

TABLE - 1NAME OF THE DISTRICT : **DUMKA, JHARKHAND****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		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTENSION	RESEARCH	
A G R I C U L T U R E	Expansion of area under cereals, pulses & oilseed	Awareness on improved seed and crop management	Appropriate Technology available	Training (Dist)		01		0.15
				Training (Vill)		05		0.15
				Demonstration		20		0.20
				Exposure Visit		01		0.50
	Popularisation of new technology of Rice Cultivation	SRI cultivation	“	Training (Vill)		06		0.18
				Demonstration		20		0.20
				Exposure Visit		02		0.25
	Training on Soil testing	Soil testing	“	Training (Dist)		01		0.15
				Field Days		03		0.45
	Popularisation of INM, IPM	INM / IPM	“	Demonstration	FLD	20	02	0.20+0.50
	Mixed / Inter cropping	Pulses and oilseed	“	Demon		20		0.20
				Training (Vill)		05		0.15
				Exposure Visit		02		0.25
Promotion of Commodity based FOs	Organising farmers in to groups	“	Formation of FIG		13		0.65	
			Seed Money/ RF		07		0.70	
			Rewards & Incentives		01		0.20	
Replication of Success stories of Proven Technologies	Mass Awareness Campaign		F-S Interaction		01		0.10	
			Kisan Mela		01		1.25	
			Printing of Leaflet		05		0.50	
			IT Network.		01		0.20	

TABLE - 1

NAME OF THE DISTRICT : **DUMKA, JHARKHAND**

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		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTENSION	RESEARCH	
H O R T I C U L T U R E	Expansion of area under vegetable Production	Awareness on improved seed and crop management	Appropriate Technology available	Training (Dist) Training (Vill) Demonstration Exposure visit		01 05 20 02		0.15 0.15 0.20 0.25
	Promotion of Organic Vegetable production	Create awareness on vegetable production with organic manure	"	Training (Dist) Demonstration		01 20		0.15 0.20
	Post harvest technology of vegetable and Fruits	Short period preservation and value addition	"	Training (vill) Field Days		05 01		0.15 0.15
	Popularization of Vegetable nursery management	Create awareness on nursery raising under poly/green house	"	Training (vill) Field days Exposure visit		05 01 02		0.15 0.15 0.25
	Maintenance of fruit plants	Precaution and prevention of fruit plants from diseases	"	Training (vill) Field Days		06 01		0.18 0.15
	Promotion of Commodity based FOs	Organizing farmers in to groups	"	Formation of FIGs Seed Money Rewards & incentives		13 06 01		0.65 0.60 0.20
	Identification of package & practices of potato, Pea, Mustard etc.	Improved seed & nutrient mgt.	technology package & assessment of production	Demon Training (Vill)	FLD	20 06	03	0.20+0.75 0.18
	Replication of Success stories of Proven Technologies	Mass Awareness Campaign		F-S Interaction Kisan Mela Printing of Leaflet IT Network.		01 01 04 01		0.10 1.25 0.40 0.20

TABLE - 1NAME OF THE DISTRICT : **DUMKA, JHARKHAND**

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		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTENSION	RES	
ANIMAL HUSBANDRY	Promotion of livestock Management	Awareness on management of livestock for income generation	Appropriate Technology available	Training (vill)		06		0.18
				Exposure visit		01		0.50
	Popularization of Artificial Insemination	Create awareness on Artificial Insemination	"	Demonstration		20		0.20
				Field Days		01		0.15
	Popularization of Improved breed of Poultry, Duck, Goat and Pig	Breed Improvement	"	Training (Dist)		01		0.15
				Exposure Visit		02		0.25
	Promotion of green fodder	Create awareness on green fodder for higher milk production	"	Demonstration		20		0.20
				Kisan Gosti		01		0.15
Popularization of vaccination in Bird and animal	Create awareness on vaccination for prevention of diseases in poultry and animal	"	Training (Dist)		01		0.15	
			Demonstration		18		0.18	
			Kisan gosti		01		0.15	
Promotion of Commodity based FOs	Organizing farmers in to groups	"	Formation of FIGs		13		0.65	
			Seed Money		06		0.60	
			Rewards & Incentives		01		0.20	
Replication of Success stories of Proven Technologies	Mass Awareness Campaign		F-S Interaction		01		0.10	
			Printing of Leaflet		04		0.40	
			IT Network.		01		0.20	

TABLE - 1NAME OF THE DISTRICT : **DUMKA, JHARKHAND**

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	RESEARC H NEED	ACTIVITY PROPOSED		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTENSION	RES	
F I S H E R Y	Introduction of Composite fish farming	Multi layer fish farming	Appropriate Technology available	Training (vill)		06		0.18
				Demonstration		20		0.20
				Exposure visit		02		0.25
	Promotion of improved fish seed (Fingerlings) production	Create awareness on fish seed production	“	Training (Dist)		01		0.15
				Demonstration		20		0.20
				Exposure visit		01		0.125
				Field days		01		0.15
Popularization of Net weaving	Awareness on net weaving	“	Training (vill)		06		0.18	
			Field Days		01		0.15	
Post harvest technology and value addition of fish	Value addition of fish for income generation	“	Field Days		01		0.15	
Promotion of commodity based FOs	Organizing fish farmers in to groups	“	Formation of FIGs		12		0.60	
			Seed money		06		0.60	
			Rewards & Incentives		01		0.20	
Replication of Success stories of Proven Technologies	Mass Awareness Campaign		Printing of Leaflet		04		0.40	
			IT Network.		01		0.20	

TABLE - 1NAME OF THE DISTRICT : **DUMKA**, JHARKHAND**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		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTENSION	RES	
S E R I C U L T U R E	Expansion of area under tassar rearing	Create awareness on tassar rearing	Appropriate Technology available	Training (vill)		05		0.15
				Demonstration		23		0.23
				Exposure visit		02		0.25
				Kisan Ghosthi		01		0.15
	Popularization of cooperative grainage	Create awareness on cooperative grainage for production of tassar DFLs	“	Training (vill)		05		0.15
				Demonstration		22		0.22
				Field days		01		0.15
	Improvement in quality tassar cocoon production	Prevention and control measures in tassar silk worm	“	Training (Dist)		01		0.15
				Demonstration		23		0.23
				Field Days		01		0.15
	Post harvest technology of tassar cocoon (reeling, spinning and weaving)	Value addition of tassar cocoon for income generation	“	Training (vill)		05		0.15
				Demonstration		22		0.22
Exposure visit					02		0.25	
Promotion of commodity based FOs	Organizing fish farmers in to groups	“	Formation of FIGs		12		0.60	
			Seed Money		06		0.60	
			Rewards & Incentives		01		0.20	
Replication of success stories	Awareness campaign	“	Printing of Leaflet		05		0.50	
			IT Network		01		0.20	

TABLE - 1NAME OF THE DISTRICT : **DUMKA, JHARKHAND****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	RESEARC H NEED	ACTIVITY PROPOSED		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RESEARCH	EXTENSION	RESEARCH	
S O I L C O N S E R V A T I O N	Adoption of soil / water conservation measures	Community awareness on bunding of fields	Appropriate Technology available	Training (Dist)		01		0.15
				Exposure visit		01		0.50
	Barren land development	Create awareness on afforestation (i.e. plantation of firewood and jatropa) on participatory	“	Training (vill)		06		0.18
				Demonstration		24		0.24
				Field Days		01		0.15
	Popularisation low cost indigenous method of water harvesting techniques	Soil and water conservation	“	Demonstration		23		0.23
				Kisan gostis		01		0.15
				Exposure visit		01		0.125
	Replication of success stories	Awareness campaign	“	Printing of Leaflet		03		0.30
				IT Network		01		0.20

HRD PLAN
NAME OF THE DISTRICT - DUMKA

Name of Department	Strategy for HRD as per SREP	type of participants*	Topics for training based on training needs	No. of trainings	Name of institute
Agriculture	Expansion area under cereals, pulses & oilseed	Farmers	Adoption of new technology & awareness on HYV and crop management	01 (Dist) 05 (Vill)	ATMA, Dumka Village level
	Popularisation of new technology of Rice Cultivation	Farmers	SRI cultivation	06 (Vill)	Village level
	Training on Soil testing	Extension official	Soil testing	01 (Dist)	BAU, Ranchi
	Mixed / Inter cropping	Farmers	Mixed / Inter cropping of Pulses and Oilseed	05 (Vill)	Village level
Horticulture	Expansion area under vegetable Production	Farmers	Adoption of new technology & awareness on HYV and crop management	01 (Dist) 05 (Vill)	ATMA, Dumka Village level
	Promotion of Organic Vegetable production	Farmers	Organic farming of vegetables	01 (Dist)	ATMA, Dumka
	Post harvest technology of vegetable and Fruits	Farmers	Post harvest technology of vegetable and Fruits	05 (Vill)	Village level
	Popularisation of Vegetable nursery management	Farmers	Nursery raising of fruits and vegetables	05 (Vill)	Village level
	Maintenance of fruit plants	Farmers	Maintenance of fruit plants in the Orchard	05 (Vill)	Village level
Animal Husbandry	Promotion of livestock Management	Farmers	Livestock Management	06 (Vill)	Village level

	Popularisation of Improved breed of Poultry, Duck, Goat and Pig	Farmers	Training on Poultry, Duck, Goat & Pig farming	01 (Dist)	ATMA, Dumka
	Popularisation of vaccination in Bird and animal	Farmers	Mass Vaccination	01 (Dist)	ATMA, Dumka
Fishery	Introduction of Composite fish farming	Farmers	Composite fish farming	06 (Vill)	Village level
	Promotion of improved fish seed (Fingerlings) production	Farmers	Improved fish seed (Fingerlings) production	01 (Dist)	ATMA, Dumka
	Popularisation of Net weaving	Farmers	Net weaving	06 (Vill)	Village level
Sericulture	Expansion of area under tassar rearing	Farmers	New techniques of tassar rearing	05 (Vill)	Village level
	Popularisation of cooperative grainage	Farmers	Cooperative grainage	01 (Dist)	Village level
	Improvement in quality tassar cocoon production	Farmers	Quality tassar cocoon production	01 (Dist)	ATMA, Dumka
	Post harvest technology of tassar cocoon (reeling, spinning and weaving)	Farmers	Value addition of Tassar cocoon	05 (Vill)	Village level
Soil conservation	Adoption of soil / water conservation measures	Farmers	Soil and water conservation	01 (Dist)	ATMA, Dumka
	Barren land development	Farmers	Utilisation barren land	06 (Dist)	Village level
ABSTRACT – TRAINING AT VILLAGE LEVEL - 75			TRAINING AT DISTRICT LEVEL - 09		

Table No. 6

Agriculture Management Technology Management Agency (ATMA)

Name of the State : **JHARKHAND**Districts : **DUMKA**Total no of Blocks : **10 (TEN)****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	180	90	270	09	0.15	1.35	1.35			0.845	0.845
➤	Village Level	300 0	1000	400 0	80	0.03	2.40	2.40			1.612	1.612
B.3	Organizing Demonstrations	200	175	375	375	0.01	3.75	3.75			2.50	2.50
B.4	Exposure visits of farmers with maximum duration of five days + travel time											
➤	Inter-State	50	25	75	03	0.50	1.50	1.50			0.537	0.537
➤	Inter-District	250	100	350	18	0.125	2.25	2.25			1.28	1.28
B.5	Mobilization of Farmers' Groups – FIG/ WIG/FOs/COs/ FCs											
➤	Their Capacity building, skill development and support services	700	245	945	63	0.05	3.15	3.15			1.90	1.90
➤	Seed money/ revolving funds	300	165	465	31	0.10	3.10	3.10			2.00	2.00
B.6	Rewards/ incentives to best organized groups – representing different enterprises (5 groups)	50	25	75	05	0.20	1.00	1.00				
	TOTAL	4730	1825	6555			20.50	20.50			10.674	10.674

Table. 6 (contd...)

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	(Rs. in lakh)	
		Men	Women	Total							SEWP 05-06	Allocation
II. Farm Information Dissemination												
B.7	District level exhibition/ kisan melas/ fruit/vegetable shows	250	150	400	02	1.25	2.50	2.50			1.00	1.00
B.8	Farm Information Dissemination through printed leaflets, etc. and advertisement	3000	1000	4000	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
	TOTAL	3750	1250	5000			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)	70	20	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)	800	220	1020	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
	TOTAL	870	290	1110			4.10	4.10			2.20	2.20

Table N0. 6 (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	--	--	--	--	--	1.25	1.25			0.50	0.50
	Operational Expenses for district level**	--	--	--	--	--	2.50	2.50			1.00	1.00
➤	Operational expenses exclusively for block level**						2.50	2.50				
➤	Hiring of vehicle / POL	--	--	--	--	--	1.25	1.25			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	--	--	--	--	--					--	--
	TOTAL						7.50	7.50			2.00	2.00
C.	Innovative Activities											
C.1	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: **DUMKA**

Number of Blocks – 10

S No.	Sector/ Sub-sector	Activities												Sector wise grand total
		Demonstration	Training	Exposure Visits	Field days*	Kisan Mela	Mobilization of FOs	Reward & Incentives	Assess & Refinement of Tech	Others				
										Farmer Scientist interaction	Farm Inf. Dessimination	Dev. of E-Package	SREP	
1.	Agriculture													
	Productivity Improvement													
	Cereals	0.20	0.18	0.25	--		0.30				0.10			1.03
	Oilseeds	0.20	0.15	0.25	--		0.30				0.10			1
	Pulses	0.20	0.15	0.50	--		0.30				0.10			1.25
	Others	--	--		--		0.15				0.10	0.20	--	0.45
	INM	0.20	--	--	--	--	--	--	0.50	--	--	--	--	0.7
	IPM	--	--	--	--		0.15				0.10			0.25
	Others	--	0.30	--	0.45	1.25	0.15	0.20		0.10				2.45
	Total	0.80	0.78	1.00	0.45	1.25	1.35	0.20	0.50	0.10	0.50	0.20	--	7.13
2	Animal husb.													
	Dairy	0.38	0.33	0.50	0.30	--	0.65	0.20	--	0.10	0.20	0.20	--	2.86
	Poultry	0.20	0.15	0.25	0.15	--	0.60	--	--	--	0.20	--	--	1.55
	Total	0.58	0.48	0.75	0.45	--	1.25	0.20	--	0.10	0.40	0.20	--	4.41
3	Horticulture	0.60	1.05	0.50	0.45	1.25	1.25	0.20	0.75	0.10	0.40	0.20	--	6.75
4	Sericulture	0.90	0.60	0.50	0.45	--	1.20	0.20	--	--	0.50	0.20	--	4.55
5	Fisheries	0.40	0.51	0.375	0.45	--	1.20	0.20	--	--	0.40	0.20	--	3.735
6	Social Forestry	--	--	--	--	--	--	--	--	--	--	--	--	
7	NRM	0.47	0.33	0.625	0.30	--	--	--	--	--	0.30	0.20	--	2.225
8	Others	--	--	--	--	--	--	--	--	--	--	--	2.00	2
	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	30.8

AGRICULTURAL TECHNOLOGY MANAGEMENT AGENCY
(ATMA)
AERODROME ROAD, DUMKA
JHARKHAND – 814 101

Ref. No.

Dated

CERTIFICATE

Certified that the District Extension Work Plan (DEWP) for April 2006 to June 2007 (15 months) of Dumka district of Jharkhand State under centrally sponsored scheme “***Support to State Extension Programme for Extension Reforms***” duly prepared in consultation with Block & District level technical team and is being submitted to Department of Agriculture and Cane Development, Govt. of Jharkhand for acceptance and compilation of State Extension Work Plan (SEWP) at SAMETI, Jharkhand level.

Project Director
ATMA, Dumka

Chairman
ATMA, Dumka