

**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	EXTN	RES				
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 (Inter state)		1		1.25			
				Training (Withindist)		5		3.00			
				F-S Interaction		1		0.10			
				Demonstration		150		6.00			
				F-F Demonstration		20		2.00			
				Exposure (within state)		1		0.225			
I C U L T U R E	Popularisation of new technology of Rice Cultivation	SRI cultivation	“	Training (Within State)	FLD	1	5	0.937			
				Demonstration		10		0.40 +0.50			
				F-F Demonstration		5		0.50			
				Exposure (within state)		1		0.225			
				Printing Leaflet		1		0.20			
L T U R E	Training on Soil testing	Soil testing	“	Training (Within Dist)		1		0.60			
				Popularisation of INM, IPM	INM / IPM	“	Training (Within Dist)	FLD	5	15	3.00
							Demonstration		50		2.00+0.75
							F-F Demonstration		10		1.00
							Exposure (within state)		1		0.225
Field days	1	0.15									
M I X E D	Mixed / Inter cropping	Pulses and oilseed	“	Training (Within Dist)	FLD	5	10	3.00			
				Demonstration		100		4.00+0.50			
				F-F Demonstration		10		1.00			
				Exposure (within state)		1		0.225			
				Field days		1		0.15			
P R O M O T I O N	Promotion of Bio fertilizer & Bio Pesticide	Vermi Compost and Bio pesticide	“	Training (Within Dist.)		5		3.00			
				Demonstration		50		2.00			
				F-F Demonstration		5		0.50			
				Printing Leaflet		2		0.40			
				Field days		1		0.15			

**Year 2007-2008**

	Refresher course on Agriculture Extension Management	New Dimension in Agril. Ext. Management	“	Training (Within Dist) Exposure visit (Inter State)		3 1		1.80 1.00
	Promotion of Commodity based FOs	Organising farmers in to groups	“	Mobilisation of farmers Seed Money/ RF Rewards (Group)		15 8 1		0.75 0.80 0.20
	Replication of Success stories of Proven Technologies	Mass Awareness Campaign		F-S Interaction Kisan Mela Printing of Leaflet IT Network. Exposure visit (Within dist)		1 1 2 1 5		0.10 1.00 0.40 0.20 0.375
	Rewarding farmers	Encouraging best farmers		Farmer Award		10		1.00

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DEPT.	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARCH NEED	ACTIVITY PROPOSED		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTN	RES	
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 (Inter state) Training (Withindist) Demonstration F-F Demonstration Exposure (Within State) Printing Leaflet		1 3 200 20 2 2		1.25 1.80 8.00 2.00 0.225 0.40
	Promotion of Organic Vegetable production	Create awareness on vegetable production with organic manure	"	Training (Withindist) Demonstration F-F Demonstration Field days	FLD	1 20 5 1	5	0.60 0.80+0.50 0.50 0.15
	Post harvest technology of vegetable and Fruits	Short period preservation and value addition	"	Training (Wtihin State) Field Days Exposure visit (Inter State) Printing leaflet		1 1 1 1		0.937 0.15 + 0.50 1.00 0.20
	Popularization of Vegetable nursery management	Create awareness on nursery raising under poly/green house	"	Training (Within District) Field days Exposure visit (within dist)		2 1 5		1.20 0.15 0.375
	Expansion of area & Maintenance of fruit plants	Propagation of fruit plant. Precaution and prevention of fruit plants from diseases	"	Training (Within Dist)  Exposure visit (Within Dist)		2  5		1.20  0.375
	Promotion of Commodity based FOs	Organizing farmers in to groups	"	Mobilisation of farmers Seed Money/ RF Rewards (Group)		8 6 1		0.40 0.60 0.20

**Year 2007-2008**

Identification of package & practices of potato, Pea, Mustard etc.	Improved seed & nutrient mgt.	technology package & assessment of production	F-F Demonstratioin	FLD	10	5	1.00+0.50
Availability of quality vegetable seed among the farmers	Vegetable seed production in the farmers field	Appropriate tech. available	Training (Within State) Exposure (Within State) F-F Demonstration	FLD	1 1 10	5	0.937 0.225+0.50 1.00
Flower production	Awareness on floriculture	"	Training (Within Dist) Demonstration F-F Demonstration Exposure visit (Within dist) Printing Leaflet		1 20 5 1 1		0.60 0.80 0.50 0.075 0.20
Rewarding farmers	Encouraging best farmers		Farmer Award		10		1.00
Replication of Success stories of Proven Technologies	Mass Awareness Campaign		Printing of Leaflet IT Network.		1 1		0.20 0.20

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DEPT.	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARC H NEED	ACTIVITY PROPOSED		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTN	RES	
A N I M A L  H U S B A N D A R Y	Promotion of livestock Management	Awareness on management of livestock for income generation	Appropriate Technology available	Training (Inter State) Training (within Dist) Printing leaflet Exposure visit (Within State)		1 4 1 2		1.25 2.40 0.20 0.45
	Popularization of Artificial Insemination	Create awareness on Artificial Insemination	"	Training (Within dist) Kisan Gostis Exposure visit (Within dist) Printing leaflet		1 1 2 1		0.60 0.15 0.15 0.20
	Popularization of Improved breed of Poultry, Duck, Goat and Pig	Breed Improvement	"	Training (Within State) Demonstration F-F Demonstration Field Day Exposure visit (Inter state)		2 200 20 1 1		0.937 8.00 2.00 0.15 1.00
	Promotion of green fodder	Create awareness on green fodder for higher milk production	"	Training (Within Dist) Demon F-F Demonstration Printing leaflet	FLD	2 50 10 1	5	1.20 2.00+0.50 1.00 0.20
	Popularization of vaccination in Bird and animal	Create awareness on vaccination for prevention of diseases in poultry and animal	"	Training (within Dist) Demon F-F Demon Exposure vist (Within Dist)		2 50 5 2		1.20 2.00 0.50 0.15
	Promotion of Commodity based FOs	Organizing farmers in to groups	"	Mobilisation of farmers Seed Money/ RF Rewards (group)		10 4 1		0.50 0.40 0.20
	Encouraging best farmers		Farmer Award			10		1.00
	Replication of Success stories of Proven Technologies	Mass Awareness Campaign		Pasu Mela Printing of Leaflet IT Network. Field days		1 1 1 2		1.00 0.20 0.20 0.30

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DEPT.	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARC H NEED	ACTIVITY PROPOSED		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTN	RES	
<b>F I S H E R Y</b>	Introduction of Composite fish farming	Multi layer fish farming	Appropriate Technology available	Training (Within State) Exposure visit (Within State) Demonstration F-F Demonstration Field Day Printing leaflet		1 1 100 20 1 1		0.937 0.225 4.00 2.00 0.15 0.20
	Promotion of improved fish seed (Fingerlings) production	Create awareness on fish seed production	“	Training (Within Dist) Demonstration F- F Demon Exposure visit (With State)		1 10 5 1		0.60 0.40 0.50 0.225
	Popularization of Net weaving	Awareness on net weaving	“	Training (Within Dist)		2		1.20
	Post harvest technology and value addition of fish	Value addition of fish for income generation	“	Training (Inter State) Demonstration F-F Demonstration Exposure visit (With in dist) Field days		1 10 5 2 1		1.25 0.40 0.50 0.15 0.15
	Promotion of commodity based FOs	Organizing fish farmers in to groups	“	Mobilisation of farmers Seed Money/ RF Rewards (Group)		8 3 1		0.40 0.30 0.20
	Encouraging best farmers			Farmer Award		10		1.00
	Replication of Success stories of Proven Technologies	Mass Awareness Campaign			Printing of Leaflet IT Network. Field Days		1 1 1	

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DEPT.	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARC H NEED	ACTIVITY PROPOSED		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTENSION	RES	EXTN	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 (Within Dist)		4		2.40
				Demonstration		80		3.20
				F-F Demon		10		1.00
				Exposure (Within dist)		2		0.15
				Field days		1		0.15
	Popularization of cooperative grainage	Create awareness on cooperative grainage for production of tassar DFLs	"	Training (Within Dist)		1		0.60
				Field Day		1		0.15
				Exposure (Within State)		1		0.225
Improvement in quality tassar cocoon production	Prevention and control measures in tassar silk worm	"	Training (Within Dist)		2		1.20	
			Demonstration		40		1.60	
			F-F Demonstration		5		0.50	
			Exposure (Within State)		1		0.225	
Post harvest technology of tassar cocoon (reeling, spinning and weaving)	Value addition of tassar cocoon for income generation	"	Training (within state)		1		0.937	
			Training (Within District)		2		1.20	
			Demonstration		10		0.40	
			F-F Demonstration		5		0.50	
			Printing leaflet		1		0.20	
			Field days		1		0.15	
			Exposure visit (within state)		1		0.225	
Promotion of commodity based FOs	Organizing fish farmers in to groups	"	Mobilisation of farmers		4		0.20	
			Seed Money/ RF		2		0.20	
			Rewards (Group)		1		0.20	
Encouraging best farmers		Farmer Award			10		1.00	
Replication of success stories	Awareness campaign	"	Printing of Leaflet		1		0.20	
			IT Network		1		0.20	
			Field Days		1		0.15	

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DEPT.	STRATEGY PROPOSED	THRUST AREAS FOR EXTENSION	RESEARC H NEED	ACTIVITY PROPOSED		NO. OF UNITS PROPOSED		AMOUNT IN LAKHS
				EXTN	RES	EXTN	RES	
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 (Within Dist)		2		1.20
				Exposure visit (Within State)		3		0.675
				Field Day		1		0.15
	Barren land development	Create awareness on afforestation (i.e. plantation of firewood and jatropa) on participatory	"	Training (Within Dist)		1		0.60
				Demonstration		20		0.80
				F-F Demonstration		5		0.50
				Printing leaflet		1		0.20
Popularisation low cost indigenous method of water harvesting techniques	Soil and water conservation	"	Demonstration		30		1.20	
			F-F Demonstration		5		0.50	
			Exposure visit (With in dist)		3		0.225	
			Field Days		1		0.15	
Popularisation of Lac cultivation	Awareness on Lac cultivation	"	Training (Within State)		1		0.937	
			Training (Within Dist)		2		1.20	
			Demonstration		50		2.00	
			F-F Demonstration		5		0.50	
			Printing Leaflet		1		0.20	
			Exposure (Within State)		2		0.45	
			Exposure (Within Dist)		2		0.15	
Promotion of commodity based FOs	Organizing ffarmers in to groups	"	Mobilisation of farmers		5		0.25	
			Seed Money/ RF		2		0.20	
Replication of success stories	Awareness campaign	"	Field days		11		0.15	

**HRD PLAN  
NAME OF THE DISTRICT - DUMKA**

Name of Dept	Strategy for HRD as per SREP	type of participants*	Topics for training based on training needs	No. of trainings			Name of institute
				Inter State	Within State	Within District	
Agriculture	Expansion area under cereals, pulses & oilseed	Farmers	Adoption of new technology & awareness on HYV and crop management	01	--	05	Agril University ATMA, Dumka
	Popularisation of new technology of Rice Cultivation	Farmers	SRI cultivation	--	01	--	BAU, Ranchi
	Training on Soil testing	Extension official	Soil testing	--	--	01	ATMA, Dumka
	Popularisation of IPM / INM	Farmers / Ext. officer	Training on IPM and Training on INM	---	--	05	ATMA, Dumka
	Mixed / Inter cropping	Farmers	Mixed / Inter cropping of Pulses and Oilseed	--	--	05	ATMA, Dumka
	Promotion of Bio-fertiliser and Bio-Pesticide	Farmers	Preparation of Bio-fertiliser and Bio-Pesticide	--	--	05	ATMA, Dumka
	Refresher course on Agril. Extension Management	Extension official	New Dimension in agriculture Extension	--	-	03	ATMA, Dumka
Horticulture	Expansion area under vegetable Production	Farmers	Adoption of new technology & awareness on HYV and crop management	01	--	03	IIHR, Bangalore ATMA, Dumka
	Promotion of Organic Vegetable production	Farmers	Organic farming of vegetables	--	--	01	ATMA, Dumka
	Post harvest technology of vegetable and Fruits	Farmers	Post harvest technology of vegetable and Fruits	--	01	--	HARP, Plandu / BAU, Ranchi
	Popularisation of Vegetable nursery management	Farmers	Nursery raising of fruits and vegetables	--	--	02	ATMA, Dumka
	Expansion of Area and Maintenance of fruit plants	Farmers	Maintenance of fruit plants in the Orchard	--	--	02	ATMA, Dumka
	Availability of quality seed	Farmers	Vegetable seed Production	--	01	--	HARP, Plandu / BAU, Ranchi
	Flower Production	farmers	Flower Production	--	--	01	ATMA, Dumka

**Year 2007-2008**

Animal Husbandry	Promotion of livestock Management	Farmers	Livestock Management	01	--	04	GBPUAT,Dehradun ATMA, Dumka
	Popularisation of Improved breed of Poultry, Duck, Goat and Pig	Farmers	Training on Poultry, Duck, Goat & Pig farming	--	02	--	BAU, Ranchi
	Popularisation of vaccination in Bird and animal	Farmers	Mass Vaccination	--	--	02	ATMA, Dumka
	Popularization of Artificial Insemination	Farmers	Mass Awareness	--	--	01	ATMA, Dumka
	Promotion of Green Fodder	Farmers	Mass Awareness	--	-	02	ATMA, Dumka
Fishery	Introduction of Composite fish farming	Farmers	Composite fish farming	--	01	--	BAU, Ranchi
	Promotion of improved fish seed (Fingerlings) production	Farmers	Improved fish seed (Fingerlings) production	--	--	01	ATMA, Dumka
	Popularisation of Net weaving	Farmers	Net weaving	--	--	02	ATMA, Dumka
	Post harvest technology and value addition of fish	Farmers	Value addition	01	--	--	CIFA, Orissa / CIFRA, Barrackpur
Sericulture	Expansion of area under tassar rearing	Farmers	New techniques of tassar rearing	--	--	04	ATMA, Dumka
	Popularisation of cooperative grainage	Farmers	Cooperative grainage	--	--	01	ATMA, Dumka
	Improvement in quality tassar cocoon production	Farmers	Quality tassar cocoon production	--	--	02	ATMA, Dumka
	Post harvest technology of tassar cocoon (reeling, spinning and weaving)	Farmers	Value addition of Tassar cocoon	--	01	02	Nagri, Ranchi ATMA, Dumka
Soil conservation	Adoption of soil / water conservation measures	Farmers	Soil and water conservation	--	--	02	ATMA, Dumka
	Barren land development	Farmers	Utilisation barren land	--	--	01	ATMA, Dumka
	Lac Production	Farmers	New technique of Lac cultivation	--	02	02	LRI, Namkum ATMA, Dumka

**ABSTRACT – Training (Inter State) - 4    Training (Within State) - 8    Training (Within District) - 59**

**Table No. 6**

**AGRICULTURAL TECHNOLOGY MANAGEMENT AGENCY (ATMA)**

Name of the State: Jharkhand

Name of the District – Dumka

No. of Block – 10

**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
		Men	Women	Total						
<b>I. Farmer Oriented Activities</b>										
<b>B.1</b>	Developing SREP	--	--	--	--	--	--	--	--	--
<b>B.2</b>	Training of Farmers									
➤	Interstate	60	40	100	4	1.25	5.000	5.000		
➤	Within State	125	75	200	8	0.937	7.496	7.496		
➤	Within District	1170	600	1770	59	0.60	35.400	35.400		
<b>B.3</b>	Organizing Demonstrations									
	Demonstration (Agri.)	340	120	360	360	0.04	14.400	14.400		
	Demonstration (Allied Sector)	590	300	890	890	0.04	35.600	35.600		
	Farmers to Farmers Tech. Demo	6000	4000	10000	200	0.10	20.000	20.000		
<b>B.4</b>	Exposure visits of farmers with maximum duration of five days + travel time									
➤	Inter-State	40	20	60	3	1.00	3.000	3.000		
➤	Within the State	300	175	475	19	0.225	4.275	4.275		
➤	Within District	550	320	870	29	0.075	2.175	2.175		
<b>B.5</b>	Mobilization of Farmers' Groups – FIG/ WIG/FOs/COs/ FCs									
➤	Their Capacity building, skill development			50 gp	50	0.05	2.500	2.500		
➤	Seed money/ revolving funds			25 gp	25	0.10	2.500	2.500		
<b>B.6</b>	Rewards/ incentives to best organized groups			50	5	0.20	1.000	1.000		
<b>B.7</b>	Farmers Awards – Block Level			50	50	0.10	5.000	5.000		
	<b>TOTAL</b>						<b>138.346</b>	<b>138.346</b>		

Table. 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
		Men	Women	Total						
<b>II. Farm Information Dissemination</b>										
B.8	District level exhibition/ kisan melas/ fruit/vegetable shows			2000	2	1.00	2.000	2.000		
B.9	Information Dissemination through printed leaflets, etc. and advertisement			--	20	0.20	4.000	4.000		
B.10	Development of technology package on electronic form to be shared through IT network			--	5	0.20	1.000	1.000		
<b>TOTAL</b>							<b>7.000</b>	<b>7.000</b>		
<b>III. Agricultural Technology Refinement, Validation and Adoption</b>										
B.11	Farmer- Scientist Interaction at District level (25 farmers for two days)	30	20	50	2	0.10	0.200	0.200		
B.12	Organization Field Days and Kisan Goshties to strengthen R-E-F linkages (1 per block in each season)	700	300	1000	20	0.15	3.000	3.000		
B.13	Assessment, Refinement, Validation and Adoption of Frontline Technologies & Researchable issues through KVKs and other local Research Centres				50	0.10	5.000	5.000		
<b>TOTAL</b>							<b>8.000</b>	<b>8.000</b>		

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
		Men	Women	Total						
<b>IV .Administrative/Capital Expenses</b>										
<b>B.14</b>	<b>Establishment of ATMA like Institutions</b>									
	<b>Recurring</b>									
➤	TA/DA/ Operational Expenses						6.500	6.500		
➤	Hiring of vehicle / POL						1.500	1.500		
➤	Operational expenses exclusively for block level**						3.000	3.000		
	<b>Non-Recurring</b>									
➤	Equipment*						--	--		
➤	Civil works and refurnishing of ATMA office*						--	--		
<b>B.15</b>	<b>Establishment of Block level Farm Information and Advisory Centres</b>									
➤	Providing IT application for effective connectivity				--	--	--	--		
	<b>TOTAL</b>						<b>11.00</b>	<b>11.00</b>		
<b>D.</b>	<b>Innovative Activities – District level:</b>									
<b>D1</b>	Support for district level training institution – it may include both “Operational Expenses” and non-Recurring Expenditure.				--	--	5.00	5.000		
<b>D2</b>	Setting Up CRS.				--	--	--	--		
<b>E.</b>	<b>Other Innovative Activities</b>									
<b>E2</b>	Innovative Activities – District component				--	--	5.000	5.000		
	<b>Total</b>						<b>10.00</b>	<b>10.00</b>		

**ABSTRACT OF THE WORK PLAN FOR THE YEAR 2007 – 2008**

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➤	<b>Farmer oriented activities</b>	<b>138.346</b>
➤	<b>Farm Information Dissemination</b>	<b>7.000</b>
➤	<b>R-E-F Linkages</b>	<b>8.200</b>
➤	<b>Administrative Expenses (recurring)</b>	<b>11.000</b>
➤	<b>Innovative Activities</b>	<b>10.000</b>
	<b>Total</b>	<b>174.546</b>

**SECTOR WISE BREAK-UP OF PROPOSALS UNDER STATE EXTENSION WORK PLAN (SEWP) FOR 2007-08**

Name of the State: Jharkhand

Name of the District: **DUMKA**

Number of Blocks – 10

Sl. No.	Sector	Demonstration	F-F Demon	Training	Exposure Visit	Field Days	Kisan Mela	Mobilisation of FOs	Rewards & Incentives	Revolving Fund	Assessment & Refinement of Tech.	F-S Interaction	Farm Inf. Dissemination	Dev. Of E-Package	SREP	Grand Total
1	Agriculture	14.400	5.000	16.587	2.275	0.45	1.000	0.750	1.200	0.800	3.000	0.200	1.000	0.200	0.0	46.862
2	Animal Husbandary	12.00	3.500	8.524	1.750	0.600	1.000	0.500	1.200	0.400	0.500	0.00	0.800	0.200	0.0	30.974
3	Horticulture	9.600	5.000	8.524	2.500	0.450	0.0	0.400	1.200	0.600	1.500	0.00	1.000	0.200	0.0	30.974
4	Sericulture	5.200	2.000	6.337	0.825	0.600	0.0	0.200	1.20	0.200	0.0	0.00	0.400	0.20	0.0	17.162
5	Fisheries	4.800	3.000	3.987	0.60	0.450	0.0	0.400	1.20	0.300	0.0	0.00	0.400	0.200	0.0	15.337
6	NRM	4.000	1.500	3.937	1.500	0.450	0.0	0.250	0.0	0.200	0.0	0.0	0.400	0.0	0.0	12.237
	<b>Total</b>	<b>50.000</b>	<b>20.000</b>	<b>47.896</b>	<b>9.450</b>	<b>3.000</b>	<b>2.000</b>	<b>2.500</b>	<b>6.000</b>	<b>2.500</b>	<b>5.000</b>	<b>2.000</b>	<b>4.000</b>	<b>1.000</b>	<b>0.0</b>	<b>153.546</b>

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

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Ref. No. ....

Dated .....

**CERTIFICATE**

Certified that the District Extension Work Plan (DEWP) for the year 2007-2008 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