and prepare a strategy to ensure speedy implementation of the Task Group's key recommendations.</p> <p>The Report of Dr. Mashelkar Committee set up for "doing a detailed structural and systematic review of ICAR" is scheduled for discussion by the Hon'ble A.M. on 2<sup>nd</sup> August 2005.</p>						
10	<b>DIVERSIFICATION &amp; OTHER SECTORS</b>	Eco-friendly integrated fish farming technologies for optimal utilization of farm resources for higher returns. <b>(2 years)</b>	136.18	<b>Multiple use of water</b>		
				Integrated fish farming with rice	2 modules	
				Integrated fish farming with cattle, pig, poultry and ducks	4 modules	

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				Breeding and culture of Catfish, Giant freshwater prawn and Ornamental fish culture	6 modules	
				Mariculture of mussels, bivalves, Seabass	3 modules	
		Integrated technology for multi-storey cropping; crop geometry, inter-cropping, and nutrition garden.		<b>Crop Modeling</b> (multi-storey cropping; crop geometry/inter-cropping, nutrition garden)	3 modules	
		Location-specific Suitable varieties of alternate crops such as <i>toria</i> , short duration chickpea, pigeonpea, greengram and blackgram will be available in respect of the diversification of the resource exhausting rice-wheat system ( <b>5 years</b> )		<b>Rice wheat system</b> (Alternate crops and suitable varieties)	2 modules	Long Term approach with a gestation period of 5-7 years
		Suitable varieties for sunflower in areas with assured irrigation, and groundnut in eastern states like Orissa and West Bengal		<b>Crop varieties for non-traditional areas</b>	2 modules	

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S. No.	Name of the Programme/ Scheme/ Sector	Objective/Outcome/ (Time Frame)	Plan Outlay*	Quantifiable Deliverables/ Monitorable Activities	Process/Timelines/ Output(April 05 to March 06)	Remarks/ Risk Factor
		Technology for post harvest handling, storage, and processing technologies to obtaining remunerative price of produce and products		<b>Post harvest technology</b>	3 modules	
		Technology for model farming systems including field and horticultural crops, poultry, animals and/or fish		<b>Model farming systems</b>	3 models	
	<b>TOTAL</b>		<b>1150.00</b>			

*\* Only monitorable activities have been reflected against sectoral approved outlay*