

# State Level Nodal Agency-Jharkhand State Watershed Mission

Under Rural Development Department, FFP Building, Dhurwa, Ranchi-834004

## ANNUAL REPORT

**2010-2011**

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## **Foreword**

Increasing pressure on natural resources coupled with degradation of land and water posing serious challenges to food, social, economic, livelihood and environmental securities. This vast canvass of livelihoods and social net is fragile, complex, diverse, under invested, risky and vulnerable. Climate change and climatic variability added new challenges which are aggravating problem of droughts and migration.

Rainfed agriculture have high growth rate as compared to irrigated. Participatory watershed management will play vital role for conserving rainwater , ground water , degradation of lands, frequent droughts and enhancing better coping mechanism with reducing vulnerability to climate change. Sustainable development of rainfed, degraded wasteland and social capital to enhance employment and income are the foremost priorities. Multi-tier ridge to valley system, community participation, capacity building and creation of dedicated institute are the paramount work undertaken. Watershed is a platform through which water management, crops, horticulture, livestock and micro-enterprising will be addressed simultaneously.

I appreciate and acknowledge the cooperation and inputs made by SLNA-JSWM, line department, NGOs and their consensus to follow a common approach for gearing up rural development to higher trajectories.

**Debashish Gupta, I A S**  
**Development Commissioner cum Chairman GB,**  
**Ranchi**

## PRINCIPAL SECRETARY'S NOTE

Land for non-agricultural uses has accelerated soil erosion and excessive land degradation, resulting in large areas transforming into wastelands. Land degradation results in depletion of natural resources, lower productivity, ground water depletion, shortage of drinking water, reduction in bio-diversity and increase in the extent of wastelands. Large tracts of wastelands can be made cultivable in various ways through the watershed programme. Communities are motivated to regenerate common and private wastelands by adopting integrated watershed management programme(IWMP).

The investment made in the watershed area will help in establishing ecological balance and mitigating drought occurring year after year. Watershed is the best option available for the state to reduce poverty through SHGs/UG movement.

I take this opportunity to express my gratitude to all our stakeholder, who have reposed trust in us and extended their constant support.

**R. S. PODDAR, I A S**  
**PRINCIPAL SECRETARY cum Chairman EC-JSWM**  
**RURAL DEVELOPMENT DEPARTMENT**

## Chief Executive Officer's Note

Trust is built on core principles that stand the test of time and place. Jharkhand State watershed Mission (JSWM) believes in building such trust in Integrated Watershed Management Programme (IWMP). It provides socio-technical services to the marginal sections of society for overall development of the ecosystem and their personal development.

SLNA-JSWM has been established for implementing and oversees watershed projects for the state on the basis of SPSP and as per procedure laid down by DoLR. It has to oversee all watershed projects in the state within the parameters set out in Common Guidelines 2008. There is need to undertake inclusive growth of village community covering natural resources management, capacity building ,generating livelihood by establishing village level institutions such as SHG,User Groups and watershed committee. The new approach to watershed development provides a paradigm shift in the traditional approach where the role of the government is changed from that of governance to facilitation. It envisages a bottom-up approach whereby the users' group themselves decide their work programme. This metamorphism will be the fulfillment of two essential objectives i.e. participation and sustainability. Decentralization of decision making process by involving local panchayat raj institution, NGOs, GOs and watershed community at the grassroots level. The people are given actual decision-making powers in terms of project implementation and fund disbursement. The programme also aims at creating rural employment opportunities.

Capacity Building approaches would necessarily need to cover both the human and institutional aspects of organizations. The experience has provided tremendous organizational learning and revealed the immense potential of capacity building in program participation and adoption. It needs to be addressed diligently on participatory basis that can take care of itself under the deluge of opportunities available within the ambit of the watershed communities.

I express my gratitude to the people of state and especially the 1<sup>st</sup> batch IWMP WC/SHG/ UGs for their active participation in preparing PPRs/DPRs and EPAs implementation. A word of profound thanks to our partners in the developmental efforts made by the officers of DoLR/GB/EC, line departments and implementing PIAs. Our common vision inspires and provokes us to act for underprivileged. We need to build our perseverance and dedicated enthusiasm to attain these ends.

I take this opportunity to express my sincere thanks to JSLPS(UNDP)/JSAC and WASSAN Consortium-Hydrabad for their support and handholding in the implementation of IWMP Project.

**B.Nijalingappa I F S**  
**Chief Executive Officer.**

## Annual Report of JSWM-State Level Nodal Agency, under Rural Development Department for the year 2010-11

### 1. Establishment of SLNA-Jharkhand State Watershed Mission

The Government of Jharkhand under the Rural Development Department has registered a State Level Nodal Agency as Jharkhand State Watershed Mission (JSWM) on 17/07/2009 under Society Registration Act 21, 1860 for implementation of Integrated Watershed Management Programme (IWMP) under Common Guidelines for Watershed Development Projects, Govt. of India 2008.

#### **Staffing Pattern**

##### **(a) SLNA-JSWM Staff**

A dedicated team consisting of CEO and other technical staffs are working at SLNA. An Indian Forest Service Officer is the CEO at present. Rest of the Technical Expert, GIS Expert, Administrative Officer, Finance Officer, Accounts Officer, Accountant Assistant, Data Entry Operator, PA, Driver and Attendant have been appointed on contract basis. At present, the salary of CEO, Driver and Office Assistant is meeting through State Government, but the salary for rest of the staffs comes from Department of Land Resources, Government of India under SLNA institutional fund.

The performances of SLNA staff have been found satisfactory and the services of all the 13 staffs including technical experts have been extended for one more year.

##### **(b) Watershed Cell cum Data Centre (WCDC)**

A Watershed Cell cum Data Centre (WCDC) has been established at the district level. The SLNA has appointed 12 Project Manager cum Technical Experts and 6 Accountants on contract basis for monitoring and evaluation of IWMP projects. In addition to this, monitoring and evaluation of old DPAP/IWDP projects are also been entrusted to the WCDC.

### 2. A Step towards Watershed Management

Watershed is a geo-hydrological unit surrounded by ridge line in which excess rainfall/ run-off passes through a single outlet. Watershed management implies judicious use of rainfall, in-situ moisture, and surface water in conjunction with ground water for enhancement of the production of the crop by regenerating, developing and rational use of water. Watershed is a long term programme. It is being implemented by Jharkhand State Watershed Mission under the common guidelines-2008. Integrated Watershed Management Programme (IWMP) has been started by DoLR, MoRD, GoI, New Delhi by adopting common guidelines. The DoLR and Rural Development Department, Govt of Jharkhand is giving grant in the ratio 90:10 ratio in 4 to 7 Years for a treatable area at the cost of 12000 per Ha.

On an average one lakh Ha area is being sanctioned per year by DoLR Around 2.148 lakh Hectare have been already taken for treatment in two years from 2009-10 and 2010-11 and further area will be taken likewise in future also. It is being facilitated by line Department/NGOs and implemented by village Watershed Committee (WC) through people participation.

Watershed area is divided mainly into three regions namely upland, medium land and low land reaches where it aims harvesting every drop of rain water for purpose of aquifer recharge, irrigation, plantation, pasture development etc for restoring the eco-logical balance and maintaining the eco-system. It plays a great role in mitigating the adverse effect of extreme climatic condition such as drought and degraded land.

The measures taken to increase the water resources are those which help increase the infiltration rate and water holding capacity of the upland soil for preventing soil erosion and sediment flow in the river. The runoff retarding structure/ground water recharging techniques such as staggered contour trench, continuous contour trench, water absorption, contour farming, field bunding, Dova, percolation tank and afforestation have been taken for surface treatment work. For drainage line treatment such as gully plug/ vegetative plug, sunken pit etc are being undertaken on upland and middle reaches for reducing run off velocity and increasing base flow. Water saving technique such as Drip irrigation, sprinkler, and Pitcher irrigation are being promoted in large scale.

**Following measures are being taken as per following land types:**

**Upland Treatments measures:-** Staggered Contour Trench, Continuous Contour Trench, Water Absorption Trench (WAT), Contour Bunding etc.

**Medium Land Treatments measures:-** Water harvesting Structures, Field Bunding, Contour Farming, Percolation Tank, Afforestation/ Horticulture etc.

**Low Land Treatment measures:-** Farm pond, Dova, Check Dam etc.

**Drainage line Treatment:-** Gully Plug, Vegetative Bund, Spurs should be provided for streamlining the flow, reducing the run-off velocity and increasing the base flow combined with aquifer recharge.

### **3. State Perspectives Strategic Plan (SPSP):**

Jharkhand State Watershed Mission (JSWM) has developed SPSP keeping in view of all round development of Jharkhand state through Watershed approach. Rural Development Department (RDD) with the help of Jharkhand Space Applications Center (JSAC) and leading NGOs has made State Perspective Strategic Plan for Jharkhand State. Out of total 10798 micro watershed in Jharkhand, 2519 no of micro watershed is covering under Reserve Forest, Barren rocky, assured irrigation etc. which cannot be treated as per watershed guidelines. 1026 nos of micro watershed have already covered under Pre-IWMP schemes of DoLR. 325 nos of Micro watershed have been already taken up under IWMP in 2009-10 and 2010-11 respectively. Rest of the 6928 nos of micro watershed is the total treatable micro watershed which will be covered during 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> Plan. SLNA will prepare Watershed Atlas for Jharkhand State in consultation with JSAC for systematic planning and implementation of Watershed projects during 11<sup>th</sup>, 12<sup>th</sup>, 13<sup>th</sup> and 14<sup>th</sup> Plan. A MoU has been signed between Jharkhand State Watershed Mission (JSWM) and Jharkhand Space Applications Centre (JSAC) for 5 years having total financial implications of Rs. 408 Lakhs. During this period, JSAC will prepare different thematic layer i.e. Drainage Map, Present Land Use Land Cover, Soil Map, Contour Map, Relief Map, Land Degradation Map, Proposed Land Use Planning etc which will be useful for Scientific planning during preparation of DPR. Apart from that, SLNA will monitor yearly progress of IWMP through Change Detection Analysis (CDA) with the help of GIS and remote sensing technology provided by JSAC.

**Watershed in Jharkhand at a glance as per SPSP:**

**Table 1:**

S. No.	Item	Details		
		No.	Area (lakh ha)	
1	Total micro-watersheds (MWS) in the State	10,798	79.70	
2	Total untreatable MWS (Reserved Forest, Barren Rocky, assured irrigation, etc.)	2,519	14.40	
3	Total treatable MWS in the State	8,279	65.30	
4 a	Total MWS covered under pre-IWMP schemes of DoLR	1,026	7.84	
B	Total MWS covered under schemes of other Ministries	NA	NA	
C	Total MWS covered under IWMP 2009-10 of DoLR	189	1.18	
D	Total MWS covered under IWMP 2010-11 of DoLR	136	0.97	
D	Total of 4 a to c	1351	9.99	
5	<b>Balance micro-watersheds not covered till date</b>	<b>6,928</b>	<b>55.31</b>	
6	Plan for covering balance micro-watersheds	11 <sup>th</sup> Plan	436	5.30
		12 <sup>th</sup> Plan	809	6.31
		13 <sup>th</sup> Plan	2,638	22.34
		14 <sup>th</sup> Plan	3,045	21.36
		<b>Total</b>	<b>6,928</b>	<b>55.31</b>
7	No. of Microwatersheds (clusters) sanctioned for 2009-10&2010-11	189(20 cluster)+136(22 cluster) i.e.325 micro watersheds (42 cluster)		

4. The distribution of budget for the various components under common Guidelines 2008 is given below:

**Table2:**

S.N.	Particulars	Budget %
1	Administrative costs	10
2	Entry Point Activities	4
3	Institution and Capacity Building	5
4	Detailed Project Report (DPR).	1
5	Watershed development works	50
6	Livelihood activities for the asset less persons	10
7	Production system and micro enterprises	13
8	Monitoring	1
9	Evaluation	1
10	Consolidation	5
	<b>Total</b>	<b>100</b>



**5. The progresses of work under IWMP are as follows:-**

**Table 3: First Batch of IWMP projects under implementation by different PIAs:-**

S No	Name of the PIAs	District	Block	No. of Microwatershed	Area to be treated (Ha)	Total Cost (Lakh)
<b>PIAs : Line Department</b>						
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>
1	Soil Cons.	Deoghar	Devipur	12	6819.30	818.32
2	Soil Cons.	Godda	Godda	11	6801.30	816.16
3	Soil Cons.	Jamtara	Nararyanpur	12	3920.40	470.45
4	Soil Cons.	Hazaribagh	Bishnugarh	10	4784.45	574.13
5	Soil Cons.	Khunti	Khunti,Murhu,Torpa,Kara	9	6390.00	766.80
	Soil Cons.	Pakur	Maheshpur	12	5266.80	632.02
7	Soil Cons.	Ramgarh	Gola	10	5478.75	657.45
8	Soil Cons.	Ranchi	Kanke,Ratu,Burhmu	11	10739.17	1288.70
9	Soil Cons.	Saraikeela	Rajnagar	10	5042.70	605.12
10	Soil Cons.	West Singhbhum	Tonto, Noamundi,Jagarnathpur,Jhinkpani	9	6178.50	741.42
<b>Sub Total (A)</b>				<b>106</b>	<b>61421.37</b>	<b>7370.57</b>
11	Deptt.of Forest	East Singhbhum	Baharagora	6	3955.29	474.64
12	Deptt.of Forest	Giridih	Gawan	11	6494.62	779.35
13	Deptt.of Forest	Godda	Godda,Sunderpahari	9	5495.15	659.42
14	Deptt.of Forest	Gumla	Basia,Bharmo,Pahari	9	8415.77	1009.89
15	Deptt.of Forest	Palamu	Patan, Bishrampur,Chainpur,Chhatarpur	7	5284.34	634.12
<b>Sub Total (B)</b>				<b>42</b>	<b>29645.17</b>	<b>3557.42</b>
<b>PIAs : NGOs</b>						
16	Kalamandir	East Singhbhum	Dumarea	9	6331.21	759.75
17	Pradan	Hazaribagh	Churchu	8	5000.00	600.00
18	KGVK	Ramgarh	Patratu	8	4488.55	538.63
19	RKM	Ranchi	Angara	6	4936.84	592.42
20	KGVK	Ranchi	Ormanjhi	10	6000.92	720.11
<b>Sub Total (C)</b>				<b>41</b>	<b>26757.52</b>	<b>3210.92</b>
<b>Grand Total (A+B+C)</b>				<b>189</b>	<b>117824.06</b>	<b>14138.90</b>

About 1.178 lacs hectare treatable area has been approved by DOLR in FY 2009-10, initially 6% budget amounting to Rs. 848.34 lacs have been released to all PIAs. A total of Rs. 607.24 lakhs expenditure was incurred till 31<sup>st</sup> march, 2011 under EPA, DPR, administration, institution & capacity building (see details in annexure).

In addition to this 14% budget amounting to Rs.1979.44 lakhs of Central and State share for different purposes as the part of first installment 20% was released. In turn, JSWM has released the fund to all PIAs with the condition to timely submission of AAP/DPR.

**Table 4: Second Batch of IWMP Projects under implementation by different PIAs.**

Sl. No.	District	Name of Project	Name of PIA	Name of Blocks	No of Micro Watershed	Proposed Area for Treatment (in Ha)	Total Project Cost
1	2	3	4	5	7	8	9
1	West Singhbhum	IWMP II	Social Forestry Division, Chaibasa	Jagannathpur, Kumardungi & Manjhari	6	5060.14	607.22
2		IWMP III	Porahat Division, Chaibasa	Sonua & Goelkera	9	4157.64	498.92
3		IWMP IV	Kolhan Division, Chaibasa	Sonua & Goelkera	8	4414.42	529.73
4	Garhwa	IWMP I	Garhwa North Division I	Majhion, Meral, Garhwa	3	3503.29	420.39
5		IWMP II	Garhwa North Division II	Majhion, Meral, Garhwa	3	4154.42	498.53
6		IWMP III	Social Forestry Division, Garhwa I	Ranka, Ramkanda	3	4198.35	503.80
7		IWMP IV	Social Forestry Division, Garhwa II	Ranka, Ramkanda	3	3166.17	379.94
8	Godda	IWMP III	Godda Forest Division I	Poreyahat, Sundarpahari & Godda	2	4053.37	486.40
9		IWMP IV	Godda Forest Division II	Poreyahat, Sundarpahari & Godda	2	4423.14	530.78
10	Palamu	IWMP II	Palamu Afforestation Division I	Bishrampur, Chainpur	2	4035.40	484.25
11		IWMP III	Palamu Afforestation Division II	Bishrampur, Chainpur	1	3606.70	432.80
12	Lahardaga	IWMP I	Ranchi West Forest Division	Lohardaga, Senha	6	4550.24	546.03
13	Giridih	IWMP II	Giridih Afforestation Division	Jamua, Deori	10	4043.69	485.24
14	Giridih	IWMP III	District Soil Conservation Officer, Giridih	Bengabad	9	5157.35	618.88
15	Gumla	IWMP II	Social Forestry Division, Simdega	Gumla	9	5580.28	669.63
16	Dhanbad	IWMP I	District Soil Conservation Officer	Baliyapur	13	5493.34	659.20

Sl. No.	District	Name of Project	Name of PIA	Name of Blocks	No of Micro Watershed	Proposed Area for Treatment (in Ha)	Total Project Cost
17	Ranchi	IWMP IV	District Soil Conservation Officer	Sonahatu, Bundu, Namkom	8	4141.47	496.98
18		IWMP V	District Soil Conservation Officer	Sonahatu, Bundu, Namkom	6	4274.18	512.90
19		IWMP VI	NGO, KGVK	Namkom	5	3933.29	471.99
20	Simdega	IWMP I	District Soil Conservation Officer, Simdega	Jaldega, Bansjor	10	4830.66	579.68
21	East Singhbhum	IWMP III	District Soil Conservation Officer	Potka	7	4963.79	595.65
22	Bokaro	IWMP I	NGO, PRADAN	Jaridih, Kasmar	11	5298.39	635.81
Total					<b>136</b>	<b>97039.72</b>	<b>11644.77</b>

The SLNA-JSWM has received the 6% amount of Rs.698.69 for treatment of area of about 97039 Ha from DoLR and State share for 2010-11. There are 136 no. micro watershed projects having 22 clusters. Out of this amount the following works will be undertaken, Viz; Entry Point Activities (4%), DPR (1%), Administration (0.5%), Institution & Capacity Building (0.5%).

## **6. Detailed Project Report (DPR)**

As on 31.03.2011 DPRs from following PIAs have been presented before the EC and GB of SLNA-JSWM and approved.

Soil Conservation, Khunti

Forest Dept. Palamu(N)

Forest Dept. Giridih

Krishi Gram Vikas Kendra, Ranchi

Krishi Gram Vikas Kendra, Ramgarh

Forest Dept. Gumla

A separate appraisal Committee has been formed for appraisal of PPRs and DPRs. As of now about 100 DPR have been approved by state appraisal committee.

## **7. Capacity Building Training –**

Capacity Building and training of all the stakeholders such as SLNA TEs, WCDC staffs, WC, WDT, PIAs, SHGs/UGs have been undertaken to strengthen ,upgrade their skills, knowledge for the better implementation of IWMP projects. It is a component to create resource persons, develop mechanism for effective monitoring and follow up to achieve the desired results from watershed development projects. The SLNA technical Experts and

WCDC Project managers have been sent to National and international institute for undergoing training to build up their capacity, such as ICRISAT, NIRD, NABARD-BIRD (Lucknow), SIRD, NIRMA etc. The WDT and community leaders of Microwatershed committee have also been send to Anna Hazare institute- Ralegoan Siddhi, Maharashtra. SHG have been sent to Jeevika project, Bihar. Exposure Visit to Tyma watershed at Ramgarh was also arranged.

**List of PIAs who attended training:**

<b>State Level Nodal Agency - Jharkhand State Watershed Mission</b>					
<b>List of Training conducted till April, 2011</b>					
<b>S. No</b>	<b>Date</b>	<b>Subject of Training</b>	<b>Venue</b>	<b>Beneficiary</b>	<b>No. of Participants</b>
1	15 to 17 April, 2010	Strategic Planning of Watershed Management	KGVK, Rukka.	PIA's	110
2	02 to 03 June, 2010	Awareness and Orientation Program.	Conference Hall, RDD	SLNA Officials/Staffs/PIA	36
3	22 to 23 July, 2010	Implementation of IWMP, 2009-10	Ram Krishna Mission	WDT/PIA's	170
4	10 to 13 August, 2010	Awareness Program for implementation of IWMP, 2009-10	SWTC, Nagri, Ranchi.	PIA's	59
5	16 August, 2010	Technical Orientation Meeting-Cum-Exposure on Micro Drip Irrigation	Conference Hall, RDD	SLNA Officials/Staffs	36
6	21 August, 2010	Entry Point Activities & annual Action Plan	Conference Hall, RDD	PIA's	32
7	28 August, 2010	Information, Communication & Education-Strategy for Implementation of IWMP	KGVK, Rukka.	PIA/SLNA/WDT	60
8	6 to 11 September, 2010	Compilation & Analysis of DPR under IWMP(2009-10)	KGVK, Rukka.	PIA/SLNA/WDT	72
9	30 September,2010	WSMIS-JSRD	Conference Hall, RDD	SLNA-JSWM	56
10	25 October to 29 October, 2010	Planning & Implementation of Watershed (Sponsored by NIRD, Hyderabad)	SIRD, Hehal, Ranchi.	SLNA/WDT/PIA's	47
11	23 to 25 November, 2010	DPR for Five Pilot Micro Watersheds.	SWTC, Nagri, Ranchi.	WDT/PIA/Consultant	42
12	13 to 16 December, 2010	Induction Training Program for	SIRD, Hehal, Ranchi.	WCDC PM cum TE/Accountant	39

**State Level Nodal Agency - Jharkhand State Watershed Mission**

**List of Training conducted till April, 2011**

<b>S. No</b>	<b>Date</b>	<b>Subject of Training</b>	<b>Venue</b>	<b>Beneficiary</b>	<b>No. of Participants</b>
		District Watershed Officials			
13	1 to 15 January, 2011	Training Program Cum Exposure visit to WCs/ WDTs ( Under the leadership of Sri Anna Hazare)	Hind Swaraj Trust, Ralegaon Siddhi	SLNA/WCDC	20
14	10 January, 2011	Workshop on IWMP	Conference Hall, RDD	PIA's	41
15	17 to 22 January, 2011	Planning, Implementation of Watershed Projects(New Guidelines-2008)	SIRD, Hehal, Ranchi.	WDT/PIA	49
16	14 to 16 February, 2011	Watershed Development Under the leadership of NABARD	Hotel Mahadeo Palace, Deoghar	DSCO/DFO/WDT/PIA	23
17	10 to 11 March, 2011	Accounts related Training to the Chairman/ Secretary of Watershed Committee	Conference Hall, RDD	Chairman/Secretary/ Member (WC)	15
18	07 to 08 April, 2011	MIS Training (By V.M. Arora, Director, DoLR)	JSAC, RANCHI	SLNA/WDT/PIA/W CDC	45
19	25 to 29 April, 2011	Planning & Implementation of Watershed (Sponsored by NIRD, Hyderabad)	SIRD, Hehal, Ranchi.	WDT/PIA/DRDA	50
20	1st week of November, 2011	Preparation and maintenance of accounting in Government syystem.	AG office, Jharkhand , Ranchi	AO/ FO, SLNA- JSWM	2
				<b>Total</b>	<b>1004</b>

More than thousand folder have been distributed by JSWM and PIA for creating awareness in watershed management.(Copy enclosed)

## **8. Progress of work undertaken by Jharkhand Space Application Centre:**

A MOU has been signed by Principal Secretary, Rural Development Department (GOJ) and JSAC vide letter no. Gramin Vikas -6-157/08-244/ Sanctioned, Ranchi dated 02.02.09 Para (d) for a period of five years with the budget of Rs. 408.06 lacs for five years. As per agreement, following activities been assigned to JSAC namely.

- Generation of GIS layers (Soils, Geology, Geomorphology, Ground Water Prospects, Slope, Drainage, Land Use/Land Cover, Road, Habitation, and Administrative Boundary),
- Database Generation and Customization of Software (1:50,000 scale)
- Characterization, Prioritization of watersheds and Action plan generation (1:50,000)
- Preparation of Jharkhand State Perspective Plan
- Preparation of PPR
- Change Detection Analysis /Monitoring the progress/Assessing and Mapping of Existing Suggesting Water harvesting structure.
- Digitization of Cadastral maps of sanctioned projects during different plans.

Out of 408.06 lacs, amount of Rs.43.95 lacs (Forty three lacs ninety five thousand has been paid in the year of 2009-10. Balance of 364.110 lacs (three crores sixty four lacs eleven thousand only) will be paid in the following year as per table:

(Rs.in Lacs)

Sl. No.	Financial Year	Estimated Amount	Amount to be released by PIAs	Amount to be released by GOJ	Total
1	2	3	4	5	6
1	2010-11	102.727	65.525	37.202	102.727
2	2011-12	96.920	32.955	63.965	96.920
3	2012-13	84.103	32.955	51.148	84.103
4	2013-14	80.360	32.955	47.405	80.360
		364.110	164.390	199.720	364.110

PIAs have been advised to deposit Rs 24.00 per hectare under IWMP to JSAC for digitization. The following works are in progress.

- Preparation of SPSP.
- Generation of GIS layers (Soils, Geology, Geomorphology, Ground Water Prospects, Slope, Drainage, Land Use/Land Cover, Road, Habitation, and Administrative Boundary),
- Database Generation and Customization of Software (1:50,000 scale)
- Characterization, Prioritization of watersheds and Action plan generation (1:50,000)
- Preparation of PPR
- Change Detection Analysis /Monitoring the progress/Assessing and Mapping of Existing Suggesting Water harvesting structure.
- Digitization of Cadastral maps of sanctioned projects during different plans.

**9.No Objection certificate:-** As per paragraph 25 of Common Guidelines for watershed development projects-2008 issued by department of land resources,MORD,New Delhi, it has been clearly mentioned that the SLNA will sanction watershed projects for the state on the basis of state perspective and strategic plan as per procedure in vogue and oversee all watershed projects in the state within the parameters set out in these guidelines.

SLNA-JSWM is monitoring the implementation of IWMP activities as well as other allied activities implemented by different agency such as NABARD/CAPART/Soil conservation department/water resources department and JTDS etc. The main purpose of this is to avoid duplication in selection of watershed implementation programme.

It have been advertised in newspaper whosoever taking watershed project after 1<sup>st</sup>April 2008 are required to take no objection certificate from SLNA-JSAC. Presently NABARD and JTDS (welfare ministry) have submitted the details of watershed area and list of villages for NOC, accordingly certificates are being issued to them after incorporating in SPSP and uploading the same on website by JSAC. (See annexure)

### **10. Support of WASSAN consortium to SLNA – JSWM in preparing Manuals:**

The Common Guidelines envisage bringing productivity enhancement and livelihoods of the poor into centre-stage in the watershed development programs. As much of these activities and processes are location specific a provision for state specific Process guidelines has been created to provide flexibility in the adaptation of watershed guidelines to the requirement of the state. Government of Jharkhand has sought for professional support in developing operational strategies, institutional mechanisms for capacity building and project management. A consortium of experienced organizations viz., WASSAN, PRADAN and CINI have come together to provide such professional support. These are the three leading professional organizations with longstanding contribution to the watershed development, natural resource management, productivity enhancement and livelihood programs across the country. WASSAN, the lead agency of the consortium has been engaged with watershed policy formulation and has supported various government and bi-lateral large scale watershed development programs across the country.

#### **Objectives:**

To strengthen the project management systems at state/ district level for effective execution of watershed development projects in the state by

Conceptualizing policy framework (process guidelines) for operationalizing Common Guidelines

Developing Monitoring, Evaluation and Learning strategies and operational systems

Developing Capacity Building Support systems at various levels

Offering hand holding support to the SLNA/ DWDU for launching and running the projects for a limited period of time

Project Duration: 26 July 2010 to 25 July 2012. (2 Years)

Financial Limit: Rs 55,96,0039

Funded by: Jharkhand State Livelihood Promotion Society (GoJ-UNDP)

**Achievements of consortium from the inception till 31 March 2011:**

Finalized Process steps for Awareness generation Baseline survey Formats and methodology and its training module. Trained the first batch WDTs. Master table for compilation of baseline survey data. Bye laws of watershed committee Detailed Project Report (DPR) formats and processes. DPR Appraisal System CB strategy and MEL system is in progress.	Design and estimates software for NRM structures based on the local SORs Inventory of about 40 Best Practices Process guideline up to preparatory phase First Draft CB Strategy. Training module for Basic Orientation of PIA/WDT. Monitoring Format for SHG, UG, WC, Training Events. Successful story of <i>Tyma</i> Watershed.
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Currently the consortium is housed at the SLNA. A full time Coordinator and a Programme Assistant runs secretariat of the consortium and offers its support to SLNA on day-to-day basis.

**Financial Manual:**--Financial Manual is being prepared.

**Human Resources Manual:**-HR manual is being prepared.

Status of Implementation of IWMP 1st Batch- FY 2009-10												
As on 31.03.2011												
S. No.	Name of PIAs	District	Fund Released				Expenditure				Balance	% of Expenditure
			DPR 1%	EPA 4%	Adm. Exp. & Capacity Building 1%	Total	DP R 1%	EPA 4%	Adm. Exp. & Capacity Building 1%	Total		
1	Soil Cons.	<b>Deoghar</b>	8.18	32.74	8.18	49.10	4.01	32.23	7.09	43.33	5.77	88.25
2	Soil Cons.	<b>Godda</b>	8.16	32.65	8.16	48.97	0.63	24.77	6.71	32.11	16.86	65.57
3	Soil Cons.	<b>Jamtara</b>	4.70	18.83	4.70	28.23	2.58	17.57	5.62	25.77	2.46	91.29
4	Soil Cons.	<b>Hazari-bagh</b>	5.74	22.97	5.74	34.45	1.98	22.97	5.54	30.49	3.96	88.51
5	Soil Cons.	<b>Khunti</b>	7.67	30.67	7.67	46.01	3.63	22.79	7.44	33.86	12.15	73.59
6	Soil Cons.	<b>Pakur</b>	6.32	25.28	6.32	37.92	0.52	17.66	6.05	24.23	13.69	63.90
7	Soil Cons.	<b>Ramgarh</b>	6.57	26.30	6.57	39.44	2.16	26.3	5.29	33.75	5.69	85.57
8	Soil Cons.	<b>Ranchi</b>	12.88	51.55	12.88	77.31	2.98	40.41	9.24	52.63	24.68	68.08
9	Soil Cons.	<b>Saraikela</b>	6.05	24.21	6.05	36.31	6.05	21.98	5.09	33.12	3.19	91.21
10	Soil Cons.	<b>West Singhbhum</b>	7.41	29.67	7.41	44.49	1.85	5.00	4.15	11.00	33.49	24.72
11	Deptt.of Forest	<b>East Singhbhum</b>	4.75	18.99	4.75	28.49	1.20	17.16	2.64	21.00	7.49	73.71
12	Deptt.of Forest	<b>Giridih</b>	7.79	31.19	7.79	46.77	3.64	17.35	4.97	25.96	20.81	55.51
13	Deptt.of Forest	<b>Godda</b>	6.59	26.38	6.59	39.56	0.38	20.06	6.54	26.98	12.58	68.20
14	Deptt.of Forest	<b>Gumla</b>	10.10	40.40	10.10	60.60	2.80	18.02	5.18	26.00	34.60	42.90
15	Deptt.of Forest	<b>Palamu</b>	6.34	25.36	6.34	38.04	6.00	21.51	5.1	32.61	5.43	85.73



**Status of Implementation of IWMP 1st Batch- FY 2009-10**

**As on 31.03.2011**

S. No.	Name of PIAs	District	Fund Released				Expenditure				Balance	% of Expenditure
			DPR 1%	EPA 4%	Adm. Exp. & Capacity Building 1%	Total	DP R 1%	EPA 4%	Adm. Exp. & Capacity Building 1%	Total		
16	Kalamandir	East Singhbhum	7.60	30.38	7.60	45.58	6.9	25.04	7.35	39.29	6.29	86.20
17	Pradan	Hazaribagh	6.00	24.00	6.00	36.00	4.73	19.83	6.25	30.81	5.19	85.58
18	KGVK	Ramgarh	5.39	21.54	5.39	32.32	4.60	20.15	6.7	31.45	0.87	97.31
19	RKM	Ranchi	5.91	23.72	5.91	35.54	1.89	9.53	2.37	13.79	21.75	38.80
20	KGVK	Ranchi	7.20	28.80	7.21	43.21	7.14	23.98	7.94	39.06	4.15	90.40
<b>Total</b>			<b>141.35</b>	<b>565.63</b>	<b>141.36</b>	<b>848.34</b>	<b>65.67</b>	<b>424.31</b>	<b>117.26</b>	<b>607.24</b>	<b>241.10</b>	<b>71.58</b>

**11. BUDGET of IWMP for the year 2011-12:**

The DoLR,GOI is assisting IWMP projects at a cost of Rs 12000.00 per hectare for the treatment of wastelands in the ratio of 90:10. The total treatable area of first batch ( F Y 2009-10 ) is 117824 ha and of second batch (FY 2010-11) is 97039.72 Ha.

It is proposed to take up 2.0 lakh Ha for the year 2011-12. The percentage of fund release is calculated based on the Norms of Common Guidelines 2008 and DoLR instructions, which are as follows.

**12. Expected Budget of IWMP for the year 2011-12**

Year	Area Proposed (Ha)	No. of Micro watershed (MWS)	Cost of Project	% of Installment	Budget (in lacks)	Central Share (Rs in lacks)	State share (Rs in lacks)
<b>IWMP (2009-10)</b>	117824	189	14138.90	25%	3534.7255	3181.25295	353.47255
<b>IWMP (2010-11)</b>	97039.72	136	11644.77	14%	1630.267464	1467.240718	163.0267464
<b>IWMP (2011-12)</b>	200000	300	24000.00	6 %	1440.00	1296.00	144.00
<b>Total</b>					6604.992964	5944.493668	660.4992964

**13. JHARKHAND STATE FOUNDATION DAY( Date:15.11.2010)**

The JSWM has taken initiative to award the best Watershed Committees for participatory development and implementation of watershed projects. The WC performance was assessed by the PIAs based on the objective type of questionnaire. A team of experts assessed their performance and names of the committee was recommended to the state Govt for awarding prize money and a certificate on the eve of Jharkhand foundation day celebration i.e; 15.11.2010. The Hon'ble CM/Dy CM gave the certificate and prize money to the following watershed committee (WC).

<b>S.N.</b>	<b>PIA Name</b>	<b>Name and Address of Watershed Committee</b>	<b>Ranks</b>	<b>Remarks</b>
1	Ram krishan Misson Asram,Ranchi	Rupdu Vivekanand jalchasan sammittee-Angarha,Ranchi	First	Rs 10,000.00
2	KGVK,Ormanjhi	Jalchajan samittee,Kulhi,kuchu,Ormancjhi,Ranchi	Second	Rs 7500.00
3	District Soil conservation,Ranchi	Jumar and potpoto nala-iiB,Gram- Sukurhutu,Kanke,Ranchi	Third	Rs 5000.00