



Strategies, Thrust area for extension and research needs for development of Agriculture & allied sectors in ATMA district of Jharkhand.

Name of the District: Palamau

Year – 2006-07

Dept	Strategy Proposed	Thrust Areas for Extension	Research Need	Activity Proposed for		No. of units proposed		Amount in Lakhs
	4.1	4.3	4.2	Extension	Research	Extension	Research	
A G R I C U L T U R E	Promotion of Bio Pesticide Production	Create awareness on usage of bio pesticides IPM in Arhar, IPM in Paddy, IPM in Groundnut	Appropriate technologies are available.	Demon Training (Vill) Field Days	On Farm Trial	17 04 01	02	0.17+0.50 0.12 0.15
	Promotion of Arhar, Maize, intercropping in Upland	Create Awareness on Quality Seed in use of fertilizer.	Nil	Demonstration Training (Vill) Exposure Visit		17 04 02		0.17 0.12 0.25
	Popularization of latest production technologies of Agriculture crops.	Create Awareness on Babycorn production & marketing.	Nil	Demonstration Training (D) Field Day		16 01 01		0.16 0.15 0.15
	Popularizing the Crops Diversification.	Create Awareness on Bio Fert & production of Vermicompost & BGA.	Nil	Training (Vill) Exposure Visit (D) Field Day		03 02 01		0.09 0.25 0.15
	Popularizing the use of Bio fertilizer & Vermi Compost.	Create Awareness	Nil	Demonstration Training (vill)	On Farm Trial	16 03		0.16+0.50 0.09
	Adoption of Short Duration Varieties of Paddy, Wheat & Other crops.	Create Awareness on Rabi Pulses Production	Nil	Demonstration Training (Vill) Field Days		17 .04 02		0.17 0.12 0.30
	Popularization of Rabbi Pulses Cultivation.	Create Awareness	Nil	Field Days		03		0.45
	Promotion of Commodity based FO	Organizing Farmers, Groups of paddy, pulses, Oilseed.	Nil	Formation of FIG Seed Money/R.F. Rewards & Incentives		20 10 01		1.00 1.00 0.20
	Replication of Success Stories on use of latest Proven Technologies.	Mass Awareness Campaign.	Nil	F-S Interaction Kisan Mela Printing Literature IT-Network.		01 01 05 02		0.10 1.25 0.50 0.40
	Water harvesting and its utilization	Create awareness about water harvesting.		Exposure Visit Training (Vill) Demonstration		01 04 16		0.50 0.12 0.16
	Land leveling for better irrigation efficiency.	Create awareness about benefit of land leveling.		Training (Vill) Demonstration		03 17		0.09 0.17
	Popularization of sprinkler irrigation system.	Awareness about sprinkler irrigation system.		Training (Vill) Demonstration		03 17		0.09 0.17
	Water management for rain feed area	Awareness about water management.		Training (Vill) Demonstration Exposure Visit		03 17 02		0.09 0.17 0.25

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	4.1	4.3	4.2	Extension	Research	Extension	Research	
H O R T I C U L T U R E	Dry Land Horticulture as alternate land use and crop diversification	Create Awareness & Skilled up farmers.	--	Training (Vill.) Training (D/L) Demonstration Exposure Visit Field Day		03 01 16 01 01		0.09 0.15 0.16 0.50 0.15
	Promotion of Organic farming in vegetable cultivation	Create Awareness & Skilled up farmers.	--	Training (Vill.) Demonstration Exposure Visit (S)		03 17 01		0.09 0.17 0.50
	Popularization of medicinal & aromatic plants.	Create Awareness & Skilled up farmers.	--	Training (Vill.) Demonstration		04 17		0.12 0.17
	Mushroom cultivation for women group.	Create Awareness & Skilled up farmers.	--	Training (Vill) Demonstration Field Days		04 17 01		0.12 0.17 0.15
	Popularization of shade net technology.	Create Awareness on Nursery Development.	On Farm Trail	Demon Training (Vill)	On Farm Trail	17 03	01	0.17+0.25 0.09
	Replication of success stories on latest technologies.	Awareness Campaign.	--	Kisan Mela Printing Leaflets IT network. F-S Interaction		01 05 01 01		1.25 0.50 0.20 0.10
	Promotion of Commodity based FO	Organizing Farmers into commodity groups.	--	Formation of FIG Seed Money/R.F. Rewards & Incentives		15 05 01		0.75 0.50 0.20
	Integrated Pest Management	Create awareness about Integrated Pest Management.		Training (D) Demonstration Field Day		01 16 02		0.15 0.17 0.30
	Post harvest and value added preparation of Horticulture product for women.	Create awareness about Post Harvest value added preparation like Jam, Arhar etc.		Training (Vill) Demonstration Exposure Visit		04 16 01		0.12 0.17 0.125

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Name of the District : Palamau Year – 2006-07

Sector	Strategy Proposed		Thrust Areas for Extension	Research Need	Activity Proposed for		No. of units proposed		Amount in Lakhs	
	4.1	4.3	4.2	Extension	Res	Extension	Research			
A N I M A L H U S B A N D R E Y	D A I R Y	Promotion of nutrient enrichment of Agro Waste fodder for dairy animal.	Create awareness on value addition of agro waste as animal feed.	Promotion of Mahua as a substitute animal with other.	Training (Vill) Demonstration		04 25		0.12 0.25	
		Popularization of Vaccination in domestic animals.	Create awareness on vaccination	--	Field Days Training (Vill)		01 04		0.15 0.12	
		Promotion of Green Fodder Production	Create awareness on green fodder for higher milk production.	--	Training (Vill) Demonstration		04 25		0.12 0.25	
		Management of seasonal disease in livestock.	Create awareness on seasonal disease in livestock.	--	Field Days Training (Vill)		01 04		0.15 0.12	
		Popularization of Artificial Insemination in Dairy Animal.	Training of paravet for providing AI at door step (Institutional).		Training (Dist) Exposure Visit		01 02		0.15 0.25	
		P O U L T R Y	Encouraging backyard poultry.	Popularization of Red Divyayan breed of poultry birds for backyard poultry.		Training (Vill) Demonstration		04 21		0.12 0.21
	Organization of training for disease management and feeding of poultry birds.				Training (Vill.)		03		0.09	
	O T H E R	P O U L T R Y	Popularization of Beetal Breeding of Goat Rearing	Create awareness on improved rearing of goats.	--	Exposure Visit Training (Vill)		03 03		0.375 0.09
			Promotion of Commodity based groups.	Organizing farmers groups for better market linkage.	--	Formation of FIG Seed Money/R.F. Rewards & Incentives		10 05 01		0.50 0.50 0.20
			Popularization of latest technologies through success stories.	Mass awareness campaign.	--	Printing leaflets IT Network. . F-S Interaction		05 01 01		0.50 0.20 0.10

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Name of the District : Palamau

Year – 2006-07

Dept	Strategy Proposed	Thrust Areas for Extension	Research Need	Activity Proposed for		No. of units proposed		Amount in Lakhs
	4.1	4.3	4.2	Extension	Res	Extension	Research	
S E R I C U L T U R E	Popularization of rearing of silk worm.	Crete awareness on Tassar / Eril mulberry silk production.		Demon		16		0.16
				Training (Vill.)		04		0.12
				Training (D/L)		01		0.15
				Field Days		01		0.15
	Promotion of textile technology.	Crete awareness on textile technology (Spinning & weaving)		Exposure visit		02		0.25
				Field Days		01		0.15
	Promotion of commodity based FOS.	Organizing farmer groups for better market linkage.		Formation of FIG Seed Money/R.F .Rewards & Incentives		10 05 01		0.50 0.50 0.20
	Replication of success stories on latest technologies.	Mass awareness campaign.		Printing on leaflets		05		0.50
				IT network.		01		0.20

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Year – 2006-07

Dept	Strategy Proposed	Thrust Areas for Extension	Research Need	Activity Proposed for		No. of units proposed		Amount in Lakhs	
	4.1	4.3	4.2	Extension	Research	Extension	Research		
F I S H E R I E S	Pond preparation & adoption of technology higher fish production.	Create awareness on improved production technology.	Appropriate technologies are available.	Demonstration		22		0.22	
				Training(Dist.)		01		0.15	
				Training (Vill.)		13		0.39	
	Introduction of Poly culture in village tank.	Create Awareness		Exposure Visit to CIFA, BBSR			01		0.50
					Field days		01		0.15
	Promotion of Commodity based FOs.	Organizing fish farmer's information groups.			Formation of FIG		10		0.50
					Seed Money/R.F.		05		0.20
					Rewards & Incentives		01		
	Replication of Success Stories on use of latest proven technologies.				Printing Leaflets		05		0.50
					IT Network.		01		0.20

DISTRICT - HRD PLAN

Name of the District : Palamau

Year – 2006-07

Dept	Strategy for development	Training need	Cadre of Participants	Topics for training	No. of training		Name of the Institute for training
					Vill.	Dist.	
Agriculture	Promotion of Bio Pesticide Production	Create Awareness of Bio Pesticide	Farmers	Usage of bio –pesticide for better production	04		
	Promotion of Arhar, Maize, intercropping in Upland.	Arhar & Maize based intercropping.	Farmers	Improved package of practices for Arhar & Maize based intercropping system.	04	--	District Agriculture Office
	Popularization of latest production technologies of Agriculture crops.	Improved techniques of crop production.	Farmers	Improved techniques of crop production (Wheat, Paddy, Maize & Arhar)	--	01	District Agriculture Office
	Popularizing the crops diversification.	Production of Baby Corn as an alternative crop.	Farmers	Improved techniques of baby corn production.	03	--	District Agriculture Office
	Popularizing the use of Bio fertilizer & Vermi Compost.	Create Awareness	Farmers	Use of Bio Fertilizer in Cultivable land.	03	--	District Agriculture Office
	Adoption of Short duration varieties of paddy, wheat & other crops	Importance of Short duration varieties of Wheat, Paddy, Maize & Arhar.	Farmers	Information about short duration varieties & their production techniques.	04	--	District Agriculture Office
	Water harvesting and its utilization	Create awareness about water harvesting.	Farmers	Water harvesting and its utilization	04	--	District Agriculture Office
	Land leveling for better irrigation efficiency.	Create awareness about benefit of land leveling.	Farmers	Land leveling for better irrigation efficiency.	03	--	District Agriculture Office
	Popularization of sprinkler irrigation system.	Awareness about sprinkler irrigation system.	Farmers	Sprinkler irrigation system in Palamau.	03	--	District Agriculture Office
	Water management for rain feed area	Awareness about water management.	Farmers	Water management for rain feed area	03	--	District Agriculture Office
Horticulture	Dry land Horticulture as Alternate land use and crop diversification	Crop Diversification through Dry land Horticulture	Farmers	Production techniques of Guava, Aonla, Ber, Mango & Citrus fruits.	03	01	District Horticulture Office
	Promotion of Organic vegetable cultivation	Organic Vegetable cultivation	Farmers	Techniques of Organic Manures production & improved techniques of veg. cultivation.	03	--	District Horticulture Office
	Popularization of medicinal & aromatic plants.	Promotion of Medicinal & Aromatic Plants	Farmers	Importance & improved techniques of cultivation of Medicinal & Aromatic Plants.	04	--	District Horticulture Office
	Mushroom cultivation for women group.	Create Awareness & Skilled up farmers.	Farmers	Mushroom cultivation - production & management.	04	--	KVK/ZRS, Chainki
	Integrated Pest Management	Create awareness about Integrated Pest Management.	Farmers	Integrated Pest Management in cultivable land.	--	01	District Horticulture Office

	Post harvest and value added preparation of Horticulture product.	Create awareness about Post Harvest value added preparation like Jam, Achar etc.	Farmers	Production and marketing of value added preparation of Horticulture product.	04	--	KVK/ZRS, Chainki
Animal Husbandry	Promotion of nutrient enrichment of Agro Waste fodder for dairy animal.	Create awareness on value addition of agro waste as animal feed.	Farmers	Nutrient enrichment of Agro Waste fodder for dairy animal.	04	--	Department of Animal Husbandry
	Popularization of Vaccination in domestic animals	Create Awareness on Vaccination	Farmers	Method of Vaccination in Domestic Animals	04	--	
	Promotion of Green Fodder Production	Create awareness on green fodder for higher milk production.	Farmers	Green Fodder Production & procurement	04	--	Department of Animal Husbandry
	Popularization of Artificial Insemination in Dairy Animal.	Training of paravet for providing AI at door step (Institutional).	Farmers	Artificial Insemination in Dairy Animal.	--	01	KVK/ZRS, Chainki
	Encouraging backyard poultry.	Popularization of Red Divyayani breed of poultry birds for backyard poultry.	Farmers	Red Divyayani breed of poultry birds for backyard poultry production & management.	04	--	Department of Animal Husbandry
		Organization of training for disease management and feeding of poultry birds.	Farmers	Disease management and feeding of poultry birds	03	--	Department of Animal Husbandry
	Popularization of Beetal Breeding of Goat Rearing	Create awareness on improved rearing of goats.	Farmers	Goat farming in rural area	03	--	Department of Animal Husbandry
	Management of seasonal disease in livestock	Awareness on Seasonal Disease in Livestock	Farmers	Management of Seasonal Disease	04	--	KVK/ZRS, Chainki
Fish	Pond preparation & adoption of technology for higher fish production.	Create awareness of fish production.	Farmers	techniques of pond preparation & higher fish production.	13	01	Department of Fisheries
Seri	Popularization of rearing of silk worm (Tassar)	Crete Awareness about Silk production.	Farmers	Improved techniques rearing of Silk worm and silk production	04	01	Department of Industries (Seri)
TOTAL :-							
ABSTRACT : Training of farmers at village level : 95 District Level : 06							

Table No. 6 – C

9.3. Agriculture Management Technology Management Agencies (ATMAs)

Name of the State : Jharkhand

Name of ATMA District : Palamau

Total no of Blocks : 12

B. District Level Activities*

(Rs. in lakh)

S. No.	Activity	Number of beneficiaries to be covered			Number of Units/ activity	Cost per Unit/ activity	Total Fund required	Contribution from the Scheme	Beneficiary contribution	Contribution from any other scheme	SEWP 05 –0 6	
		Men	Women	Total							Allocation	Expenditure up to 31-03-06
I. Farmer Oriented Activities												
B.1	Developing SREP	--	--	--	01	2.00	2.00	2.00				
B.2	Training of Farmers											
➤	District Level	160	80	240	06	0.15	0.90	0.90			0.845	0.845
➤	Village Level	4200	2450	6650	95	0.03	2.85	2.85			1.612	1.612
B.3	Organizing Demonstrations	300	75	375	375	0.01	3.75	3.75			2.00	2.00
B.4	Exposure visits of farmers with maximum duration of five days + travel time											
➤	Inter-State	70	30	100	04	0.50	2.00	2.00			0.537	0.537
➤	Inter-District	300	120	420	14	0.125	1.75	1.75			1.28	1.28
B.5	Mobilization of Farmers' Groups – FIG/ WIG/FOs/COs/ FCs											
➤	Their Capacity building, skill development and support services	700	275	975	65	0.05	3.25	3.25			1.90	1.90
➤	Seed money/ revolving funds	--	--	-	30	0.10	3.00	3.00			2.00	2.00
B.6	Rewards/ incentives to best organized groups – representing different enterprises (5 groups)	70	20	90	05	0.20	1.00	1.00				
	T O T A L	5800	3050	8850			20.50	20.50			10.174	10.174

*Consolidated information for all the ATMA districts to be provided.

Table. 6-C (contd...)

(Rs. in lakh)

S. No.	Activity	Number of beneficiaries to be covered			Number of Units/ activity	Cost per Unit/ activity	Total Fund required	Contribution from the Scheme	Beneficiary contribution	Contribution from any other scheme	SEWP 05-06	
		Men	Women	Total							Allocation	Expenditure up to 31-03-06
II. Farm Information Dissemination												
B.7	District level exhibition/ kisan melas/ fruit/vegetable shows	400	200	600	02	1.25	2.50	2.50			1.00	1.00
B.8	Farm Information Dissemination through printed leaflets, etc. and advertisement	2500	2500	5000	25	0.10	2.50	2.50			1.00	1.00
B.9	Development of technology package on electronic form to be shared through IT network	500	100	600	06	0.20	1.20	1.20			0.66	0.66
	T O T A L	3400	2800	6200			6.20	6.20			2.66	2.66
III. Agricultural Technology Refinement, Validation and Adoption												
B.10	Farmer- Scientist Interaction at District level (25 farmers for two days)	60	30	90	03	0.10	0.30	0.30			0.20	0.20
B.11	Organization Field Days and Kisan Goshties to strengthen R-E-F linkages (1 per block in each season)	1200	500	1700	17	0.15	2.55	2.55			1.50	1.50
B.12	Assessment, Refinement, Validation and Adoption of Frontline Technologies & Researchable issues through KVKs and other local Research Centres	--	--	--	05	0.25	1.25	1.25			0.50	0.50
	T O T A L	1260	530	1790			4.10	1.10			2.20	2.20

Table N0. 6 – C (contd...)

(Rs. in lakh)

S. No.	Activity	Number of beneficiaries to be covered			Number of Units/ activity	Cost per Unit/ activity	Total Fund required	Contribution from the Scheme	Beneficiary contribution	Contribution from any other scheme	SEWP 06-07	
		Men	Women	Total							Allocation	Expenditure up to 31-03-06
IV. Administrative/Capital Expenses												
B.13	Establishment of ATMA like Institutions											
	Recurring											
➤	TA/DA					1.00	1.00			0.50	0.50	
	Operational Expenses for district level**					2.00	2.00			1.00	1.00	
➤	Operational expenses exclusively for block level**					2.00	2.00					
➤	Hiring of vehicle / POL					1.00	1.00			0.50	0.50	
	Non-Recurring					--	--					
➤	Equipment*											
➤	Civil works and refurbishing of ATMA office*											
B.14	Establishment of Block level Farm Information and Advisory Centres											
➤	Providing IT application for effective connectivity											
	T O T A L					6.00	6.00			2.00	2.00	
C.	Innovative Activities											
C.1	State Level Activities											
➤	Implementation of Extension Activities through Agri Entrepreneurs trained under Agri-clinic scheme					--	--			--	--	
C.2	District Level Activities											
➤	Support for District Level training institutions – It may include both operational expenses** and non-recurring expenditure.					2.50	2.50			--	--	

Sector Wise Break-up Of Proposals Under State Extension Work Plan (SEWP) For 2006-07

Name of the State : **JHARKHAND**

Name of the District : **Palamau**

Total No. of Blocks : **12**

Sl. No.	Sector/Sub Sector	Activities								Others		Dev. of E-Package	SREP (Revisit)	Sector wise grand total
		Demonstration	Training	Exposure Visits	Field Days	Kisan Mela	Mobilization of FOs	Reward & Incentives	Assess & Refinement of Tech.	Farmers Scientist Interaction	Farmer Information Dissemination			
1	Agriculture													
	Productivity Improvement													
	Cereals	0.33	0.27	0.25	0.15	--	2.00	--	--	--	--	--	--	3
	Oilseeds	--	--	--	--	--	--	--	--	--	--	--	--	
	Pulses	0.17	0.12	--	0.75	--	--	--	--	--	--	--	--	1.04
	Others	0.67	0.39	--	--	--	--	--	--	--	--	--	--	1.06
	INM	0.16	0.18	0.25	0.15	1.25	--	--	--	--	--	--	--	1.99
	IPM	0.17	0.12	--	0.15	--	--	--	--	--	--	--	--	0.44
	Others	--	--	0.75	--	--	--	0.20	1.00	0.10	0.50	0.40	--	2.95
	Total	1.50	1.08	1.25	1.20	1.25	2.00	0.20	1.00	0.10	0.50	0.40	--	10.48
2	Animal Husb.													
	Dairy	0.50	0.72	0.25	0.15	--	0.50	0.20	--	0.10	0.30	--	--	2.72
	Poultry	0.21	0.21	0.375	0.15	--	0.50	--	--	--	0.20	0.20	--	1.845
	Total	0.71	0.93	0.625	0.30	--	1.00	0.20	--	0.10	0.50	0.20	--	4.565
3	Horticulture	1.16	0.93	1.125	0.60	1.25	1.25	0.20	0.25	0.10	0.50	0.20	--	7.565
4	Sericulture	0.16	0.27	0.25	0.30	--	1.00	0.20	--	--	0.50	0.20	--	2.88
5	Fisheries	0.22	0.54	0.50	0.15	--	1.00	0.20	--	--	0.50	0.20	--	3.31
6	Social Forestry	--	--	--	--	--	--	--	--	--	--	--	--	--
7.	NRM	--	--	--	--	--	--	--	--	--	--	--	--	--
8	Others	--	--	--	--	--	--	--	--	--	--	--	2.00	2.00
	Grand Total	3.75	3.75	3.75	2.55	2.50	6.25	1.00	1.25	0.30	2.50	1.20	2.00	30.80

