

PARA – 4.1, 4.2 AND 4.3

NAME OF THE DISTRICT : DUMKA

STRATEGIES, THRUST AREAS FOR EXTENSION AND RESEARCH NEEDS FOR DEVELOPMENT OF AGRICULTURE & ALLIED SECTORS IN ATMA DISTRICTS OF JHARKHAND

DEPT	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARCH NEED	ACTIVITY PROPOSED FOR		NO OF UNITS PROPOSED		AMOUNT IN LAKHS	
				EXTENSION	RESEARCH	EXTENSION	RESEARCH		
	4.1	4.3	4.2						
A G R I C U L T U R E	Popularizing the Use of Bio-fertilizer and Vermi-compost	Create Awareness on Biofertiliser and Vermicompost	Appropriate Technology are available.	Training (vill)		05		0.15	
				Demon		15		0.15	
	Popularization of latest technology production technique of Rice (Kharif) and lentil (Rabi)	Create awareness on Improved seed & INM in Kharif & Rabi			Training (dist)		01		0.15
					Field days		01		0.15
					Demon.		60		0.60
	Promotion of Bio-pesticides production	Create awareness on production & usage of Bio-pesticide : IPM in Paddy/ Maize IPM in Arhar IPM in Mustard/ Moong	Appropriate Technologies are Available		Training (dist)		01		0.15
					Demon.	FLD	15	02	0.35
					Demon	FLD	15	02	0.35
					Demon.	FLD	15	02	0.35
	Diversification of cropping systems incorporating use of low water	Create awareness on low water consuming crop like Arhar and Niger			Training(dist)		01		0.15
Training (vill)						05		0.15	
Exposure Visit						03		0.60	
Increasing the production in pulses	Improved seed & crop management	Appropriate Technology available		Training (dist)		01		0.15	
				Training (vill)		04		0.12	
				Field days		01		0.15	
				Exposure Visit		01		0.80	
Mobilization of FO's	Promotion of Farmers Group			Formation of FIG		12		0.60	
				Rewards & incentive		01		0.20	
Replication of Success Stories on use of latest Proven Technologies	Mass Awareness Campaign			FS Interaction		01		0.10	
				Printing Literature		06		0.60	
				IT-Network		01		0.20	
Self Sufficiency in quality seed production in pulses	Seed village with rev. Fund	Breeder Seed Available.		Providing Foundation seed		8 groups		0.80	

PARA – 4.1, 4.2 AND 4.3								
NAME OF THE DISTRICT : DUMKA								
STRATEGIES, THRUST AREAS FOR EXTENSION AND RESEARCH NEEDS FOR DEVELOPMENT OF AGRICULTURE & ALLIED SECTORS IN ATMA DISTRICTS OF JHARKHAND								
DEP T	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARCH NEED	ACTIVITY PROPOSED FOR		NO OF UNITS PROPOSED		AMOU NT IN LAKH S
				EXTENSION	RES	EXTENSIO N	RESEARCH	
	4.1	4.3	4.2					
H O R T I C U L T U R E	Popularization of latest Nursery management of vegetable and Papaya	Create Awareness on Improved nursery management	Appropriate Technology are available.	Training(dist) Demon		01 20		0.15 0.20
	Promotion of Organic Farming of veg. crops	Create Awareness on Cultivation of vegetable with organic manure	do	Training (vill) Exposure visit Demons.		04 01 20		0.12 0.20 0.20
	Identification & Popularization of package of Practices of Potato & Pea	Improved Seed and nutrition management	Identification of technology package & assessment of production	Demons Field day	FLD	20 02	04	0.60 0.30
	Better water management through micro irrigation	Surface water harvesting	Appropriate Technology are available.	Training (vill)		05		0.15
	Popularization of Post harvest technology in vegetables & fruits	Short period preservation for value addition of crops		Training (vill) Kisan Mela		05 01		0.15 1.00
	Improvement in vegetables production	Production Management		Providing quality seed through rev. fund		06 group		0.60
	Mobilization of FO's			Formation of FIG's Reward & incentive		12 01		0.60 0.20
	Replication of Success Stories	Awareness Campaign	-	Printing Leaflets IT Network F-S Interaction	--	06 01 01		0.60 0.20 0.10

PARA – 4.1, 4.2 AND 4.3								
NAME OF THE DISTRICT : DUMKA								
STRATEGIES, THRUST AREAS FOR EXTENSION AND RESEARCH NEEDS FOR DEVELOPMENT OF AGRICULTURE & ALLIED SECTORS IN ATMA DISTRICTS OF JHARKHAND								
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	
A N I M A L H U S B N D R Y	Popularization of Vaccination Bird & Animal	Create Awareness on Vaccination for prevention of diseases in Poultry & Animal	Appropriate technology available	Training (dist)		1		0.15
	Mass Vaccination in Village level	Vaccination in village level for prevention of diseases	-do-	Demon.	-	20	-	0.20
	Promotion of Green Fodder Production	Create awareness on green fodder (Napier/Berseem) for higher Milk production	-do-	Training (vill)	-	03	-	0.09
				Exposure Visit		1		0.20
				Demonstration		15		0.15
	Management of Livestock	Create Awareness on Improved Breed & their management	Appropriate Technology are available	Exposure Visit		01		0.80
				Pasu Mela		01		1.00
	Popularization of Integrated Farming (PIG-FISH-DUCK-POULTRY) and goatery through Success Stories	Mass Awareness Campaign		Training (vill)		03		0.09
Printing Leaflet					01		0.10	
IT Network					01		0.20	
Introduction of improved breed of poultry, duck, goat & pig	Breed improvement		Printing of leaflet		04		0.40	
			Training (vill)		04		0.12	
Promotion of Commodity based FOS	Organizing farmer groups for better market linkages		Formation of FIG		12		0.60	
			Reward & incentive		01		0.20	

PARA – 4.1, 4.2 AND 4.3

NAME OF THE DISTRICT : DUMKA

STRATEGIES, THRUST AREAS FOR EXTENSION AND RESEARCH NEEDS FOR DEVELOPMENT OF AGRICULTURE & ALLIED SECTORS IN ATMA DISTRICTS OF JHARKHAND

DEP T	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARCH NEED	ACTIVITY PROPOSED FOR		NO OF UNITS PROPOSED		AMOU NT IN LAKH S
				EXTENSION	RES	EXTENSION	RESEARCH	
	4.1	4.3	4.2					
F I S H E R I E S	Popularization of composite fish farming	Six layer farming	Appropriate technology available.	Training (vill)		05		0.15
				Demon		15		0.15
	Promotion of improved fish seed Fingerlings production	Create Awareness on fish seed production		Training (vill)		04		0.12
				Demon		13		0.13
				Exposure Visit		01		0.20
				Field days		02		0.30
	Promotion of post harvest technology & value addition	Value addition	Appropriate Technology available.	Training(vill)		03		0.09
				Demon		15		0.15
			Kisan Ghosti		02		0.30	
Popularization of new technique in pisciculture	Pond Management		Training (vill)		05		0.15	
Improvement of Fish production	Pond management		Providing improved fish seed and fish feed through Rev. Fund		05 group		0.50	
Promotion of Commodity based FOs	Organizing Fish farmers into groups.		Formation of FIG Rewards & Incentives		07 01		0.35 0.20	
Replication of Success Stories on use of Latest Proven Technologies			Printing Leaflets IT Network		02 01		0.20 0.20	

PARA – 4.1, 4.2 AND 4.3

NAME OF THE DISTRICT : DUMKA

STRATEGIES, THRUST AREAS FOR EXTENSION AND RESEARCH NEEDS FOR DEVELOPMENT OF AGRICULTURE & ALLIED SECTORS IN ATMA DISTRICTS OF JHARKHAND

DEP T	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARCH NEED	ACTIVITY PROPOSED FOR		NO OF UNITS PROPOSED		AMOU NT IN LAKH S
				EXTENSION	RES	EXTENSION	RESEARCH	
	4.1	4.3	4.2					
S E R I C U L T U R E	Improvement in production of Tassar cocoon	Create awareness on prevention & control in tassar silk worm diseases	Appropriate technology available	Training (vill)		04		0.12
				Demon		10		0.10
				Exposure visit		01		0.20
				Field days		01		0.15
	Popularization of Cooperative grain age	Create Awareness on cooperative grainage for production tassar DFLs	D0	Training (vill)		04		0.12
				Demon.		10		0.10
				Kisan Ghosti		01		0.15
Tassar Silk Weaving	Value Addition of tasssar cocoon	Do	Training (vill)		04		0.12	
			Demonstration		12		0.12	
Self Sufficiency in Tassar DFLS	Mass production of tassar DFLs	Appropriate Technology are available.	Providing DFL through Rev. Fund.			06 group		0.60
Promotion of Commodity based FOs	Organizing farmer groups for better market linking.		Formation of FIG Rewards & Incentives			07		0.35
						01		0.20
Replication of Success Stories on use of Latest Proven Technologies			Printing Leaflets			02		0.20
			IT Network			01		0.20

PARA – 4.1, 4.2 AND 4.3

NAME OF THE DISTRICT : DUMKA

**STRATEGIES, THRUST AREAS FOR EXTENSION AND RESEARCH NEEDS FOR DEVELOPMENT OF AGRICULTURE & ALLIED SECTORS IN ATMA
DISTRICTS OF JHARKHAND**

DEP T	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARCH NEED	ACTIVITY PROPOSED FOR		NO OF UNITS PROPOSED		AMOU NT IN LAKH S
				EXTENSION	RESEARC H	EXTENSIO N	RESEARCH	
	4.1	4.3	4.2					
S O I L C O N S	Adoption of soil conservation measures	Community awareness on bunding of fields and nalas	Appropriate technology are available	Training (vill)	-	3		0.09
	Barren Land Development	Community awareness on afforestation (i.e. plantation of firewood and jatropa) on participatory		Demon		10		0.10

NAME OF THE DISTRICT: DUMKA – HRD PLAN

DEPT	STRATEGY FOR DEVELOPMENT	TRAINING NEED	CADRE OF PARTICIPANT	TOPICS FOR TRAINING	NO. OF TRAINING	NAME OF THE INSTITUTE FOR TRAINING
AGRI.	Popularizing the use of Biofertilizer & Vermicompost	Vermicompost, Vermiwash & Biofertilizer	Farmers	Production & use of Vermicompost & Biofertilizers	5	Village Level
	Popularization of latest prodn techniques of Rice(Kharif) & Lentil (Rabi)	Adoption of technology & awareness on HYVz of Rice & Lentil	Farmers	HYVs and Package of practices of Rice & Lentil	1	ATMA, Dumka
	Promotion of Bio-pesticides Production	Bio-pesticides production at farm level	Farmers	Production of NPV at farm level	1	KVK/ ZRS, Dumka
	Diversification of cropping systems incorporating use of low water	Alternate Cropping systems with respect to paddy based farming system	Farmers	Production techniques of ID crops like maize, Jawar etc.	6	ATMA/ village Level
	Increasing the production in pulses	High Yielding Technologies	Farmers	Adoption of low cost Technologies and use of improved varieties	5	ATMA/ village Level
HORT	Popularization of latest Nursery Management of Vegetables & Papaya	Nursery Raising of vegetables and fruits	Farmers	Nursery raising of vegetables & fruits	1	Village Level
	Promotion of Organic Farming of veg. Crops	Organic farming of vegetable crop	Farmers	Organic farming in vegetables	7	Village Level
	Better Water Management through micro irrigation	Water management	Farmers	SRI Cultivation	5	Village Level
	Popularization of Post Harvest Technologies in Vegetables & Fruits	Post harvest technology of fruits & vegetables	Farmers	Production and processing of fruits & vegetables.	5	Village Level
Animal Husb	Popularization of Vaccination of Bird & Animal	Vaccination in Bird & Animal	Farmers	Vaccination of Bird & Animal	1	Dist. Level
	Promotion of Green Fodder	Fodder Production & Fodder seed production	Farmers	Fodder Production & fodder seed production	3	Village Level
	Popularization of Integrated Farming (Pig-Fish-Duck-Poultry) and Goatery	Integrated Fish farming	Farmers	Integrated Fish farming Technology	3	Village Level
	Introduction of Improved Breed of Poultry, Duck, Goat & Pig	Improved Breed for household animal	Farmers	Improved breed of animals	4	Village Level

FISH	Popularization of Composite Fish Farming	Popularizing composite fish farming	Farmers	Popularizing composite fish farming	5	Village Level
	Promotion of Fish Seed Fingerlings Production	Promotion of improved seed of fish	Farmers	Management techniques of improved fish variety	4	Village Level
	Promotion of Post harvest technology & Value Addition	Processing of By-products – Development of Fish women	Farmers	Processing of By-products of fish development of fishermen	3	Village Level
	Popularization of new Technique in Pisciculture	Water management of shrimp culture in reservoir system Disease management & Introduction of alternate fish & prawn	Farmers	Water management of shrimp culture in reservoir system Disease management & Introduction of alternate fish & prawn	5	Village Level
SERI	Improvement in production of Tassar Cocoon	Production of Tassar cocoon	Production techniques of Tassar cocoon	Production techniques of Tassar Cocoon	4	Village Level
	Popularization of Cooperative grain age	Promotion of Grainage	Farmers	Promotion of grainage through cooperative	4	Village Level
	Tassar Silk Weaving	Tassar Soil Weaving	Farmers	Technology of Tassar Soil Weaving	4	Village Level
Soil Cons.	Adoption of Soil Conservation Measures	Soil Conservation	Farmers	Soil & Rainwater Management	3	Village Level
ABSTRACT: Training to farmers at village Level : 70 District Level : 6						