

**TWELFTH FIVE-YEAR PLAN
(2012-2017)**

&

**ANNUAL PLAN
(2012-2013)**

**WATER RESOURCES DEPARTMENT
GOVERNMENT OF JHARKHAND
RANCHI**

**SUMMARY STATEMENT
OF
TWELFTH FIVE-YEAR PLAN (2012-2017)
&
ANNUAL PLAN (2012-13)**

(Rs. in cr.)

SL. No.	SECTOR	TWELFTH FIVE YEAR PLAN (2012-17)	ANNUAL PLAN (2012-13)
1.	MAJOR & MEDIUM IRRIGATION PROJECTS	9222.64	1603.71
2.	MINOR IRRIGATION PROJECTS	3600.00	326.29
3.	COMMAND AREA DEVELOPMENT PROJECTS	200.00	3.00
4.	FLOOD PROTECTION PROJECTS	125.00	17.00
GRAND TOTAL		13147.64	1950.00

Summary table of total Proposed Annual Plan(2012-13)

(Rs. in Cr.)

Sl. No.	Name of Project	Annual Plan (2012-13)			
		Additional Central Assistance	W.B/Odisha share	State Plan	Total
1	Major & Medium Scheme				
A	Earmarked Scheme (AIBP) *				
	i Subernrekha Multipurpose Project	1067.12	168.00	118.78	1353.90
	ii. Medium Irrigation Schemes	104.59	-	24.42	129.01
	Sub-Total (A)	1171. 71	168.00	143.20	1482.91
B	State Plan				
	(a) Continuing Schemes				
	i . On-going Major & Medium Irr. Schemes			27.96	27.96
	ii. Restoration of old Irrigation Schemes			20.00	20.00
	iii. ERM of completed schemes			15.00	15.00
	iv. Residual work and liability payment for schemes to be completed during 2011-12			30.00	30.00
	(b) New Schemes			0	0
	i. Major & Medium Irr. Schemes			14.54	14.54
	ii. Dam Safety Hydrology Project-II			0.10	0.10
	iii. Capacity Building, Strengthening & Upgradation			13.20	13.20
	Sub-Total (B)			120.80	120.80
	Total (1)	1171. 71	168.00	264.00	1603.71
2	Minor Irrigation Schemes				
A	Earmarked Scheme (AIBP) *	260.29		27.00	287.29
B	State Share CSS/CS (RRR of Water bodies) (10:90)			3.00	3.00
C	State Plan				
	(a) Continuing Schemes			15.00	15.00
	(b) New Schemes			12.80	12.80
	(c) Capacity Building, Strengthening & Upgradation			8.20	8.20
	Total (2)	260.29	0.00	66.00	326.29
3	Flood Protection Scheme				
A	State Share CSS/CS (Anti Erosion work in Ganga basin) (25:75)			4.00	4.00
B	State Plan				
	Continuing Schemes			8.00	8.00
	New Schemes			5.00	5.00
	Total (3)	0.00	0.00	17.00	17.00
4	Command Area Development				
A	State Share CSS/CS (Command Area Development of Mayurakshi & Kanchi Irr. Schemes) (50:50)			3.00	3.00
	Total (4)	0.00	0.00	3.00	3.00
	Grand Total (1+2+3+4)	1432.00	168.00	350.00	1950.00

**GOVT. OF JHARKHAND
WATER RESOURCES DEPARTMENT**

***DRAFT TWELFTH FIVE YEAR PLAN (2012--2017)
AND
ANNUAL PLAN (2012-2013)***

1. INTRODUCTION

A. Background

Agriculture is the major occupation of about 70% of the population of Jharkhand. The agriculture sector is the main stay of the economic. The growth in this sector has strong bearing on the growths of the other sectors and consequently of GSDP. This emphasize the fact that planned strategies of the socio-economic of the state should be such that as to facilitate the faster growth and development of agriculture.

The Geographical area of Jharkhand is 79.72 lakh ha. The state of Jharkhand has a total Agriculture area of about 29.74 lakh ha. Ultimate Irrigation Potential which could be created is 24.25 lakh ha. As per assessment of 2nd Bihar Irrigation Commission Irrigation Potential to be created through Major & Medium Irrigation Projects is 12.765 lakh ha. & rest Potential to be created through Minor Irrigation Project.

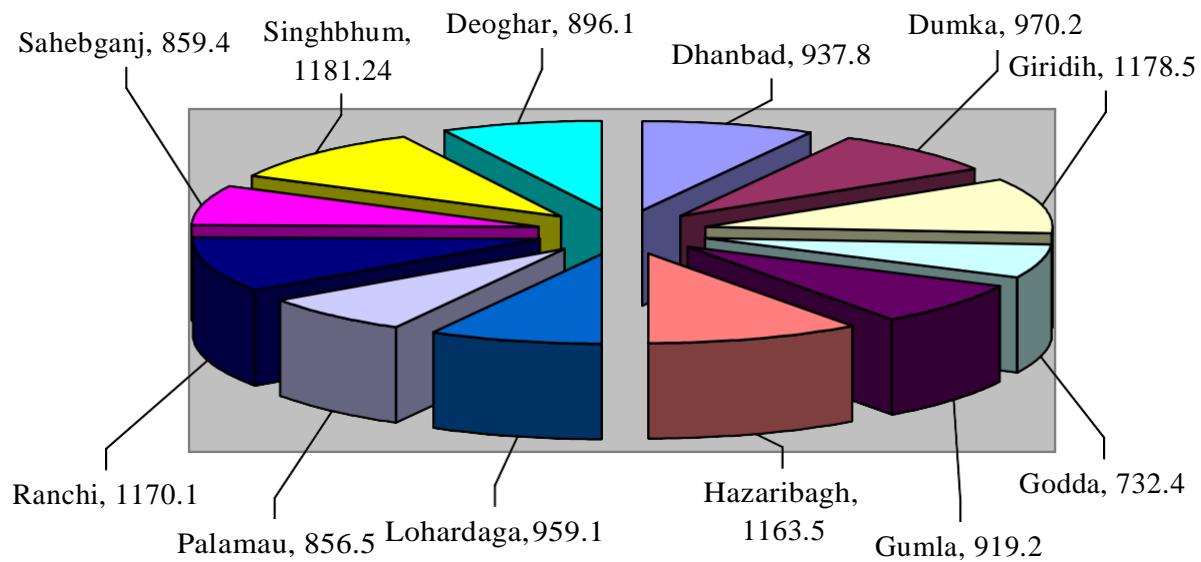
The resources rich State of Jharkhand is widely acclaimed as the region of the future, having immense potential for industrialisation with its large deposits of minerals, which could provide a firm launching pad for various industries. It is one of the richest zones of minerals in the world. As large as the 40% of the total minerals of the country are available in the state of Jharkhand.

Water is, therefore, the critical factor for increasing agricultural production & industrial productivity.

a) Rainfall

Jharkhand has an average yearly rainfall of 1000-1200 mm against the national average of 1000 mm. The rainfall is generally uniform with little variation.

Distribution of Rainfall in mm



b) River & River basins

The state has following main rivers and river basins.

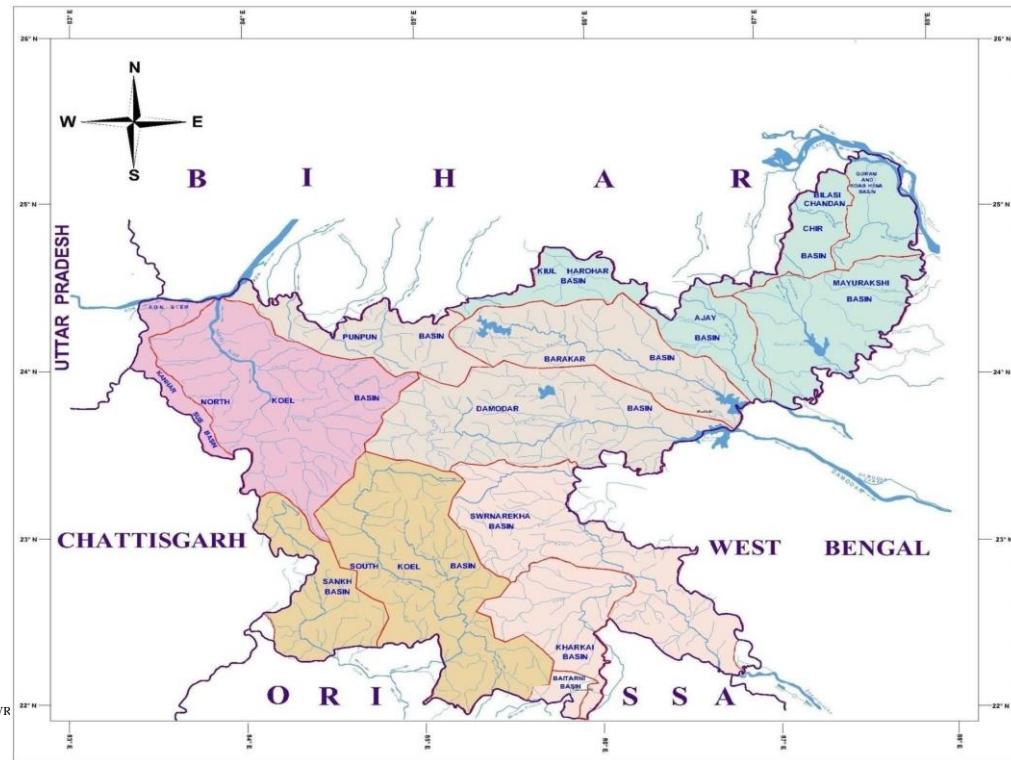
Main Rivers

:Subernarekha, Damodar, Barakar, South Koel, North Koel, Shankh, Ajay, Mayurakshi, Guman, Kharkai, Kanhar, Batane, Auranga, Karo, Brahamani, Bansaloi etc.

River basins

:Subernarekha, Damodar, Barakar, North Koel, South Koel, Mayurakshi, Guman & Koa-Bena, Ajay, Bilasi, Chandan Chir, Sone Steam with Kanhar, Pupun, Kiul-Harohar, Sankh.

Various River basins in Jharkhand



c) **Ground/Surface Water Availability**

Surface water availability in Jharkhand is 27528.00 MCM and Ground water availability in Jharkhand is 5251.00 MCM.

Total availability of water	:	32779.00 MCM
Ground Water	:	5251.00 MCM
Surface Water	:	27528.00 MCM

d) **Use of Water**

	Surface Water	Ground Water
Irrigation purpose	41%	89.40%
Industry & Drinking	5321.00 MCM	538.00 MCM
Municipal use	6%	10.60%
Industrial use	13.76%	Nil

B. Statistics related to department

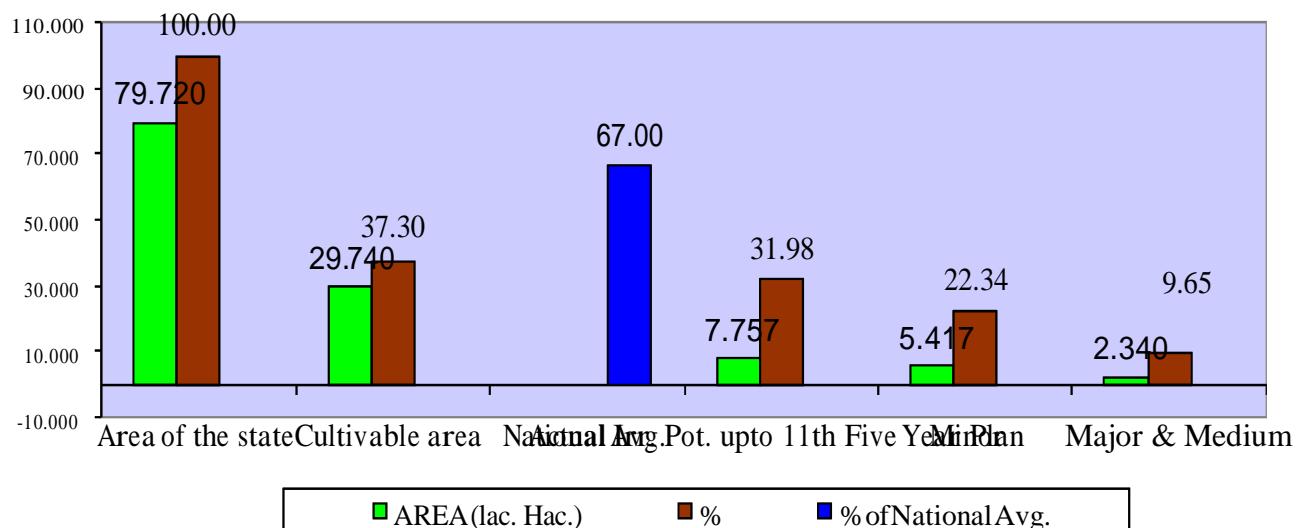
- Geographical area of the state - 79.72 lakh ha.
- Culturable Area - 29.74 lakh ha.
- Ultimate Irrigation Potential - 24.25 lakh ha.

C. Present Status of Development

Scenario at the end of XIth Five Year Plan (Actual) :-

- Irrigation Potential created through Major & Medium Irrigation Projects - 234.04 th. ha.
- Irrigation Potential created through Minor Irrigation Projects - 541.70 th. ha.
- Total Irrigation Potential created - 775.74 th. ha.
- % creation against Ultimate Irrigation Potential - 31.98 %

Where do we stand at the end of 11th Five Year Plan



2. ACHIEVEMENT DURING 11TH FIVE YEAR PLAN

a) Financial

Sl.	Sector	11 th Plan Approved Outlay	(Amount in Crores)					
			2007-08	2008-09	2009-10	2010-11	2011-12	Total
1.	Major & Medium	2269.32	694.46	322.91	236.99	222.06	261.09	1737.51
2.	Minor Irr. Sch.	952.70	102.50	77.16	46.54	92.57	217.83	536.60
3.	Flood	35.00	4.11	2.12	8.26	7.04	12.14	33.67
4.	CAD	22.35	0.12	0.12	0.00	0.00	0.16	0.40
Total :-		3279.37	801.19	402.31	291.79	321.67	491.22	2308.18

b) Physical

Sl.	Sector	11th Plan Physical Target	(Irrigation Potential in th. ha.)						Target during 2011-12	Achievement during 2011-12	Gaps & failure	Identified bottlenecks				
			Achievement during 11th Plan (till 2010-11)					Total								
			2007-08	2008-09	2009-10	2010-11										
1	2	3	4	5	6	7	8	9	10	11	12					
1	Major & Medium Irr. Schemes	148.14		8.05	2.20	6.26	16.51	114.58	0.40	131.23	Inadequate Fund flow, Problem in forest land transfer, problem in Land Acquisition and R&R Issue.					
2	Minor Irrigation Schemes	120.00	15.52	17.73	10.32	6.51	50.08	63.00	28.80	33.12	Fund crunch, Lack of competent beneficiaries committees.					
Total :-		268.14	15.52	25.78	12.52	12.77	66.59	177.58	29.20	164.35						

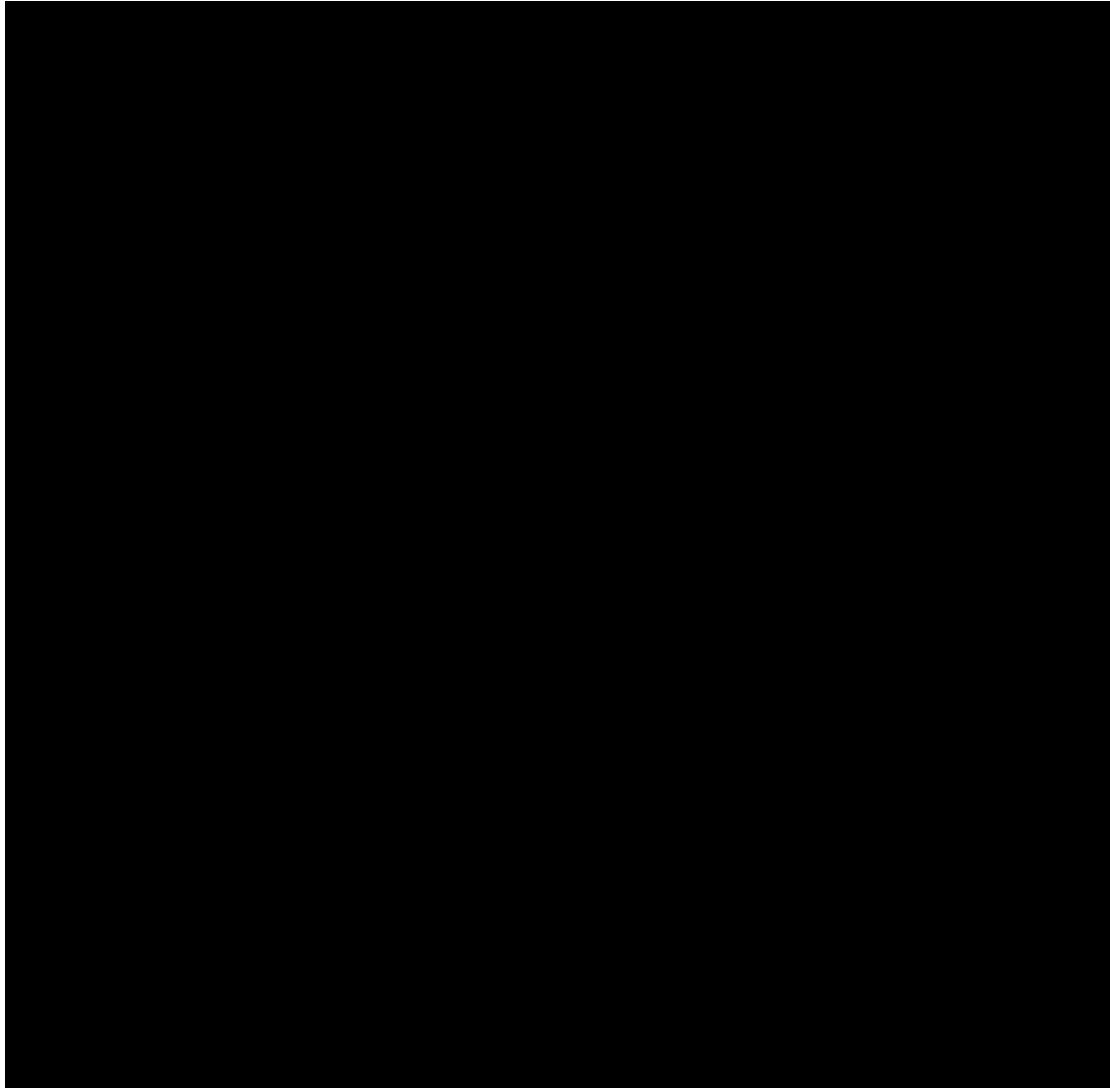
c) Identified bottlenecks and Strategy for its mitigation

i. Inadequate Fund Flow :-

Fund limitation from state resources is a major bottlenecks in completion of on-going Major and Medium Irrigation Schemes eg. Subernarekha Multipurpose Project was started in 1978 with an initial cost of Rs. 128.99 crores where as the revised estimated cost of the project on price level of year 2010 is Rs. 6613.74 crores. The expenditure on the project till March 2011 is Rs. 2214.88 crores. It is pertinent to mention here that in an average Rs. 120.00 crores annually was being provided in the budget during 2007-08, 2008-09, 2009-10 and 2010-11 for construction of the project which is not even sufficient to cope up the price escalation of balance amount (around Rs. 4400.00 crores) for completion of the project. Now the Investment Clearance for the project has been obtained and the project has been submitted for inclusion under AIBP.

ii. Non release of matching Central Grant :-

During 11th Five Year Plan, Six schemes namely Gumani Barrage Project, Upper Sankh Reservoir Scheme, Panchkhero Reservoir Scheme, Sonua Reservoir Scheme, Surangi Reservoir Scheme and Kansjore Reservoir Scheme were taken up for execution under AIBP. These schemes are benefiting Tribal and Drought Prone Area of Jharkhand. On these schemes 90% grant was required to be released but only Rs. 24.18 crores grant was released during 2007-08 to 2010-11 and Rs. 89.78 crores grant remained due. The completion of schemes suffered due to this reason.



iii. Problem in Forest Land Transfer :-

Following on-going schemes are lagging due to non-transfer of forest land due to which the amount required to complete the project are increasing and people are deprived from irrigation benefits. eg.-

Sl.	Name of Scheme	District benefited	Compensatory non-forest land in ha.
1	Ajay Barrage Project	Deoghar and Jamtara	39.03
2	Punasi Reservoir Scheme	Deoghar	288.62
3	Konar Irrigation Project	Bokaro, Giridih and Hazaribagh	324.97
4	Amanat Barrage Scheme	Palamau	127.85
5	Suali Reservoir Scheme	Gumla	58.53
6	Ramrekha Reservoir Scheme	Gumla	32.25
7	Surangi Reservoir Scheme	Ranchi	35.50
8	Sonua Reservoir Scheme	West Singhbhum	26.60
9	Jharjhara Reservoir Scheme	West Singhbhum	16.74

Jharkhand state has 30% of forest cover against 23.57% of National average. The state is a tribal state where there are fragmental lands. The state is facing difficulty in arranging land for compensatory afforestation. Hence, various project are lagging due to non transfer of forest land involved in the projects.

iv. Problems in Land Acquisition & Rehabilitation issues :-

Most of the on-going schemes were started during combined Bihar State. Land Acquisition for these schemes were not completed. Now the land owner are demanding enhanced rate of land causing problems in completion of schemes. Some projects like Punasi Reservoir Project is not getting pace due to rehabilitation problem. In this project, there are 606 families are being displaced. Displaced family demanding Government Jobs. Due to this the project is stand still due to aggressive nature of displaced person. However, the Govt. has sorted out most of the problems & accelerated the progress of works. The department is also working on the revision of Rehabilitation & Resettlement Policy of the department, so as to sort out these issues.

v. Naxal Menace :-

Out of 24 districts in Jharkhand state, 14 districts are affected by Left Wing Extremists, where the progress is being hampered time and again.

It is therefore requested to kindly,

- i. Release matching grant for AIBP Projects. It is worth to mention here that during 2011-12, the budget of Water Resources Department consists of Rs. 350.00 crores from State Plan and Rs. 1200.00 crores as Additional Central Assistance (ACA) totaling Rs. 1550.00 crores. The proposal for release of grant for Subernarekha Multipurpose Project, Tajna Reservoir Scheme, Raisa Reservoir Scheme & Bateshwarthan Pump Canal Scheme, for which Investment Clearance has been obtained, has been submitted to Govt. of India. Delay in release of Central grant may adversely affect the progress and completion schedule of the projects. However, only Subernarekha Multi. project was included under AIBP during 2011-12, but the grant was released in the month of Feb . '12 . So it cannot be fully utilized during 2011-12.
- ii. Some other on-going schemes of 11th Five Year Plan such as Suru Reservoir Scheme, Kanti Reservoir Scheme, Suali Reservoir Scheme, Punasi Reservoir Scheme and North Koel Reservoir Project, which are under various stages of construction, are being proposed to be included under A.I.B.P. For these schemes TAC approval and Investment Clearance Commission is under process.
- iii. Since the Irrigation Potential created in Jharkhand (38.09%) is for below the National Average (67%), it is proposed that some new schemes of 12th Five Year Plan such as Burhai Reservoir Scheme, Kanhar Reservoir Scheme, Tahle Reservoir Scheme, Domninala Reservoir Scheme, Rarhu Reservoir Scheme, Kanchi Barrage Scheme and Suggabathan Reservoir Scheme be included under A.I.B.P., for their speedy completion. It is proposal to create an additional potential of 73.39 th. ha. by these project during 12th Five Year Plan.
- iv. Minor Irrigation Scheme are best suited to undulated topography of the state. Hence, year wise requirement of ACA in Minor Irrigation Sector is also indicated in the table below. An additional 180 th. ha. Irrigation Potential will be created through these Minor Irrigation Schemes under AIBP.

Year wise requirement of ACA under AIBP during 12th Five Year Plan is summarized as below :-

Sl.	Name of Schemes	(Rs. in cr.)											
		2012-13		2013-14		2014-15		2015-16		2016-17		Total	
		State	A.C.A.	State	A.C.A.	State	A.C.A.	State	A.C.A.	State	A.C.A.	State	A.C.A.
A. Schemes already under taken A.I.B.P.													
i)	Subernarekha Multipurpose Project	118.78	1067.12	143.32	1289.89	163.56	619.52					425.66	2976.53
ii)	Tajna Res. Sch.	4.50	40.50	1.75	15.78							6.25	56.28
iii)	Raisa Res. Sch.	3.63	32.66									3.63	32.66
iv)	Bateshwarthan Pump Canal System	13.43	4.43	43.20	14.4							56.63	18.83
v)	Suru Res. Sch.	3.00	27.00	3.83	34.46							6.83	61.46
vi)	Kanti Res. Sch.									4.00	36.00	4.00	36.00
vii)	Suali Res. Sch.							4.00	36.00	4.76	42.81	8.76	78.81
Total :-		143.34	1171.71	192.1	1354.53	163.56	619.52	4.00	36.00	8.76	78.81	511.76	3260.57

Sl.	Name of Schemes	2012-13		2013-14		2014-15		2015-16		2016-17		Total	
		State	A.C.A.										
B.	On-going schemes which are under consideration for A.C.A. after obtaining investment clearance												
i)	Punasi Res. Sch.			17.00	153.00	15.00	135.00	13.96	125.62			45.96	413.62
ii)	Amanat & Konar Irr. Project			15.00	135.00	13.47	121.22					28.47	256.22
Total :-				32.00	288.00	28.47	256.22	13.96	125.62			74.43	669.84
C.	New Schemes for 12th Five Year Plan												
i)	Burhai Res. Sch.			5.00	45.00	10.00	90.00	12.00	108.00	23.00	207.00	50.00	450.00
ii)	Kanhar Res. Sch.			5.00	45.00	10.00	90.00	15.00	135.00	40.00	360.00	70.00	630.00
iii)	Tahale Res. Sch.			4.00	36.00	10.00	90.00	15.00	135.00	11.00	99.00	40.00	360.00
iv)	Domninala Res. Sch.					3.15	28.35					3.15	28.35
v)	Rarhu Res. Sch.			7.00	63.00	7.00	63.00	8.00	72.00			22.00	198.00
vi)	Kanchi Barrage			7.00	63.00	7.00	63.00	6.20	55.80			20.20	181.80
vii)	Sugabathan Res. Sch.					5.0	45.00	3.05	27.45			8.05	72.45
Total :-				28.00	252.00	52.15	469.35	59.25	533.25	74.00	666.00	213.40	1920.60
D.	Minor Irr. Sch.	27.00	270.00	50.00	450.00	50.00	450.00	50.00	450.00	53.00	450.00	230.00	2070.00
Grand Total :-		170.34	1441.71	302.10	2344.53	294.18	1795.09	127.27	1144.87	135.76	1194.81	1029.59	7921.01

Note:- Odhisa & West Bengal Share in SMP =357.06 Cr.

- v. To overcome the difficulty of forest clearance for irrigation projects Ministry of Environment and Forest, Govt. of India may kindly review the existing guidelines to grant one time relaxation in forest and environment clearance to all on-going irrigation projects and also to permit Jharkhand to take state projects on the same terms which are applicable for Central sector projects i.e. compensatory afforestation on double the degraded forest land without the mandatory certificates from the Chief Secretary regarding the non availability of non-forest land.
- vi. The department is working on the revision of Rehabilitation & Resettlement Policy of the department, so as to sort out these issues.
- vii. The speedy execution of schemes and creation of additional irrigation potential by completion of project will bring the rural people to main stream and the affect of Left Wing Extremists can be minimized.

3. TARGETS & OBJECTIVES FOR 12TH FIVE YEAR PLAN

A. Objective & Strategy for 12th Five Year Plan :

a) Basic – Faster, More Inclusive and Sustainable Growth

The Department has targeted to complete all the on-going Major & Medium Irrigation projects during 12th Five Year Plan which are languishing over a long period of time.

b) Major sectors of challenge – ENERGY, WATER & ENVIRONMENT, Better performance in Agriculture

Increasing population of the country has put a thrust on the availability of per capita food grains. This it is a need of the hour to increase the production in agricultural sector. Irrigation plays a key role in the agricultural production. The department is planning to optimally utilise the available surface and ground water for increasing the agricultural production.

c) Stress on improved implementation

The department has introduced e-tendering/e-procurement system, that contractors throughout the country can participate in it. This will certainly lead to improved implementation of project. For improved implementation and accountability the department in planning for concurrent evaluation by reputed external agencies.

d) Stress on improvement in design and Industrial arrangement

The department is taking initiative for the formation of WALMI. This institution will impart training to Irrigation Engineers & Farmers. For construction & establishment of WALMI, outlay is being proposed during 12th Five Year Plan.

e) Revisit Water Balance estimates basin wise

Department is pursuing the formulation of Water Regulatory Authority which will do this work. An outlay is proposed for this work during 12th Five Year Plan.

f) Mapping all aquifers in Jharkhand

Government of India has undertaken for mapping of aquifers all over the country at National Level. Based on this information Aquifer Management Plans will be prepared by respective Basin Authority in Jharkhand. If Government of India does not take it up, department plans to get it done through Space Application Centre.

g) Setting up of Water Regulatory Authority

In Jharkhand, the constitution of Water Regulatory Authority has been conceptualized. Based on Water Regulatory Authority of Maharashtra/ U.P./ A.P. Water Regulatory in the Jharkhand will be soon, The draft legislation paper is being prepared and it is proposed to be notified by the end of year 2011-12.

h) Ground Water Law

In Jharkhand, the draft paper for Ground Water legislation has been conceptualised. The draft paper has been prepared on the basis of National Ground Water Legislation. Legislation will be effected at the earliest for which it will be sent for Cabinet approval soon.

i) New Water Framework Law (as in EU)

In Jharkhand, River Basin as unit of Management of proposed and department will be re-structured accordingly. The key element of Water Framework Directives are

- i. Technical Consideration : Monitoring, River Basin Planning & Management.
- ii. Institutional : Adopt the river basin as a single system for Water Management.
- iii. Environmental : Water quality and eco-system.
- iv. Water Economics.
- v. Public participation.

B. Physical Targets :

➤ To increase the Irrigation Potential from 38.09% to 67.27%.

(Irrigation Potential in th. ha.)

Sl.	Sector	Actual Creation of Irr. Pot. at the end of 11 th Five Year Plan	Target of Creation of Irr. Pot. during 12 th Five Year Plan	Anticipated Creation of Irr. Pot. at the end of 12 th Five Year Plan
1	Major & Medium Irrigation Schemes	234.04	512.98	747.02
2	Minor Irrigation Schemes	541.74	247.00	788.74
Total:-		775.78	759.98	1535.76
3	% creation of irrigation potential with respect to ultimate irrigation potential to be created (i.e. 2425.50 th. ha.)	31.98%		63.32%

C. Strategy :

- i. More for Barrage/ series of Barrages/Ponds in place of Dams, so as to minimise Land acquisition, displacement, rehabilitation and forest submergence.
- ii. Back ward strategy – provision of irrigation to all plots – 10 yrs. time frame.
- iii. Awareness spread for Conservation of water thru education and campaigns.
- iv. Revisiting interstate river agreements.
- v. PPP model- increasing investment water sector development
- vi. Creation of Hydrologic Information System (HIS) for collection and analysis of even social and ecological data besides hydrological data.
- vii. The timely execution of long term projects, needs managerial skills, besides the requisite technical skills.
- viii. For this, department needs Engineers with management skills.
- ix. Consultants with managerial skills required.
- x. Project Management Unit (P.M.U.) for all important projects will be setup.
- xi. Restoration of existing completed schemes undertaken in phased manner.
- xii. Restoration of all old schemes to be completed during XIIth Five Year Plan..
- xiii. CADWM (Command Area Development and Water Management) programme to be intensified.
- xiv. Participatory Irrigation Management (PIM) to be intensified for sustainability of schemes.
- xv. Formation and involvement of Water User Association (WUA) in Irrigation Practices.
- xvi. Irrigation sector has still not reached a state, where provision of Water Services, becomes a financially profitable proposition, therefore there seems to be no such model, which have come up in India.
- xvii. Provision of Water to industries is an area where this can be tested. Department proposes to come up with such proposal in case any industry comes up with such a proposal and structures need to be constructed for providing water.
- xviii. The Model should be tried in Urban Water Supply Systems.

4. SCHEMES SUGGESTED TO ACHIEVE THE SET GOAL

I. Major And Medium Irrigation Projects

During 12th Five Year Plan, the following Major and Medium Irrigation Schemes which were taken for constructions, which were spilled over from Eleventh Five Year Plan is proposed to be completed.

(A) Major Irrigation Project

- (i) Subernrekha Multipurpose Project
- (ii) Punasi Reservoir Project
- (iii) Konar Irrigation Project
- (iv) Amanat Barrage Project
- (v) North Koel Reservoir Project
- (vi) Bateshwar Sthan Pump Canal Scheme

(B) Medium Irrigation Project

- (i) Tajna Reservoir Project
- (ii) Raisa Reservoir Project
- (iii) Suru Reservoir Project
- (iv) Kanti Reservoir Project
- (v) Suali Reservoir Project
- (vi) Kans Reservoir Project
- (vii) Jharjhara Reservoir Project

The brief description of above mentioned Major & Medium Irrigation Projects are as follows:-

(i) Subernarekha Multipurpose Project

Subarnarekha Multipurpose Project is a joint project of Jharkhand, Orissa and West Bengal state for which tripartite agreement was signed between undivided Bihar, Orissa & West Bengal on 07.08.1978. The project was started during 1977 with original cost of Rs. 128.99 cr. The project remained stand still due to non-availability of fund during undivided Bihar period. After creation of Jharkhand the project was restarted but the required progress could not be achieved due to fund crunch. Now, Planning Commission, Govt. of India has accorded Investment Clearance of the project for Rs. 6613.74 cr. (2010) and the project has been proposed to be included under AIBP. Now, the project is proposed to be completed during 2014-15 with the help of Central Assistance provided by Govt. of India under AIBP.

(ii) **Punasi Reservoir Project**

This scheme is located in village Punasi in the district of Deoghar. The scheme consists of a earthen Dam across river Ajay. The scheme has one main canal of length 77.94 km, branch canal and distributaries. The scheme will provide irrigation in 24290 ha land of Deoghar district. The project was started during 1982 with original cost of Rs. 26.90 cr. At 2010 price level the revised cost of the project is Rs. 593.46 cr. After transfer of 288.62 ha. forest land in the project and resolving R&R issue. Investment Clearance will be obtained from Planning Commission & scheme will be proposed to be included under AIBP. The project is proposed to be completed during 12th Five Year Plan.

(iii) **Konar Irrigation Project**

The Project consists of a dam across river Konar in village Banaso of Bishnugarh Block in Hazaribag district. The project consists of approach channel, intake structure, tunnel work, 9.2 km lined Main (feeder) canal and 97.28 Km unlined canal in, including branch canal and distributaries. The schemes will irrigate 62790 ha in Bishnugarh block (Hazaribag), Bagodar and Dumri block (Giridih) and Nawadiah block of Bokaro district. After transfer of 300.51 ha.. forest land in the project and resolving R&R issue. Investment Clearance will be obtained from Planning Commission & scheme will be proposed to be included under AIBP. The project is proposed to be completed during 12th Five Year Plan.

(iv) **Amanat Barrage Project**

This scheme envisages construction of a Barrage across river Amanat near Panki (Block) in Palamau District. The Ultimate Irrigation Potential of the scheme is 25000 Hectare. The latest estimated cost of the project is Rs. 341.11 cr. The expenditure upto March 2011 is Rs. 232.79 cr. The scheme is proposed to be completed during 2013-14.

(v) **North Koel Reservoir Project**

The project consists of (a) composite dam across river North Koel near village kutku, (b) a barrage on the same river, 96 km. down stream of kutku dam and (c) two main canal (Left and Right) offtaking from Mohammadganj barrage with their distribution systems. Length of Right Main Canal is 109 km (31 km in Jharkhand and 78 km in Bihar). Through this canal irrigation will be provided in 12470 ha in Palamau district of Jharkhand and 1,11,800 ha in Bihar. Length of Left Main Canal is 11.81 km fully in Jharkhand & will irrigate 2320 ha. area in Garhwa district. North Koel Project is a joint project of Jharkhand and Bihar.

MOU was signed between Bihar and Jharkhand in June 2006. The latest revised estimated cost of the project is Rs. 1289.50 cr. The expenditure upto March 2011 is Rs. 755.96 cr. The scheme is proposed to be completed during 12th Five Year Plan period.

(vi) **Bateshwar Sthan Pump Canal Scheme**

The Bateshwarthan Ganga Pump Canal Scheme is inter state project. The head works of this scheme is situated in Bihar State. In this project, water for irrigation is proposed to be lifted by high capacity, electrically driven pumps to be installed on river Ganga near village Sheikhpura (Kahalgaon). It also consists of construction of pucca pump houses and intake chambers etc which are in Bihar State. The scheme will provide irrigation in Geruadhar, Kahalgaon and Pirpainti blocks of Bhagalpur district in Bihar State. The total length of main canal is 47.26 km. The main canal of the schemes enters at 14.36 km in Jharkhand & reenters in Bihar State at 45.73 km. It will provide irrigation in 4887 ha in Meharma and Mahagama blocks of Godda district in Jharkhand State. Investment Clearance by Planning Commission, Govt. of India for Rs. 389.31 cr. The estimated cost of Jharkhand portion of work is Rs. 100.31 cr. The scheme is proposed to be included under AIBP & targeted to completed during 2013-14.

(vii) **Tajna Reservoir Project**

The scheme envisages construction of an Earthen Dam across river Tajna near Siladan village of Khunti Block in Khunti District. The scheme consists of Right Main Canal (16.097 km. long) & Left Main Canal (8.048 km. long) & distribution system. The Ultimate Irrigation Potential of the scheme is 5670 Hectare in Khunti block. Investment Clearance by Planning Commission, Govt. of India for Rs. 87.76 cr. The scheme is proposed to be included under AIBP & targeted to completed during 2013-14.

(viii) **Raisa Reservoir Project**

The scheme envisages construction of an Earthen Dam across river Raisa. It is located near village Gitimeri Toli of Bundu Block in Ranchi District. Scheme has Right Main Canal of length 9.48 km. and Left Main Canal of length 7.31 km. Branch Canal ex. Ch. 201 of Right Main Canal is 4.87 km. length. Irrigation potential to be created in Kharif is 1887.00 ha. and in Rabi is 1258 ha. Investment Clearance by Planning Commission, Govt. of India for Rs. 77.68 cr. The scheme is proposed to be included under AIBP & targeted to completed during 2012-13.

(ix) **Suru Reservoir Project**

The scheme consists of an Earthen dam across Suru river, a tributary of Subernarekha at Hurdanga village in Kuchai block of Saraikela – Kharsawan district. The scheme has two Main Canal having a length LMC – 11.529 km. &

RMC – 12.555 km. and its distributaries. The scheme will provide irrigation in 4441 ha. in Kharsawan block of Saraikele – Kharsawan district. At 2010 price level the revised cost of the project is Rs. 96.35 cr. After transfer of 139.892 ha. forest land in the project and resolving R&R issue. Investment Clearance will be obtained from Planning Commission & scheme will be proposed to be included under AIBP. The project is proposed to be completed during 12th Five Year Plan.

(x) **Kanti Reservoir Project**

The scheme envisages construction of an Earthen Dam across river Chhata near village Ghirpinda of Karra Block in Ranchi District. The scheme consist only one main canal having length of 20.91 km. & distribution system. The Ultimate Irrigation Potential of the scheme is 4370 Hectare. At 2008 price level the cost of the project is Rs. 113.16 cr. After obtaining Investment Clearance from Planning Commission, the scheme will be proposed to be included under AIBP. The project is proposed to be completed during 12th Five Year Plan.

(xi) **Suali Reservoir Project**

The scheme envisages construction of an Earthen Dam (Length – 660.06 m. including Spillway) across river Lafri. Lafri river merges in Baso river, main tributary of river Sankh. Scheme has Right Main Canal of length 12.103 km. and Left Main Canal of length 4.267 km. Irrigation potential created in Kharif will be 2488.10 ha. and in Rabi 932.831 ha. Irrigation facility will be provided in village Suali, Karani, Chiraiya, Kedarwani, Choto Katra, Bara Katra, Dumri, Bagmaria, Nichipur, Birri, Belgaon, Karmtoli and Harsari of Dumri block. At 2009 price level the cost of the project is Rs. 88.56 cr. After transfer of 58.53 ha. forest land in the project, Investment Clearance will be obtained from Planning Commission & scheme will be proposed to be included under AIBP. The project is proposed to be completed during 12th Five Year Plan.

(xii) **Kans Reservoir Project**

The Earthen Dam of scheme is located near Morgaon village of Bharno block in Gumla district on river Kans. The Scheme consists of Right Main Canal (15.42 Km.). Left Main Canal (30.42 km.) & distribution system. The Ultimate Irrigation Potential of the scheme is 2480 Hectare. No Forest land is involved. The estimated cost of the project is Rs. 44.18 cr. and expenditure upto March 2011 is Rs. 27.19 cr. Presently the work is closed due to public hindrance.

The department is trying to resolve the problem .

(xiii) **Jharjhara Reservoir Project**

The scheme consists of an Earthen Dam across river Brahmani in village Jharjhara of Chakradharpur block of West Singhbhum district. The Scheme has only one main canal having length 15.20 Km. along with distributaries. The scheme will provide irrigation in 4860 ha. in Chakradharpur block of West Singhbhum district. The estimated cost of the project is Rs. 49.87 cr. and expenditure upto March 2011 is Rs. 10.64 cr. Presently the work is closed due to public hindrance. The department is trying to resolve the problem .

(C) New Major & Medium Irrigation Projects Of 12th Five Year Plan

In addition to the above continuing projects of 11th Five Year Plan, the following New Major & Medium Irrigation Projects will be taken up for execution during 12th Five Year Plan.

i.	Burhai Reservoir Project	vii.	Torai Reservoir Project
ii.	Kanhar Reservoir Project	viii.	Salaiya Reservoir Project
iii	Tahle Reservoir Project	ix	Rarhu Reservoir Project
iv.	Tilaiya Irrigation Project	x	Kanchi Barrage Project
v	Domani Nala Reservoir Project	xi	Suggabathan Reservoir Project
vi.	Satpotka Reservoir Project	xii	Mahane Reservoir Project
xiii	Sawane Reservoir Project	xiv.	Other New Irrigation Scheme

The brief description of above mentioned irrigation projects are as follows:-

(i) Burhai Reservoir Project

Burhai Reservoir Project is located in drought prone and tribal dominated area of Deoghar district. The estimated cost of this project is Rs. 363.04 crore and 14.81 Th. Ha. Irrigation potential can be created by this project The project is under approval by C.W.C. .

(ii) Kanhar Reservoir Project

Kanhar Reservoir project is situated in drought prone district of Garhwa. The estimated cost of this project is Rs. 1350.00 crore and by this an irrigation potential of 56.60 Th. ha. can be created. It is an interstate project. The counterpart state Chattisgarh is being approached for interstate clearance.

(iii) Tahle Reservoir Project

This project is situated in district of Palamu. It is situated in a drought prone area. The Project is highly feasible and it will benefit schedule caste, schedule tribes and minorities.

(iv) **Tilaiya Irrigation Project**

This project is situated in Koderma district. The estimated cost of this project is Rs. 19.90 crore and 2.87 Th. Ha. Irrigation potential can be created by this project.

(v) **Domani Nala Irrigation Project**

This project is situated in Garhwa district. The estimated cost of this project is Rs. 31.42 crore and 1.75 Th. Ha. Irrigation potential can be created by this project.

(vi) **Satpotka Reservoir Project**

Satpotka Reservoir Scheme is located on Sirka and Kurta Bera Nala in Manonarpur block of West Singhbhum district. The estimated cost is Rs. 33.45 cr. and 2.35 th ha irrigation potential can be created.

(vii) **Torai Reservoir Project**

Torai Reservoir Project is situated in Littipara block of Sahebganj district. The length of Dam is 647.70 m and height is 24.40 m. It will provide irrigation of 7200 ha in Kharif and 800 ha in Rabbi in Hiranpur, Littipara and Amrapara block of Sahebganj district.

(viii) **Salaiya Reservoir Project**

The project is situated on Barsoti Nala in Barkatta block of Hazaribagh district. The estimated cost of the project is Rs. 45.78 cr and 2.67 th. ha irrigation potential can be created.

(ix) **Rarhu Reservoir Project**

The project is situated on Rarhu river in Silli block of Ranchi district. The estimated cost of the project is Rs. 282.85 cr and 11.30 th. ha irrigation potential can be created

(D) **Restoration Of Old Irrigation Projects And Its Maintenance**

Restoration of lost irrigation potential of old major & medium irrigation projects is cheaper & more beneficial than creation of new irrigation potential. An outlay of Rs 30000.00 lakh has been proposed during 12th Five Year Plan for the Restoration of Old Irrigation Projects.

(E) Extension Renovation & Modernization Of Completed Projects

E.R.M of completed projects is needed to enhance the irrigation capacity of existing irrigation projects or to retain their irrigation potential. Many augmentation schemes are needed to increase the water availability in existing irrigation projects. For this purpose, an outlay of Rs. 17500.00 lakh has been proposed during 12th Five Year Plan.

(F) Dam Safety & Hydrology Project –II

The Ministry of Water Resources (MoWR), GoI is piloting a Dam Safety project & Hydrology Project-II from World Bank assistances. Jharkhand is also included in this programme. Accordingly, outlay has been provided in the 12th Five Year Plan & Annual Plan 2012-13.

(G) Capacity Building, Strengthening & Upgradation.

a. Construction & Establishment of WALMI & Sichai Bhawan

After creation of Jharkhand state having its total geographical area of 79414 Sq Km, covered by 15 defined river basins, urgent necessity was felt for the reassessment of existing water resources, review of the policy and programmes of water resources development and management in light of national water policy, nationalization of water rates, amalgamation of various acts Concerning Irrigation/Flood Control/ Drainage improvement and review of the interstate agreements. In this context, with a view to have an in-depth study of the afore said problems encounter by the State Govt. and to effect an improvement in the prevailing situation, the proposed WALMI & Sichai Bhawan has become a basic need of State. At present, there is no such infrastructure. Mostly infrastructures are situated at different places. Sichai Bhawan will be established in the land of Water Resources Department which has already acquired.

For this purpose, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

b. Survey and Investigation, Consultancy and Evaluation.

For investigation of new irrigation projects and for purchase of survey instruments for survey of existing irrigation projects and for its up keep, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

c. **E. Governance**

For networking of entire offices, computerization and digitization of data an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

d. **Constitution of Jharkhand Irrigation Commission.**

Constitution of Jharkhand Irrigation Commission is necessary for reviewing the policy and programmes of water resources development and management in the light of national water policy. An outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

f. **Renovation of Old Vehicles/ Purchase of New Vehicles**

The existing inspection vehicles of various irrigation divisions are needed to be replaced in a phased manner to improve. An outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

g. **Renovation of building & construction of new buildings**

Renovation of old departmental buildings is necessary in a phased manner. For this purpose, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

h. **Training/Workshop/Seminar of Departmental Officers/Water User Association/ Beneficiaries Committee.**

For Training/Workshop/Seminar of Department Officers/ Water User Association/ Beneficiaries Committee, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

i. **Consultancy Services**

Due to need of development and shortage of Engineering Staff , consultancy services is required . For this purpose, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

(H) The various Major & Medium Irrigation Projects, which are proposed to be executed during 12th Five Year Plan & Annual Plan 2012-13 are summarized in various sub-heads as under:-

a) Earmarked Schemes (Accelerated Irrigation Benefit Programme (A.I.B.P.))

The following irrigation schemes are being executed under the A.I.B.P of Union Ministry of Water Resources (MoWR).The Proposed Outlay during 12th Five Year Plan & Annual Plan 2012-13 for the ongoing Earmarked Schemes, which are executed under A.I.B.P., is as below:-

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
	Execution of Earmarked Schemes under A.I.B.P., namely;						
1	Subernrekha Multipurpose Project						
	Additional Central Assistance	297596.00	160000.00	137596.00	106712.00	60000.00	46712.00
	State Plan	42539.00	24294.00	18245.00	11878.00	7000.00	4878.00
	Orissa/West Bengal Share	35706.00	35706.00	0	16800.00	16800.00	0
	Sub Total (2)	375841.00	220000.00	155841.00	135390.00	83800.00	51590.00
2	Tajna Reservoir Project Raisa Reservoir Project Bateshwarthan Pump Canal Project Suru Reservoir Project						
	Additional Central Assistance	16396.00	14521.00	0	10459.00	10016.00	0
	State Plan	13775.00	3979.00	1890.00	2442.00	653.00	461.00
	Sub Total (1)	30171.00	18500.00	1890.00	12901.00	10669.0	461.00
	Grand Total (1+2)	406012.00	238500.00	157731.00	148291.00	94469.00	52051.00

b) Continuing Projects (State Plan)

The ongoing projects of the XIth Five Year Plan period which are still under various stages of execution are proposed for execution in 12th Five Year Plan period.

Out of the continuing projects of XIth Five Year Plan some projects like Punasi Reservoir Scheme, Amanat, Konar Project etc are proposed to be included under AIBP during 12th Five Year Plan after obtaining necessary investment clearance by Planning Commission, Government of India. The expected ACA to be obtained for these schemes during 12th Five Year Plan

During 2011-12, 2 Major Irrigation Schemes namely Ajay Barrage Project & Gumani Barrage Project and 10 Medium Irrigation Schemes namely Upper Shankh Reservoir Scheme, Surangi Reservoir Scheme, Sonua Reservoir Scheme, Panchkhero Reservoir Scheme, Sukari Reservoir Scheme, Kesho Reservoir Scheme, Bhairwa Reservoir Scheme, Nakti Reservoir Scheme, Ramrekha Reservoir Scheme & Batane Reservoir Scheme are targeted to be completed. In the eventuality of any unforeseen circumstances the work could not be completed or the liability for any project remained unpaid, the provision for these payments a lump sum amount has been provided during 2012-13. The proposed outlay for these are indicated as below;

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
1	Execution of On-going Schemes namely; Amanat Barrage Project Punasi Reservoir Project Konar Irrigation Project North Koel Res, Project Jharjhara Res, Project Garhi Reservoir Scheme Suali Reservoir Scheme Kanti Reservoir Scheme Kans Reservoir Project	123069.00	50000.00	44069.00	2796.00	413.00	1033.00
	Sub Total (1)	123069.00	50000.00	44069.00	2796.00	413.00	1033.00
2.	Restoration of Old Irrigation Projects	30000.00	9000.00	12000.00	2000.00	650.00	700.00
3.	ERM of completed projects	17500.00	9000.00	0	1500.00	900.00	0
4.	Residual work/Liability payment of Irrigation Project to be completed during 2011-12	3000.00	1500.00	0	3000.00	1500.00	0
Grand Total (1+2+3+4)		173569.00	69500.00	56069.00	9296.00	3463.00	1733.00

(c) New Projects (State Plan)

The new irrigation schemes which are proposed to be taken up for survey & investigation and construction during 12th Five Year Plan 2012-17. The proposed outlay during 12th Five Year Plan period and Annual Plan 2012-13 for these schemes are indicated in table below:

(Rs. in Lakh)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
1	Execution of New Schemes namely; Burhai Reservoir Project Kanhar Reservoir Project, Tahle, Reservoir Project Domni Nala Irrigation Sch. Satpotka Reservoir Sch. Torai Reservoir Sch. Salaiya Reservoir Sch. Rarhu Reservoir Sch. Sugabathan Reservoir Sch. Mahane Reservoir Sch. Sawane Reservoir Sch. Daharbati Reservoir Sch. Kanchi Barrage Project. Talaiya Reservoir Sch. & Other Proposed Irrigation Projects.	327683.00	84200.00	104583.00	1454.00	632.00	490.00
	Sub Total (1)	327683.00	84200.00	104583.00	1454.00	632.00	490.00
2.	Dam Safety	3000.00	1500.00	0.00	10.00	10.00	0.00
3.	Capacity Building, Strengthening & Up-gradation						
	a. Construction & Establishment (furnishing) of Sinchai Bhawan	2500.00	2500.00	0	300.00	300.00	0
	b. Survey and Investigation, Consultancy and Evaluation.	3000.00	1500.00	0	350.00	175.00	0
	c. E. Governance	500.00	500.00	0	100.00	100.00	0
	d. Constitution of Jharkhand Irrigation Commission & Water Regulatory Authority	1500.00	1500.00	0	50.00	50.00	0
	e. Renovation of Old Vehicles/ New Vehicles for Newly created Divisions	1000.00	500.00	0	100.00	50.00	0
	f. Renovation of Building & construction of new buildings	3000.00	1000.00	2000.00	400.00	100.00	300.00
	g. Training / Workshop/ Seminar	500.00	500.00	0.00	20.00	20.00	0.00
	Sub Total (3)	12000.00	8000.00	2000.00	1320.00	795.00	300.00
	Grand Total (1+2+3)	342683.00	93700.00	106583.00	2784.00	1437.00	790.00

Out of the above new schemes Burhai Reservoir Scheme, Kanhar Irrigation Scheme, Tahle Reservoir Scheme, Domni Nala Reservoir Scheme, Rarhu Reservoir Scheme, Sugabathan Reservoir Scheme are proposed to be included in AIBP after obtaining investment clearance from Planning Commission, Government of India. The expected ACA to be obtained for these schemes during 12th Five Year Plan and Annual Plan 2012-13 will be Rs. 1920.60 cr. and Rs. 7.00 cr. respectively

In addition to above projects depending on the need and demand of the agriculture section as well as of drinking water for town and habitation, survey will be undertaken for creation of new dams or allied infrastructure facilities. However as per the latest CWC Guidelines for new projects, provision of 10% of the water for drinking water purposes will be adhered to.

(d) **Summary Table**

(Rs. in Lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
A	Earmarked Scheme	406012.00	238500.00	157731.00	148291.00	94469.00	52051.00
B	Continuing Projects (State Plan)	173569.00	69500.00	56069.00	9296.00	3463.00	1733.00
C	New Project (State Plan)	342683.00	93700.00	106583.00	2784.00	1437.00	790.00
D	E.A.P (in any)						
	Total	922264.00	401700.00	320383.00	160371.00	99369.00	54574.00

II. **MINOR IRRIGATION PROJECT.**

A. INTRODUCTION

The State of Jharkhand is situated in a plateau region having the undulating topography. The Annual Precipitation in this State is 1300 mm to 1400mm. Minor & lift irrigation schemes are more suitable for this region as they are economical to construct and have low gestation period and do not involve any major land acquisition or displacement problem. The total cultivable area of the State is 29.74 lakh ha of which only 12.765 lakh ha can be irrigated through Major and Medium Irrigation Project while the remaining area has to be covered through Minor/Lift Irrigation/Ground Water Projects. In Major & Medium Schemes there is a problem of land acquisition & forest clearance whereas in Minor Irrigation Schemes, there is no such problems. Minor Irrigation Schemes can be completed during shorter time span. Irrigation can be provided from 1st year by Minor Irrigation Schemes.

B. TWELFTH PLAN (2012-17) AND ANNUAL PLAN (2012-13)

In Twelfth Plan period a total out lay of Rs.24700.00 crore has been proposed for creating 200.00 th. ha. irrigation potential.

(a) EARMARKED SCHEMES (ACCELERATED IRRIGATION BENEFIT PROGRAMME (A.I.B.P.))

Due to geographical condition and topography, Minor Irrigation Schemes are more suitable and beneficial to the State. Hence, more and more Series of Check Dams under Minor Irrigated sector has been proposed for inclusion under AIBP. The proposal of 1,030 nos. Series of Check Dams Schemes with Estimated Cost of Rs. 731.35 Cr. and Irrigation Potential of 91.48 th. ha. are being submitted for inclusion under AIBP. During 12th Five Year Plan period, many more Series Check Dam/Check Dam Schemes are proposed to be included under A.I.B.P.

The Proposed Outlay for 12th Five Year Plan & Annual Plan (2012-13), Earmarked Schemes under Minor Irrigation Sector, which will be executed under A.I.B.P., is as below:-

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
1	Execution of Earmarked Schemes under A.I.B.P., namely; Construction of Check Dam/ Series Check Dam., Construction of Medium. Irrigation Schemes & other Minor Irrigation Schemes						
	Additional Central Assistance	207000.00	134500.00	0	26029.00	16000.00	0
	State Plan	230000.00	15000.00	0	2700.00	1600.00	0
	Sub Total (1)	230000.00	149500.00	0.00	28729.00	17600.00	0.00

(b) STATE SHARE TO CSS/CS (R.R.R. of Water Bodies)

Under the Pilot Project for Repair, Restoration & Renovation (R.R.R.) of Water Bodies directly linked to Agriculture old water bodies are selected by Ministry of Water Resources, Government of India as Centrally sponsored schemes on 90:10::Centre:State ratio. Schemes for this program has been selected & approval of State level TAC has been obtained. The proposal for inclusion of schemes under this program is being submitted. The proposed outlay for 12th Five Year Plan (2012-17) & Annual Plan (2012-13) as state share is as follows;

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
1	Pilot Project for R.R.R. of Water Bodies directly linked to Agriculture	15000.00	7500.00	0.00	300.00	100.00	0.00
	Sub Total (1)	15000.00	7500.00	0.00	300.00	100.00	0.00

(c) **CONTINUING PROJECTS (State Plan)**

The ongoing schemes of the 11th Five Year Plan Period which are still under various stages of execution will be completed. The proposed Outlay for these continuing projects is indicated as below;

(Rs in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
1	Execution of Ongoing Minor Irrigation Project namely ; Construction of Check Dam/ Series Check Dam. Construction & Rehabilitation of Water Harvesting structures (M.I.Projects/Check dams/Ponds/Ahar etc) under Gram Bhagirathi Yojana Construction of Medium Irrigation Projects Construction of Lift Irrigation Projects Construction of different dia dugwells Construction of Microlift Projects	660.00	200.00	60.00	660.00	200.00	60.00
	Sub Total (1)	660.00	200.00	60.00	660.00	200.00	60.00
B	Ground Water Survey & Recharging Projects	40.00	30.00	0	40.00	30.00	0
C.	Restoration of Old Minor Irrigation Projects & its maintenance namely; Renovation of Lift Irrigation Project Renovation M.I. Project/Ch. Dam Project Renovation of Ahar – Ponds/Augmentation of traditional water resources Renovation of Lift Irrigation Project	800.00	350.00	100.00	800.00	350.00	100.00
Grand Total (1+2+3+4)		1500.00	580.00	160.00	1500.00	580.00	160.00

(d) **NEW PROJECTS (State Plan)**

The Minor Irrigation Scheme such as Pond, Ahar, Medium Irrigation Schemes, Microlift Schemes, Renovation Schemes & other schemes which can not be included under AIBP will be taken up for execution as per requirement of the topography or people in mass.

In addition to the scheme following Capacity building, Strengthening & Upgradation works are proposed to be undertaken during 2012-13:-

A. Survey and Investigation, Consultancy and Evaluation.

For investigation of new irrigation projects and for purchase of survey instruments for survey of existing irrigation projects and for its up keep, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

B. E. Governance

For networking of entire offices, computerization and digitization of data an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

C. Renovation of Old Vehicles/ Purchase of New Vehicles

The existing inspection vehicles of various irrigation divisions are needed to be replaced in a phased manner to improve. An outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

D. Renovation of building & construction of new buildings

Renovation of old departmental buildings is necessary in a phased manner. For this purpose, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

E. Training/Workshop/Seminar of Departmental Officers/Water User Association/ Beneficiaries Committee.

For Training/Workshop/Seminar of Department Officers/ Water User Association/ Beneficiaries Committee, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

F. Jharkhand State Water Resources Development Society.

Water Resource Department is promoting a society named “Jharkhand Water Resource Development Society (JWRDS)” under Societies’ Registration act XXI of 1860. The promotion of society becomes mandatory in view of ensuring Participatory Irrigation Management (PIM), as a conditionality set by Central Water Commission and Government of India, in all the irrigation schemes implemented by the department. The JWRDS has following broad plan -

- (i) Facilitate promotion of Water User Association (WUA) of farmers in 50% villages/ hamlets, where irrigation infrastructures has been created
- (ii) Ensure Safety of check dams and other irrigation infrastructure by WUA
- (iii) Implementation of Repair, Rejuvenation and Restoration (RRR) project as per GoI guideline
- (iv) Facilitate awareness creation among farmers for water conservation, catchment treatment and command area development, accordingly develop plan for water conservation, catchment treatment and Command area development on stream wise.
- (v) Prepare communication and training materials in the form of manual, leaflets, etc.
- (vi) Organize exposure visits and training of WUA functionaries and farmer on operation & maintenance of schemes, cropping intensity and productivity enhancement and marketing
- (vii) Setting system for water sharing, water tariff collection mechanism, operation and future maintenance of created irrigation infrastructure
- (viii) Establishment of JWRDS offices, its recurring cost, cost for hiring services of non-governmental organizations, resource agencies and consultants.
- (ix) Any other activity, as suggested and required by the department or CWC or Government of India

For this purpose, an outlay has been proposed during 12th Five Year Plan & Annual Plan 2012-13.

For the above mentioned works, outlay during 12th Five Year Plan period (2012-17) & Annual Plan (2012-13) are indicated as below;

(Rs. in Lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
1	Execution of New Minor Irrigation Project namely ; Construction of Check Dam/ Series Check Dam. Construction & Rehabilitation of Water Harvesting structures (M.I.Projects / Check dams/ Ponds/ Ahar etc) under Gram Bhagirathi Yojana Construction of Medium Irrigation Projects Construction of different dia dugwells Construction of Lift Irrigation Schemes Construction of Microlift Projects Construction of Ahar Tank, Construction of Series of Ponds under Pilot Project .	90000.00	40000.00	10000.00	1200.00	500.00	100.00
	Sub Total (1)	90000.00	40000.00	10000.00	1200.00	500.00	100.00
B	Ground Water Survey & Recharging Projects	2000.00	1200.00	0	80.00	60.00	0
C.	Restoration of Old Minor Irrigation Projects & its maintenance	14500.00	6500.00	1500.00	0	0	0
D	Capacity Building , Strengthening & Upgradation.	7000.00	4000.00	0.00			
	Survey and Investigation, Consultancy and Evaluation.				60.00	30.00	0
	Construction & Renovation of buildings, godown & offices.				100.00	50.00	0
	E. Governance				15.00	15.00	0
	Restoration of Old Vehicles/Purchase of New vehicle				35.00	20.00	0
	Training of officials NGO/W.U.A.				10.00	10.00	0
	Jharkhand State Water Resources Development Society & Payment of Jhalco				600.00	300.00	0
	Sub Total (D)				820.00	425.00	0.00
Grand Total (1+2+3+4)		113500.00	51700.00	11500.00	2100.00	985.00	100.00

(e) SUMMARY TABLE

(Rs in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
(a)	Earmarked Scheme	230000.00	149500.00	0	28729.00	17600.00	0
(b)	STATE SHARE TO CSS/CS	15000.00	7500.00	0	300.00	100.00	0
(c)	Continuing Projects (State Plan)	1500.00	580.00	160.00	1500.00	580.00	160.00
(d)	New Projects (State Plan)	113500.00	51700.00	11500.00	2100.00	985.00	100.00
(e)	E.A.P (in any)	0	0	0	0	0	0
	Total	360000.00	209280.00	11660.00	32629.00	19265.00	260.00

III. COMMAND AREA DEVELOPMENT (CAD)

A. INTRODUCTION

Participation in the Command Area Development and Water Management Programme (CADWM) of MoWR, Government of India. Under Command Area Development and Water Management Programme (CADWM) of Government of India 50% grant is released by Union Government of execution of these projects. Three projects, namely Kanchi Weir, Mayuakshi and Annaraj had been submitted of which Kanchi & Mayurakshi have already been accorded approval. In addition to these schemes proposal for Command Area Development Program for Ajay Barrage Project, Gumani Barrage Project and some other projects will be submitted to Government of India soon for approval.

B. STATE SHARE TO CSS/CS

The proposed outlay for 12th Five Year Plan (2012-17) & Annual Plan (2012-13) as state share for ongoing & proposed Command Area Development and Water Management Programme (CADWM) under Central assistance is as follows;

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
i.	Command Area Development of Schemes under CADWM, namely; Mayurakshi Reservoir Project Kanchi Irrigation Project Ajay Barrage Project Gumani Barrage Project Anraj Reservoir Project & other irrigation projects	20000.00	500.00	1000.00	300.00	0.00	140.00
	Total	20000.00	500.00	1000.00	300.00	0.00	140.00

C. SUMMARY TABLE

(Rs in Lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
(a)	Earmarked Scheme						
(b)	STATE SHARE TO CSS/CS	20000.00	500.00	1000.00	300.00	0.00	140.00
(c)	Continuing Projects (State Plan)						
(d)	New Projects (State Plan)						
(e)	E.A.P (in any)						
	Total	20000.00	500.00	1000.00	300.00	0.00	140.00

IV. FLOOD CONTROL

A. INTRODUCTION

Many villages on the right bank of river Ganga are threatened due to erosion of bank or River Ganga for the last several years. The River Ganga is endangering the National Highway No- 80 running parallel to the river on to right bank. To save the villages and the National Highway anti erosion works such as revetment and bed bars will have to be done. Besides this, some small rivers in the district of Godda and Pakur and Ganga in Sahebganj are also causing flood problems, Embankment repair/strengthening in Godda / Shahebgang / Pakur districts is therefore proposed during 12th Five Year Plan Period. Besides anti erosion schemes on river Sone and its tributaries in the district of Garwha and Palamu are also proposed to be taken up. On the entire right bank, the river Sone is engulfing agricultural land in Palamu district. Need based sporadic anti erosion / flood control works could be taken up in other part of the state as well.

B. STATE SHARE TO CSS/CS

The Ministry of Water Resources (MoWR), GoI is piloting Anti Erosion works in Ganga Basin with central assistance of 75%, where in Jharkhand is also included. The anti erosion works to be executed in subsequent years is decided on the basis of actual site condition after the visit of C.W.C. members and with their consent.

Accordingly tentative provisions have been made as below;

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
i.	Anti Erosion works in Ganga basin to be executed with central assistance.	4000.00	2500.00	500.00	400.00	400.00	0.00
	Total	4000.00	2500.00	500.00	400.00	400.00	0.00

C. CONTINUING PROJECTS (State Plan)

The ongoing flood protection projects of the XIth Five Year Plan period which are still under various stages of execution, the proposed outlay is indicated as below :

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
i.	Various on-going projects of 11 th Five Year Plan to be completed during 12 th Five Year Plan.	800.00	725.00	75.00	800.00	725.00	75.00
	Total	800.00	725.00	75.00	800.00	725.00	75.00

D. NEW PROJECTS (State Plan)

The flood protection projects which can not be included under Central Assistance programme of Government of India due to various reasons & which are necessary for the public are proposed to be executed during 12th Five Year Plan (2007-12) period. These projects are decided on yearly basis as per site condition and requirement by departmental Technical Advisory Committee. Accordingly lump-sum tentative provisions have been made as below;

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
i.	Anti erosion work at various sites as per requirement in Jharkhand.	7700.00	6000.00	1500.00	500.00	375.00	125.00
	Total	7700.00	6000.00	1500.00	500.00	375.00	125.00

E. SUMMARY TABLE

(Rs. in lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
(a)	Earmarked Scheme						
(b)	STATE SHARE TO CSS/CS	4000.00	2500.00	500.00	400.00	400.00	0.00
(c)	Continuing Projects (State Plan)	800.00	725.00	75.00	800.00	725.00	75.00
(d)	New Projects (State Plan)	7700.00	6000.00	1500.00	500.00	375.00	125.00
(e)	E.A.P (in any)						
	Total	12500.00	9225.00	2075.00	1700.00	1500.00	200.00

**V. PROPOSED OUTLAY OF WATER RESOURCES DEPARTMENT FOR
TWELFTH FIVE YEAR PLAN (2012-17) & ANNUAL PLAN (2012-13)**

(Rs. in Lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
A	Earmarked Scheme (A.I.B.P)						
	Swarnrekha Multipurpose project	375841.00	220000.00	155841.00	135390.00	83800.00	51590.00
	Other Major & Medium Schemes	30171.00	18500.00	1890.00	12901.00	10669.0	461.00
	Minor Irrigation Schemes	230000.00	149500.00	0.00	28729.00	17600.00	0.00
B	STATE SHARE TO CSS/CS						
	R.R.R. of Water bodies (Minor)	15000.00	7500.00	0.00	300.00	100.00	0.00
	Command Area Development (CAD)	20000.00	500.00	1000.00	300.00	0.00	140.00
	Anti Erosion works in Ganga Basin (Flood)	4000.00	2500.00	500.00	400.00	400.00	0.00
C	STATE PLAN SCHEME						
	Continuing Schemes						
	Major & Medium Irrigation	173569.00	69500.00	56069.00	9296.00	3463.00	1733.00
	Minor Irrigation Scheme	1500.00	580.00	160.00	1500.00	580.00	160.00
	Flood Control	800.00	725.00	75.00	800.00	725.00	75.00
	New Schemes						
	Major & Medium Irrigation	342683.00	93700.00	106583.00	2784.00	1437.00	790.00
	Minor Irrigation Scheme	113500.00	51700.00	11500.00	2100.00	985.00	100.00
	Flood Control	7700.00	6000.00	1500.00	500.00	375.00	125.00
	Grand Total	1314764.00	620705.00	335118.00	195000.00	120134.00	55174.00

VI. SUMMARY (WATER RESOURCES)

(Rs. in Lakhs)

Sl. No.	Name of Project	12 th Five Year Plan (2012-17)			Annual Plan (2012-13)		
		Proposed Outlay	Flow to TSP	Flow to SCSP	Proposed Outlay	Flow to TSP	Flow to SCSP
A	Earmarked Scheme (A.I.B.P)	636012.00	388000.00	157731.00	177020.00	112069.00	52051.00
B	STATE SHARE TO CSS/CS	39000.00	10500.00	1500.00	1000.00	500.00	140.00
C	STATE PLAN SCHEME						
	Continuing Schemes	175869.00	70805.00	56304.00	11596.00	4768.00	1968.00
	New Schemes	463883.00	151400.00	119583.00	5384.00	2797.00	1015.00
D	EAP (if any)						
	Grand Total	1314764.00	620705.00	335118.00	195000.00	120134.00	55174.00

VII. Finance requirement and Segregated annually for 5 consecutive years :

(Rs. in Lakhs)

Sl.	Sector	Year wise requirement of Fund						Remarks
		2012-13	2013-14	2014-15	2015-16	2016-17	Total	
1	Major & Medium Irr. Schemes	160371.00	218499.00	205022.00	110741.00	227631.00	922264.00	
2	Minor Irrigation Schemes	32629.00	60000.00	70000.00	110000.00	87371.00	360000.00	
3	Flood Sector	1700.00	2000.00	2200.00	3600.00	3000.00	12500.00	
4	Command Area Development	300.00	1000.00	4000.00	7000.00	7700.00	20000.00	
Total :-		195000.00	281499.00	281222.00	231341.00	325702.00	1314764.00	

DRAFT ANNUAL STATE PLAN (2012-13)- PROPOSED OUTLAYS

(Rs. in lakh)

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17	Annual Plan 2012-13
		Projected Outlay (at 2006-07 Prices)	Actual Expenditure (at current prices)	Actual Expenditure	Revised Outlay	Actual Expenditure	Tentative Projected outlay (at 2011-12 prices)	Proposed Outlay
0	1	2	3	4	5	6	7	8
1	MAJOR & MEDIUM IRRIGATION PROJECT							
A	Earmarked Schemes under A.I.B.P.							
a	Medium Irrigation Projects		16259.175	2490.351	8310.000	2442.407	30171.000	12901.000
b	Subernrekha Project		94513.582	10904.969	21179.060	17471.806	375841.000	135390.000
B	On-going Medium Irrigation Projects		54414.234	7609.105	6155.940	4593.964	123069.000	2796.000
C	New Medium Irrigation Projects		843.045	7.715	36.000	35.800	327683.000	1454.000
D	Restoration of old Irrigation Project & its maintenance		5176.783	676.179	1190.000	622.840	30000.000	2000.000
E	E.R.M. of completed Irrigation Projects		1466.414	284.694	660.000	518.470	17500.000	1500.000
F	Residual work & Liability payment of projects to completed during 2011-12						3000.000	3000.000
G	Dam Safety measures & Hydrology Project II		0.000	0.000	0.000	0.000	3000.000	10.000
H	Capacity Building, Strengthening & Upgradation.							
	Construction of Sinchai Bhawan & WALMI		0.000	0.000	0.000	0.000	2500.000	300.000
	Survey, Investigation & Consultancy Services		309.216	40.860	252.000	142.740	3000.000	350.000
	E-Governance		160.137	26.058	60.000	42.710	500.000	100.000
	Constitution of Jharkhand Irrigation Commission & Water Regulatory Authority		0.000	0.000	0.000	0.000	1500.000	50.000
	Linking Irrigation to Agriculture		0.000	0.000	0.000	0.000	0.000	0.000
	Renovation of Vehicle/Purchase of new vehicle		264.676	61.566	80.000	71.750	1000.000	100.000
	Renovation of old buildings & con. new buildings		328.742	95.862	200.000	165.030	3000.000	400.000
	Training		16.217	9.030	4.000	2.010	500.000	20.000
	Sub-Total (H)		1078.988	233.376	596.000	424.240	12000.000	1320.000
	Total (1)	236932.000	173752.221	22206.389	38127.000	26109.527	922264.000	160371.000

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17	Annual Plan 2012-13
		Projected Outlay (at 2006-07 Prices)	Actual Expenditure (at current prices)	Actual Expenditure	Revised Outlay	Actual Expenditure	Tentative Projected outlay (at 2011-12 prices)	Proposed Outlay
0	1	2	3	4	5	6	7	8
2	MINOR IRRIGATION PROJECT							
A	Earmarked Schemes under A.I.B.P.		25487.325	5798.493	26000.000	19688.832	230000.000	28729.000
B	State Shaare to CSS/CS							
	Pilot Project for R.R.R. of Water Bodies directly linked to Agriculture		165.000	0.000	0.000	0.000	15000.000	300.000
C	On-going Minor Irrigation Projects		17824.665	806.386	1000.000	783.050	660.000	660.000
D	New Minor Irrigation Projects		5871.107	2152.305	2000.000	804.593	90000.000	1200.000
E	Ground Water Survey & Recharging Projects		258.829	33.069	123.000	81.670	2040.000	120.000
F	Restoration of Old Minor Irrigation Projects & its maintenance		3728.634	427.800	1200.000	325.150	15300.000	800.000
G	Capacity Building, Strengthening & Upgradation.							
	Survey & Inv. Work		15.590	6.100	0.000	0.000	500.000	60.000
	E-Governance & Computerisation		24.660	9.706	10.000	8.749	200.000	15.000
	Renovation of Vehicle/Purchase of new vehicle		146.478		25.000	19.048	350.000	35.000
	Renovation of old buildings/Construction of building		136.522	22.841	100.000	71.600	800.000	100.000
	Training of Officials NGO / WUA		0.000	0.000	0.000	0.000	150.000	10.000
	Jharkhand State Water Resources Dev. Society		0.000	0.000	0.000	0.000	5000.000	600.000
	Sub-Total (G)		323.250	38.647	135.000	99.397	7000.000	820.000
H	Liability of BPDP		0.000	0.000	0.000	0.000	0.000	0.000
	Total (2)	95270.00	53658.810	9256.700	30458.000	21782.692	360000.000	32629.000
3	COMMAND AREA DEVELOPMENT PROGRAMME	2235.000	41.290	0.000	115.000	16.810	20000.000	300.000
	Total (3)	2235.000	41.290	0.000	115.000	16.810	20000.000	300.000
4	FLOOD PROTECTION PROJECT	3500.000	3367.735	704.085	1300.000	1213.520	12500.000	1700.000
	Total (4)	3500.000	3367.735	704.085	1300.000	1213.520	12500.000	1700.000
	Grand Total(1+2+3+4)	337937.000	230820.056	32167.174	70000.000	49122.549	1314764.000	195000.000

GN STATEMENT-B (Part-I)
DRAFT ANNUAL STATE PLAN (2012-13)- PROPOSED OUTLAYS (From State Budget)

(Rs. in lakh)

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17	Annual Plan 2012-13
		Projected Outlay (at 2006-07 Prices)	Anticipated Expenditure (at current prices)	Actual Expenditure	Revised Outlay	Anticipated Expenditure	Tentative Projected outlay (at 2011-12 prices)	Proposed Outlay
0	1	2	3	4	5	6	7	8
1	MAJOR & MEDIUM IRRIGATION PROJECT							
A	Earmarked Schemes under A.I.B.P.							
a	Medium Irrigation Projects		17767.328	2490.351	4400.000	4400.000	16923.000	2442.000
b	Subernrekha Project		83041.776	10904.969	6000.000	6000.000	42482.000	11878.000
B	On-going Medium Irrigation Projects		56633.270	7609.105	6813.000	6813.000	44604.000	2796.000
C	New Medium Irrigation Projects		864.245	7.715	1070.000	57.000	135623.000	1454.000
D	Restoration of old Irrigation Project & its maintenance		6053.943	676.179	1500.000	1500.000	30000.000	2000.000
E	E.R.M. of completed Irrigation Projects		1947.944	284.694	1000.000	1000.000	17500.000	1500.000
F	Residual work & Liability payment of projects to completed during 2011-12						3000.000	3000.000
G	Dam Safety measures & Hydrology Project II		0.000	0.000	1.000	1.000	3000.000	10.000
H	Capacity Building, Strengthening & Upgradation.							
	Construction of Sinchai Bhawan & WALMI		90.000	0.000	90.000	90.000	2500.000	300.000
	Survey, Investigation & Consultancy Services		826.476	40.860	1140.000	660.000	3000.000	350.000
	E-Governance		197.427	26.058	80.000	80.000	500.000	100.000
	Constitution of Jharkhand Irrigation Commission & Water Regulatory Authority		10.000	0.000	10.000	10.000	1500.000	50.000
	Linking Irrigation to Agriculture		0.000	0.000	4.000	0.000	0.000	0.000
	Renovation of Vehicle/Purchase of new vehicle		272.926	61.566	80.000	80.000	1000.000	100.000
	Renovation of old buildings & con. new buildings		363.712	95.862	200.000	200.000	3000.000	400.000
	Training		26.207	9.030	12.000	12.000	500.000	20.000
	Sub-Total (H)		1786.748	233.376	1616.000	1132.000	12000.000	1320.000
	Total (1)	236932.000	168095.254	22206.389	22400.000	20903.000	305132.000	26400.000

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17	Annual Plan 2012-13
		Projected Outlay (at 2006-07 Prices)	Anticipated Expenditure (at current prices)	Actual Expenditure	Revised Outlay	Anticipated Expenditure	Tentative Projected outlay (at 2011-12 prices)	Proposed Outlay
0	1	2	3	4	5	6	7	8
2	MINOR IRRIGATION PROJECT							
A	Earmarked Schemes under A.I.B.P.		6798.493	5798.493	1000.000	1000.000	23000.000	2700.000
B	State Shaare to CSS/CS							
	Pilot Project for R.R.R. of Water Bodies directly linked to Agriculture		365.000	0.000	200.000	200.000	15000.000	300.000
C	On-going Minor Irrigation Projects		18241.615	806.386	1200.000	1200.000	660.000	660.000
D	New Minor Irrigation Projects		7066.514	2152.305	2000.000	2000.000	90000.000	1200.000
E	Ground Water Survey & Recharging Projects		326.159	33.069	149.000	149.000	2040.000	120.000
F	Restoration of Old Minor Irrigation Projects & its maintenance		4803.484	427.800	1400.000	1400.000	15300.000	800.000
G	Capacity Building, Strengthening & Upgradation.							
	Survey & Inv. Work		115.590	6.100	100.000	100.000	500.000	60.000
	E-Governance & Computerisation		25.911	9.706	10.000	10.000	200.000	15.000
	Renovation of Vehicle/Purchase of new vehicle		157.430	0.000	30.000	30.000	350.000	35.000
	Renovation of old buildings/Construction of building		164.922	22.841	100.000	100.000	800.000	100.000
	Training of Officials NGO / WUA		10.000	0.000	10.000	10.000	150.000	10.000
	Jharkhand State Water Resources Dev. Society		0.000	0.000	0.000	0.000	5000.000	600.000
	Sub-Total (G)		473.853	38.647	250.000	250.000	7000.000	820.000
H	Liability of BPDP		1.00	0.000	1.000	1.000	0.000	0.000
	Total (2)	95270.00	38076.118	9256.700	6200.000	6200.000	153000.000	6600.000
3	COMMAND AREA DEVELOPMENT PROGRAMME	2235.000	224.480	0.000	200.000	200.000	20000.000	300.000
	Total (3)	2235.000	224.480	0.000	200.000	200.000	20000.000	300.000
4	FLOOD PROTECTION PROJECT	3500.000	3454.215	704.085	1300.000	1300.000	12500.000	1700.000
	Total (4)	3500.000	3454.215	704.085	1300.000	1300.000	12500.000	1700.000
	Grand Total(1+2+3+4)	337937.000	209850.067	32167.174	30100.000	28603.000	490632.000	35000.000

GN STATEMENT-B (Part-II)

DRAFT ANNUAL STATE PLAN (2011-12)- PROPOSED OUTLAYS
 Public Sector Enterprises) (From

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17 Tentative Projected Outlay (at 2011-12 prices)	Annual Plan 2012-13	Rs. in lakh
		Projected Outlay (at 2006-07 Prices)	Anticipated Expenditure (as current prices)	Actual Expenditur e	Approved Outlay	Anticipated Expenditur e			Proposed Outlay
0	1	2	3	4	5	6	7	8	
Not Applicable									

GN STATEMENT-B (Part-III)

DRAFT ANNUAL STATE PLAN (2012-13)- PROPOSED OUTLAYS (From Local Bodies)

Rs. in lakh

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17 Tentative Projected Outlay (at 2011-12)	Annual Plan 2012-13
		Projected Outlay (at 2006-07 Prices)	Anticipated Expenditure (at current Prices)	Actual Expenditure	Approved Outlay	Anticipated Expenditure		
0	1	2	3	4	5	6	7	8
Not Applicable								

GN STATEMENT-C (Part-I)

DRAFT ANNUAL PLAN (2012-13)- PROPOSED OUTLAYS (Rural Local Bodies)

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17 Tentative Projected outlay (at 2011-12 prices)	Annual Plan 2012-13 Proposed Outlay	Rs. in lakh
		Projected Outlay (at 2006-07 Prices)	Anticipated Expenditure (at current Prices)	Actual Expenditure	Approved Outlay	Anticipated Expenditure			
0	1	2		3	4	5			6
Not Applicable									

GN STATEMENT-C (Part-II)

ANNUAL PLAN (2011-12)- PROPOSED OUTLAYS (Urban Local Bodies)

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17 Tentative Projected outlay (at 2011-12 prices)	Annual Plan 2012-13	Rs. in lakh
		Projected Outlay (at 2006-07 Prices)	Anticipated Expenditure (at current prices)	Actual Expenditure	Agreed Outlay	Anticipated Expenditure			Proposed Outlay
0	1	2		3	4	5		6	
Not Applicable									

GN STATEMENT-C (Part-III)

DRAFT ANNUAL STATE PLAN (2011-12)- PROPOSED OUTLAYS (Total of Rural Local Bodies &Urban Local Bodies)

Sl. No.	Major Heads/Minor Heads of Development	Eleventh Plan 2007-12	Eleventh Plan 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Twelfth Plan 2012-17 Tentative Projected outlay (at 2011-12 prices)	Annual Plan 2011-12	Rs. in lakh
		Projected Outlay (at 2006-07 Prices)	Anticipated Expenditure (at current Prices)	Actual Expenditure	Agreed Outlay	Anticipated Expenditure			Proposed Outlay
0	1	2		3	4	5			6
Not Applicable									

DRAFT ANNUAL STATE PLAN (2011-12)-PROPOSED OUTLAYS

(Rs. in lakh)

Sl. No.	Major Heads/Minor Heads of Development (Scheme-wise)	Implementing Agency State Government Public Sector Enterprises/Local Bodies	Eleventh Plan - (2007- 12) Projected Outlay (at 2006-07 Prices)	Eleventh Plan Anticipated Expenditure (at current prices)	Annual Plan 2010-11 Actual Expenditure	Annual Plan (2011-12)		12th Five Year Plan Tentative Projected Outlay (at 2011-12 prices)	Annual Plan (2012- 13)
						Revised Outlay	Actual Expenditure		
0	1	2	3	4	5	6	7	8	9
1	MAJOR & MEDIUM IRRIGATION PROJECT								
A	Earmarked Schemes under A.I.B.P.								
a	Medium Irrigation Projects			16259.175	2490.351	8310.000	2442.41	30171.00	12901.00
b	Subernreka Project			94513.582	10904.969	21179.060	17471.81	375841.00	135390.00
B	On-going Medium Irrigation Projects			54414.234	7609.105	6155.940	4593.96	123069.00	2796.00
C	New Medium Irrigation Projects			843.045	7.715	36.000	35.80	327683.00	1454.00
D	Restoration of old Irrigation Project & its maintenance			5176.783	676.179	1190.000	622.84	30000.00	2000.00
E	E.R.M. of completed Irrigation Projects			1466.414	284.694	660.000	518.47	17500.00	1500.00
F	Residual work & Liability payment of projects to completed during 2011-12							3000.00	3000.00
G	Dam Safety measures & Hydrology Project II			0.000	0.000	0.000	0.000	3000.00	10.00
H	Capacity Building, Strengthening & Upgradation.								
	Construction of Sinchai Bhawan & WALMI			0.000	0.000	0.000	0.00	2500.00	300.00
	Survey, Investigation & Consultancy Services			309.216	40.860	252.000	142.74	3000.00	350.00
	E-Governance			160.137	26.058	60.000	42.71	500.00	100.00
	Constitution of Jharkhand Irrigation Commission & Water Regulatory Authority			0.000	0.000	0.000	0.00	1500.00	50.00
	Linking Irrigation to Agriculture			0.000	0.000	0.000	0.00	0.00	0.00
	Renovation of Vehicle/Purchase of new vehicle			264.676	61.566	80.000	71.75	1000.00	100.00
	Renovation of old buildings & con. new buildings			328.742	95.862	200.000	165.03	3000.00	400.00
	Training			16.217	9.030	4.000	2.01	500.00	20.00
	Sub-Total (H)			1078.99	233.376	596.000	424.240	12000.00	1320.00
	Total (1)		236932.00	173752.221	22206.389	38127.000	26109.527	922264.000	160371.000

Sl. No.	Major Heads/Minor Heads of Development (Scheme-wise)	Implementing Agency	Eleventh Plan - (2007-12) Projected Outlay (at 2006-07 Prices)	Eleventh Plan Anticipated Expenditure (at current prices)	Annual Plan 2010-11 Actual Expenditure	Annual Plan (2011-12)		12th Five Year Plan Tentative Projected Outlay (at 2011-12 prices)	Annual Plan (2012-13)
						Revised Outlay	Actual Expenditure		
0	1	2	3	4	5	6	7	8	9
2	MINOR IRRIGATION PROJECT								
A	Earmarked Schemes under A.I.B.P.			25487.33	5798.493	26000.00	19688.83	230000.00	28729.00
B	State Shaare to CSS/CS								
	Pilot Project for R.R.R. of Water Bodies directly linked to Agriculture			165.00	0.00	0.00	0.00	15000.00	300.00
C	On-going Minor Irrigation Projects			17824.67	806.386	1000.00	783.05	660.00	660.00
D	New Minor Irrigation Projects			5871.11	2152.305	2000.00	804.59	90000.00	1200.00
E	Ground Water Survey & Recharging Projects			258.83	33.069	123.00	81.67	2040.00	120.00
F	Restoration of Old Minor Irrigation Projects & its maintenance			3728.63	427.800	1200.00	325.15	15300.00	800.00
G	Capacity Building, Strengthening & Upgradation.								
	Survey & Inv. Work			15.590	6.100	0.00	0.00	500.00	60.00
	E-Governance & Computerisation			24.660	9.706	10.00	8.75	200.00	15.00
	Renovation of Vehicle/Purchase of new vehicle			146.478	0.000	25.00	19.05	350.00	35.00
	Renovation of old buildings/Construction of building			136.522	22.841	100.00	71.60	800.00	100.00
	Training of Officials NGO / WUA			0.000	0.000	0.00	0.00	150.00	10.00
	Jharkhand State Water Resources Dev. Society			0.000	0.000	0.00	0.00	5000.00	600.00
	Sub-Total (G)			323.250	38.647	135.000	99.397	7000.000	820.00
H	Liability of BPDP			0.00	0.000	0.00	0.00	0.00	0.00
	Total (2)		95270.00	53658.810	9256.700	30458.000	21782.692	360000.000	32629.00
3	COMMAND AREA DEVELOPMENT PROGRAMME			41.290	0.000	115.00	16.81	20000.00	300.00
	Total (3)		2235.00	41.290	0.000	115.000	16.81	20000.000	300.00
4	FLOOD PROTECTION PROJECT			3367.735	704.085	1300.00	1213.52	12500.00	1700.00
	Total (4)		3500.00	3367.735	704.085	1300.000	1213.520	12500.000	1700.00
	Grand Total(1+2+3+4)		337937.00	230820.06	32167.174	70000.00	49122.55	1314764.00	195000.00

PHYSICAL TARGETS AND ACHIEVEMENTS

Potential in Th ha

Sl. No.	Item	Unit	Eleventh Five-Year Plan- 2007-12		Annual Plan 2011-12		Eleventh Plan 2007-12 Actual Achievement (col. 4+6)	Twelfth Five Year Plan 2012-17 (tentative) Target	Annual Plan 2012-13 (Proposed) Target	Remarks
			Eleventh Plan Target	Annual Plan (2007-08 to 2010-11) Actual Achievement	Target	Actual Achievement				
0	1	2	3	4	5	6	7	8	9	10
1	MAJOR & MEDIUM IRRIGATION PROJECT									
	(A) MAJOR IRR. PROJECT									
	i. Ajay Barrage Project		40.510		40.510		0.000	40.510	40.510	
	ii. Gumani Barrage Project		16.190		16.190		0.000	16.190	16.190	
	iii. Subernrekha Multipurpose Project		21.040	2.200	20.000		2.200	234.640	51.060	
	iv. Amanant Barrage Project							24.290		
	v. Konar Irrigation Project							62.790		
	vi. Punasi Reservoir Scheme							24.000		
	vii. Rarhu Reservoir Scheme							11.320		
	viii. Burhai Reservoir Scheme							14.810		
	x. North Koel Reservoir Scheme							7.330		
	Sub Total		77.740	2.200	76.700	0.000	2.200	435.880	107.760	
	(B) MEDIUM IRR. PROJECT									
	i. Upper Shankh Res. Project		7.070		7.070	0.400	0.400	6.670	6.670	
	ii. Surangi Res.Project		2.600		2.600			2.600	2.600	
	iii. Sonua Res.Project		8.008		8.008			8.008	8.008	
	iv. Panchkhero Res.Project		3.080		3.080			3.080	3.080	
	v. Bhairawa Res. Project		4.800		4.800			4.800	4.800	
	vi. Suru Res.Project		4.440					4.440		
	vii. Nakti Res.Project		2.250		2.250			2.250	2.250	
	viii. Ramrekha Res.Project		4.390		4.390			4.390	4.390	
	ix. Keso Res.Project		3.560		3.560			3.560	3.560	
	x. Batane Res.Project		1.660		1.660			1.660	1.660	
	xi. Kansjore Res.Project		6.260	6.260			6.260	0.000		
	xii. Katri Res.Project		5.060	5.060			5.060	0.000		
	xiii. Dhansinghtoli Res.Project		2.990	2.990			2.990	0.000		

Sl. No.	Item	Unit	Eleventh Five-Year Plan- 2007-12		Annual Plan 2011-12		Eleventh Plan 2007-12 Actual Achievement (col. 4+6)	Twelfth Five Year Plan 2012-17 (tentative) Target	Annual Plan 2012-13 (Proposed) Target	Remarks
			Eleventh Plan Target	Annual Plan (2007-08 to 2010-11) Actual Achievement	Target	Actual Achievement				
0	1	2	3	4	5	6	7	8	9	10
	xiv. Sukari Res. Project			0.470		0.470		0.470	0.470	
	xv. Tajna Res. Project			5.670				5.670		
	xvi. Raisa Res. Scheme							3.140		
	xvii. Suali Res. Scheme							3.420		
	xviii. Kanti Res. Project			4.370				4.370		
	xix. Bateshwarthan pump Canal Scheme							4.870		
	xx. Tahle Res. Scheme							0.000		
	xxi. Tilaiya Res. Scheme							2.870		
	xxii. Domani Nala Irr. Scheme							2.140		
	xxiii. Dharbati Res. Scheme							0.600		
	xxiv. Sugathen Res. Scheme							3.670		
	xxv. Mahane Res. Scheme							2.320		
	xxvi. Sawane Res. Scheme							2.110		
	Sub Total		66.678	14.310	37.888	0.400	14.710	77.108	37.488	
	Total (A+B)		144.418	16.510	114.588	0.400	16.910	512.988	145.248	
2	MINOR IRRIGATION PROJECTS									
	i. Ch. Dam & Series Check Dam Project			26.125	59.362	27.755	53.880		50.370	
	ii. Construction of Medium Irr. Project .			3.382	1.650	0.828	4.210		1.600	
	iii. Construction of Ponds/ Ahar			0.480	0.000	0.000	0.480			
	iv. Construction of Lift and Microlift Project .		120.000	14.386	0.690	0.048	14.434	247.000	0.400	
	v. Const. & Rehbit. of Water Harvesting structures (M.I Sch/ Ch dams/ponds/ahar etc) & Gram Bhagirathi Yojana			2.025	0.210	0.000	2.025			
	vi. Construction of diff.dia dugwell			3.684	1.088	0.172	3.856		0.328	
	Total(2)		120.000	50.082	63.000	28.803	78.885	247.000	52.698	
	Grand Total (2)		264.418	66.592	177.588	29.203	95.795	759.988	197.946	

ANNEXURE-III

Statement Regarding Externally Aided Projects

Rs. In lakh

Sl. No	Name,nature & location of the Project with Project code and name of external funding agency	Date of sanction date of commencement of work	Terminal date of disbursement of external aid: (a) Original (b) Revised	Estimated Cost Original a) State's share (b) Revised b) (Latest)	Pattern of Funding Central Assistane c)Other Sources (to be specified) d) Total	Eleventh Plan (2007-12) Projected Outlay (at 2006-07 Prices)	Cumulative Expenditure From (2007-08 to 2010-11) at current prices	Annual Plan 2011-12		Twelfth Plan 2012-17 Tentative Projected outlay at (2011-12 Prices)	Annual Plan 2012-13 (Proposed)
								Outlay	Anticipated Expenditure		
0	1	2	3	4	5	6	7	8	9		10
NIL											

ANNEXURE - IV

CENTRALLY SPONSORED SCHEMES

(Rs. In Lakh)

Sl. No.	Name of the Scheme	Pattern of Funding	Eleventh Plan (2007-12)		Annual Plan (2010-11)		Annual Plan (2011-12)				Eleventh Plan 2007-12		12th Plan Tentative Projected Outlay at 2011-12 Prices		Annual Plan (2012-13)		Remarks	
			Projected Outlay at 2006-07 prices		Actual Expenditure		Outlay		Actual Expenditure		Actual Expenditure at current prices		Proposed Outlay					
			Central Share	State Share	Central Share	State Share	Central Share	State Share	Central Share	State Share	Central Share	State Share	Central Share	State Share	Central Share	State Share		
0	1	2	3	4	5	6	7	8	9	10	11				12	13	14	
1	Minor Irrigation Project																	
	i. Pilot Project for R.R.R of Water Bodies directly linked to Agriculture	90	10	31338.00	10446.00	0.00	0.00	600.00	200.00	0.00	0.00	600.00	0.00	135000.00	15000.00	2700.00	300.00	
2	Command Area Development	50	50	1915.00	1915.00	0.00	0.00	200.00	200.00	200.00	16.81	200.00	41.29	20000.00	20000.00	300.00	300.00	
3	Flood Protection Project																	
	i. Anti Erosion works in Ganga basin to be executed with central assistance.	75	25	1800.00	600.00	452.88	200.00	1200.00	400.00	371.94	400.00	1624.82	1271.88	12000.00	4000.00	1200.00	400.00	
	Total			35053.00	12961.00	452.88	200.00	2000.00	800.00	571.94	416.81	2424.82	1313.17	167000.00	39000.00	4200.00	1000.00	

TRIBAL SUB-PLAN (TSP)-I
DRAFT ANNUAL PLAN 2011-12 - FINANCIAL OUTLAYS : PROPOSALS FOR TSP

ANNEXURE -V A

Sl. No.	Major Head/Sub-head/Schemes	Eleventh Five Year Plan (2007-12)-Projected Outlays (at 2006-07 prices)		Annual Plan (2010-11)	Annual Plan (2011-12)			Eleventh Plan 2007-12 Projected Outlay (at 2011-12 Prices)	12th Plan Tentative Projected Outlay (at 2011-12 Prices)		Annual Plan (2012-13)		
		Actual Expenditure under TSP			Revised Outlay		Actual Expenditure		Proposed Outlay				
		Total Outlay	of which flow to TSP		Total Outlay	of which flow to TSP	Total Outlay	of which flow to TSP	Expenditure Under TSP (at current prices)	Total Outlay	of which flow to TSP	Total Outlay	of which flow to TSP
0	1	2	3	4	5	6	7	8	9	10	11	12	13
1	MAJOR & MEDIUM IRRIGATION PROJECT												
A	Earmarked Schemes under A.I.B.P.												
a	Medium Irrigation Projects			1766.100	8310.00	6556.00	2442.407	1673.77	8564.22	30171.00	18500.00	12901.000	10669.00
b	Subernrekha Project			6984.699	21179.06	18179.060	17471.810	14715.81	71581.08	375841.00	220000.00	135390.000	83800.000
B	On-going Medium Irrigation Projects			1766.100	6155.94	1543.000	4593.96	242.850	9049.190	123069.000	50000.000	2796.000	413.000
C	New Medium Irrigation Projects			0.000	36.00	0.00	35.80	0.00	601.03	327683.00	84200.00	1454.000	632.00
D	Restoration of old Irrigation Project & its maintenance			485.630	1190.00	455.000	622.84	258.323	1974.900	30000.000	9000.000	2000.000	650.000
E	E.R.M. of completed Irrigation Projects			0.00	660.00	60.000	518.47	0.000	0.000	17500.000	9000.000	1500.000	900.000
F	Residual work & Liability payment of projects to completed during 2011-12			0.00						3000.000	1500.000	3000.000	1500.000
G	Dam Safety measures & Hydrology Project II			0.00	0.00	0.000	0.00	0.000	0.000	3000.000	1500.000	10.000	10.000
H	Capacity Building, Strengthening & Upgradation.			0.000	0.00	0.000	0.00	0.000	0.000	2500.000	2500.000	300.000	300.000
	Construction of Sinchai Bhawan & WALMI			0.000	40.860	252.00	230.000	142.74	97.100	263.580	3000.000	1500.000	350.000
	Survey, Investigation & Consultancy Services												175.000
	E-Governance			26.058	60.00	60.000	42.71	42.710	160.140	500.000	500.000	100.000	100.000
	Constitution of Jharkhand Irrigation Commission & Water Regulatory Authority			0.000	0.00	0.000	0.00	0.000	0.000	1500.000	1500.000	50.000	50.000
	Linking Irrigation to Agriculture			0.000	0.00	0.000	0.00	0.000	0.000	0.000	0.000	0.000	0.000
	Renovation of Vehicle/Purchase of new vehicle			30.783	80.00	40.000	71.75	35.020	197.160	1000.000	500.000	100.000	50.000
	Renovation of old buildings & con. new buildings			56.740	200.00	100.000	165.03	96.330	223.700	3000.000	1000.000	400.000	100.000
	Training			9.030	4.00	4.000	2.01	2.010	13.450	500.000	500.000	20.000	20.000
	Sub-Total (H)			163.471	596.000	434.000	424.240	273.170	858.030	12000.000	8000.000	1320.000	795.000
	Total (1)	236932.000		11166.000	38127.000	27227.060	26109.527	17163.923	92628.450	922264.000	401700.000	160371.000	99369.000

Sl. No.	Major Head/Sub-head/Schemes	Eleventh Five Year Plan (2007-12)-Projected Outlays (at 2006-07 prices)		Annual Plan (2010-11)	Annual Plan (2011-12)			Eleventh Plan 2007-12	12th Plan Tentative Projected Outlay (at 2011-12 Prices)	Annual Plan (2012-13)			
					Actual Expenditure under TSP		Revised Outlay		Actual Expenditure		Actual		
		Total Outlay	of which flow to TSP	Total Outlay	of which flow to TSP	Total Outlay	of which flow to TSP	Expenditure Under TSP (at current prices)	Total Outlay	of which flow to TSP	Total Outlay	of which flow to TSP	
0	1	2	3	4	5	6	7	8	9	10	11	12	13
2	MINOR IRRIGATION PROJECT												
A	Earmarked Schemes under A.I.B.P.												
B	State Share to CSS/CS												
	Pilot Project for R.R.R. of Water Bodies directly linked to Agriculture												
C	On-going Minor Irrigation Projects												
D	New Minor Irrigation Projects												
E	Ground Water Survey & Recharging Projects												
F	Restoration of Old Minor Irrigation Projects & its maintenance												
G	Capacity Building, Strengthening & Upgradation.												
	Survey & Inv. Work												
	E-Governance & Computerisation												
	Renovation of Vehicle/Purchase of new vehicle												
	Renovation of old buildings/Construction of building												
	Training of Officials NGO / WUA												
	Jharkhand State Water Resources Dev. Society												
	Sub-Total (G)												
H	Liability of BPDP												
	Total (2)	95270.00		4854.323	30458.000	2673.000	21782.692	13363.249	28338.511	360000.000	209280.000	32629.000	19265.000
3	COMMAND AREA DEVELOPMENT PROGRAMM	2235.00		0.00	115.00	0.00	16.81	0.00	0.000	20000.000	500.000	300.000	0.00
	Total (3)	2235.00		0.00	115.00	0.00	16.81	0.00	0.00	20000.00	500.00	300.00	0.00
4	FLOOD PROTECTION PROJECT	3500.00		704.085	1300.00	1175.00	1213.520	1145.230	3299.445	12500.000	9225.000	1700.000	1500.00
	Total (4)	3500.00		704.085	1300.000	1175.000	1213.520	1145.230	3299.445	12500.000	9225.000	1700.000	1500.00
	Grand Total(1+2+3+4)	337937.00		16724.408	70000.000	31075.060	49122.549	31672.402	124266.406	1314764.000	620705.000	195000.000	120134.000

ANNEXURE-V- B

TRIBAL SUB-PLAN (TSP)-II
ANNUAL PLAN 2011-12- PHYSICAL TARGETS AND ACHIEVEMENTS: PROPOSALS FOR TSP

(Potential in Th. Ha.)

Sl. No.	Major Head/Sub-head/Schemes	Unit	Eleventh Five Year Plan 2007-12	Annual Plan 2010-11		Annual Plan 2011-12		Eleventh Plan (2007-12) Actual Achievement	12th Five Year Plan (Tentative)	Annual Plan 2012-13 (Proposed)			
				Target	Actual Achievement	Target	Actual Achievement						
0	1	2	3	5	6	7	8	9	10	11			
1	MAJOR & MEDIUM IRRIGATION PROJECT												
	(A)MAJOR IRR. PROJECT												
	i. Ajay Barrage Project		40.510	4.000		40.510		0.000	40.510	40.510			
	ii. Gumani Barrage Project		16.190	16.190		16.190		0.000	16.190	16.190			
	iii. Subernrekha Multipurpose Project		21.040			20.000		0.000	234.64	41.97			
	iv. Rarhu Reservoir Scheme									11.32			
	Sub Total		77.740	20.190	0.000	76.700	0.000	0.000	302.660	98.670			
	(B) MEDIUM IRR. PROJECT												
	i. Upper Shank Res. Project		7.070			7.070	0.400	0.400	7.070	7.070			
	ii. Surangi Res.Project		2.601	2.601		2.600	0.000	0.000	2.600	2.600			
	iii. Sonua Res.Project		8.008	8.080		8.008	0.000	0.000	8.008	8.008			
	vi. Suru Res.Project		4.440							4.440			
	vii. Nakti Res.Project		2.250	2.250		2.250	0.000	0.000	2.250	2.250			
	viii. Ramrekha Res.Project		4.390	4.390		4.390	0.000	0.000	4.390	4.390			
	xi. Kansjore Res.Project		6.260	6.260	6.260			6.260					
	xii. Katri Res.Project		5.060					5.060					
	xiii. Dhansinghtoli Res.Project		2.990					2.990					
	xiv. Sukari Res. Project		0.440			0.440	0.000	0.000	0.440	0.44			
	xv. Tajna Res.Project		5.670						5.670				
	xvi. Raisa Res. Scheme		4.370						3.140	0			
	xvii. Suali Res. Scheme									3.420			
	xviii Kanti Res. Project									4.370			
	Sub Total		53.549	23.581	6.260	24.758	0.400	14.710	45.798	24.758			
	Total (A+B)		131.289	43.771	6.260	101.458	0.400	14.710	348.458	123.428			

Sl. No.	Major Head/Sub-head/Schemes	Unit	Eleventh Five Year Plan 2007-12	Annual Plan 2010-11		Annual Plan 2011-12		Eleventh Plan (2007-12) Actual Achievement	12th Five Year Plan (Tentative)	Annual Plan 2012-13 (Proposed)
				Target	Actual Achievement	Target	Actual Achievement			
	0	1	2	3	5	6	7	8	9	10
2	Minor Irrigation Projects									
	i. Ch. Dam & Series Check Dam Project									
	ii. Construction of Medium Irr. Project .									
	iii. Construction of Ponds/ Ahar									
	iv. Construction of Microlift Project .									
	v. Const. & Rehbt. of Water Harvesting structures (M.I Sch/ Ch dams/ponds/ahar etc) & Gram Bhagirathi Yojana									
	vi. Construction of diff.dia dugwell									
	Total (2)		42.00	5.56	3.25	41.50	22.50	34.36	120.00	15.51
	Grand Total (1+2)		173.29	49.33	9.51	142.96	22.90	49.07	468.46	138.94

SCHEDULED CASTE SUB-PLAN (SCSP) -I
DRAFT ANNUAL PLAN 2011-12 - FINANCIAL OUTLAYS : PROPOSALS FOR SCSP

ANNEXURE -VI-A

Sl. No.	Major Head/Sub-head/Schemes	Eleventh Five Year Plan (2007-12)-Projected Outlays (at 2006-07 prices)		Annual Plan 2010-11	Annual Plan (2011-12)				Eleventh Plan 2007-12 Actual Expenditure Under SCSP (at Current prices)	Twelfth Plan Tentative Projected Outlay (at 2011-12 prices)		Annual Plan (2012-13)			
		Total Outlay	of which flow to SCSP		Revised Outlay		Actual Expenditure			Proposed Outlay					
					Total Outlay	of which flow to SCSP	Total Outlay	of which flow to SCSP		Total Outlay	of which flow to SCSP				
0	1	2	3	4	5	6	7	8	9	10	11	12			
1	MAJOR & MEDIUM IRRIGATION PROJECT														
A	Earmarked Schemes under A.I.B.P.														
a	Medium Irrigation Projects			837.930	8310.00	514.00	2442.41	500.40	4284.64	30171.00	1890.00	12901.00			
b	Subernrekh Project			3920.270	21189.06	3000.000	17471.81	2756.00	15947.80	375841.00	155841.00	135390.00			
B	On-going Medium Irrigation Projects			2946.547	6155.94	2217.940	4593.96	1791.93	16750.74	123069.00	44069.00	2796.00			
C	New Medium Irrigation Projects				0.000	36.00	0.00	35.80	0.00	198.00	327663.00	104583.00			
D	Restoration of old Irrigation Project & its maintenance			71.330	1190.00	455.00	622.84	159.97	569.59	30000.00	12000.00	2000.00			
E	E.R.M. of completed Irrigation Projects				0.000	660.00	0.000	518.47	0.00	0.00	17500.00	0.00			
F	Residual work & Liability payment of projects to completed during 2011-12				0.000	0.00	0.000		0.00	3000.00	0.00	3000.00			
G	Dam Safety measures & Hydrology Project II				0.000	0.00	0.000	0.00	0.00	3000.00	0.00	10.00			
H	Capacity Building, Strengthening & Upgradation.														
	Construction of Sinchai Bhawan & WALMI				0.000	252.00	0.000	0.00	0.00	2500.00	0.00	300.00			
	Survey, Investigation & Consultancy Services				0.000	60.00	0.000	142.74	0.00	0.00	3000.00	0.00			
	E-Governance				0.000	0.00	0.000	42.71	0.00	0.00	500.00	0.00			
	Constitution of Jharkhand Irrigation Commission & Water Regulatory Authority				0.000	0.00	0.000	0.00	0.00	1500.00	0.00	50.00			
	Linking Irrigation to Agriculture				0.000	80.00	0.000	0.00	0.00	0.00	0.00	0.00			
	Renovation of Vehicle/Purchase of new vehicle				0.000	200.00	0.000	71.75	0.00	0.00	1000.00	0.00			
	Renovation of old buildings & con. new buildings				39.122	4.00	100.000	165.03	62.70	101.82	3000.00	2000.00			
	Training				0.000	0.00	0.000	2.01	0.000	0.00	500.00	0.00			
	Sub-Total (H)				39.122	596.000	100.000	424.240	62.700	101.820	12000.000	2000.000			
					7815.199	38137.00	6286.94	26109.53	5271.00	37852.59	922244.00	320383.00			
											160371.00	54574.00			
		Total (1)	236932.000												

Sl. No.	Major Head/Sub-head/Schemes	(Rs. In Lakh)											
		Eleventh Five Year Plan (2007-12)-Projected Outlays (at 2006-07 prices)		Annual Plan 2010-11 Actual Expenditure Under SCSP	Annual Plan (2011-12)				Eleventh Plan 2007-12 Actual Expenditure Under SCSP (at Current prices)	Twelfth Plan Tentative Projected Outlay (at 2011-12 prices)		Annual Plan (2012-13)	
		Total Outlay	of which flow to SCSP		Revised Outlay		Actual Expenditure			Total Outlay	of which flow to SCSP	Total Outlay	of which flow to SCSP
0	1	2	3	4	5	6	7	8	9	10	11	12	13
2	MINOR IRRIGATION PROJECT												
A	Earmarked Schemes under A.I.B.P.												
B	State Share to CSS/CS												
	Pilot Project for R.R.R. of Water Bodies directly linked to Agriculture												
C	On-going Minor Irrigation Projects												
D	New Minor Irrigation Projects												
E	Ground Water Survey & Recharging Projects												
F	Restoration of Old Minor Irrigation Projects &												
G	Capacity Building, Strengthening &												
	Survey & Inv. Work												
	E-Governance & Computerisation												
	Renovation of Vehicle/Purchase of new vehicle												
	Renovation of old buildings/Construction of												
	Training of Officials NGO / WUA												
	Jharkhand State Water Resources Dev. Society												
	Sub-Total (G)												
H	Liability of BPDP	95270.00											
	Total (2)	95270.000		742.416	30458.00	700.000	21782.69	53.22	3421.14	360000.00	11660.00	32629.000	260.000
3	COMMAND AREA DEVELOPMENT PROGRAMM	2235.000		0.000	115.00	20.00	16.81	0.00	10.00	20000.00	1000.00	300.00	140.00
	Total (3)	2235.00		0.000	115.00	20.00	16.81	0.00	10.00	20000.00	1000.00	300.00	140.00
4	FLOOD PROTECTION PROJECT	3500.00		0.000	1300.00	125.00	1213.52	68.29	68.29	12500.00	2075.00	1700.00	200.00
	Total (4)	3500.00		0.000	1300.00	125.000	1213.520	68.290	68.290	12500.000	2075.000	1700.000	200.000
	Grand Total(1+2+3+4)	337937.000		8557.615	70000.00	7131.94	49122.55	5392.51	41352.02	1314744.000	335118.000	195000.000	55174.000

SCHEDULED CASTE SUB-PLAN (SCSP) -II
DRAFT ANNUAL PLAN 2011-12-PHYSICAL TARGETS AND ACHIEVEMENTS: PROPOSALS FOR SCSP

ANNEXURE -VIB

Sl. No.	Major Head/Sub-head/Schemes	Unit	Eleventh Five Year Plan (2007- 12)		Annual Plan 2010-11		Annual Plan 2011-12		Eleventh Plan (2007-12) Anticipated Achievement	12th Five Year Plan (Tentative)	(Potential in Th. Ha) Annual Plan 2012-13 (proposed)
			Target	Taget	Actual Achievement	Target	Anticipated Achievement				
			0	1	2	3	5	6	7	8	9
a	MAJOR & MEDIUM IRRIGATION PROJECT										
	(A)MAJOR IRR. PROJECT										
i.	Ajay Barrage Project		12.153		0.600	0.000	12.153		12.153	12.153	
ii.	Gumani Barrage Project			4.857			4.857		4.857	4.857	
iii.	Subemrekhya Multipropose Project			6.312			6.312		6.312	6.312	42.928 8.394
iv.	Amanant Barrage Project										7.287
v.	Konar Irrigation Project										18.837
vi.	Punasi Reservoir Scheme										4.857
vii.	Rarhu Reservoir Scheme										2.264
viii.	Burhia Reservoir Scheme										4.443
ix.	Kanhar Project										9.435
	Sub Total		23.322		0.600	0.000	23.322		23.322	23.322	90.051 8.394
	(B) MEDIUM IRR. PROJECT										
i.	Upper Shank Res. Project		2.121		2.121		2.121		2.121	2.121	
ii.	Surangi Res.Project			0.780		0.780		0.780		0.780	
iii.	Sonua Res.Project			2.424		2.424		2.424		2.424	
iv.	Panchkhhera Res.Project			0.926		0.926		0.926		0.926	
v.	Bhairawa Res. Project			1.440		1.440		1.440		1.440	
vi.	Suru Res.Project			1.332							0.880
vii.	Nakti Res.Project			0.675		0.675		0.675		0.675	
viii.	Ramrekha Res.Project			1.317		1.317		1.317		1.317	
ix.	Keso Res.Project			1.068		1.068		1.068		1.068	
x..	Batane Res.Project			0.498		0.498		0.498		0.498	
xi.	Kansjore Res.Project			1.878		1.878		1.878		1.878	
xii.	Katri Res.Project			1.518							1.518
xiii.	Dhansingtholi Res.Project			0.897							0.897
xiv.	Sukari Res. Project			0.132			0.132		0.132	0.132	
xv.	Tajna Res.Project			1.701							1.134
xvi.	Raisa Res. Scheme			1.311							0.628 0.628
xvii.	Suali Res. Scheme										0.684
xviii.	Kanti Res. Project										0.874
xix.	Bateshwarthan pump Canal Scheme										1.461
xx.	Tahle Res. Scheme										3.000
xxi.	Tilaiya Res. Scheme										0.801
xxii.	Domani Nala Irr. Scheme										0.642
xxiii.	Sugathan Res. Scheme										1.101
xxiv.	Mahane Res. Scheme										0.696
xxv.	Sawane Res. Scheme										0.633
	Sub Total		20.018		12.947	1.878	11.381		11.381	15.674	12.534 0.628
	Total (A+B)		43.340		13.547	1.878	34.703		34.703	38.996	102.585 9.022

Sl. No.	Major Head/Sub-head/Schemes	Unit	Eleventh Five Year Plan (2007-12)	Annual Plan 2010-11		Annual Plan 2011-12		Eleventh Plan (2007-12) Anticipated Achievement	12th Five Year Plan (Tentative)	(Potential in Th. Ha) Annual Plan 2012-13 (proposed)
				Target	Taget	Actual Achievement	Target		Target	
	0	1	2	3	5	6	7	8	9	10
2	Minor Irrigation Projects									
	i. Ch. Dam & Series Check Dam Project									
	ii. Construction of Medium Irr. Project .									
	iii. Construction of Ponds/ Ahar									
	iv. Construction of Lift & Microlift Project .									
	v. Const. & Rehblt. of Water Harvesting structures (M.I Sch/ Ch dams/ponds/ahar etc) & Gram Bhagirathi Yojana									
	vi. Construction of diff.dia dugwell									
	Total (2)		30.00	2.20	0.46	0.75	0.75	3.27	8.00	0.35
	Grand Total (1+2)		73.34	15.75	2.34	35.45	35.45	42.27	110.55	9.37

Annexure -VII

**DRAFT ANNUAL STATE PLAN 2011-12 PROPOSALS OUTLAYS
FINANCIAL OUTLAYS/EXPENDITURE FOR VOLUNTARY SECTOR**

Sl. No.	Schemes	Eleventh Five Year Plan - 2007-12	Annual Plan 2010-11	Annual Plan 2011-12		Eleventh Plan (2007-12) Anticipated Expenditure (at Current Prices)	12th Five Year Plan Tentative Projected Outlay at 2011- 12 Prices	Annual Plan 2012-13	(Rs. In lakh)
		Proposed Outlay (at 2006-07)	Actual Expenditure	Approved Outlay	Anticipated Expenditure				Proposed Outlay
0	1	2	3	4	5				6
N.A.									

Annexure VIII-A

WOMEN COMPONENT (WC) IN THE STATE PLAN PROGRAMMES-I
DRAFT ANNUAL STATE PLAN 2011-12- FINANCIAL OUTLAYS: PROPOSALS FOR WC

(Rs. In lakh)

Sl. No	Major Head/Sub-head/Schemes	Schemes*	Eleventh Five Year Plan (2007-12)-Proposed Outlays (at 2006-07 prices)		Annual Plan (2010-11)	Annual Plan (2011-12)				Eleventh Plan 2007-12 Anticipated Expenditure Under WC	12th Five Year Plan Tentative Projected Outlay at 2011-12 Prices		Annual Plan (2012-13)			
						Approved Outlay		Anticipated Expend			Proposed Outlay					
			Total Outlay	of which flow to WC												
0	1	2	3	4	5	6	7	8	9	10	11	12	13	14		
N.A																

ANNEXURE VIII -B

WOMEN COMPONENT (WC) IN THE STATE PLAN PROGRAMMES-II
 DRAFT ANNUAL STATE PLAN 2011-12 - PHYSICAL TARGETS AND ACHIEVEMENTS : PROPOSALS FOR WC

Sl. No.	Major Head/Sub- head/Schemes	Unit	Eleventh Five Year Plan (2007-12)	Annual Plan 2010-11		Annual Plan 2011-12		Eleventh Plan (2007- 12) Anticipated Achievemen t	12th Five Year Plan (tantative)	Annual Plan 2012-13
				Target	Target	Actual Achievement	Target			
0	1	2	3	4	5	6	7	8	9	10
N.A.										

ANNUAL STATE PLAN 2012-13- Information on 15 Flagship Programmes

Sl.No.	Name of the Programmes	2007-08			2008-09			2009-10			2010-11			2011-12			12th Five Year Plan Tentative Projected Outlay at 2011-12 Prices		Annual Plan(2012-13) Proposed			
		Centre Share Released	State Share Released	Actual Exp.	Centre Share Released	State Share Released	Actual Exp.	Centre Share Released	State Share Released	Actual Exp.	Centre Share Released	State Share Released	Actual Exp.	Centre Share Released	State Share Released	Actual Exp.	Centre Share	State Share	Centre Share	State Share		
1.	2.	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
12	Accelerated Irrigation Benefit Programme																					
A	Major & Medium Irrigation Schemes																585101.00	79959.00				
i	Kansjore Reservoir Scheme	200.00	200.00		100.00	100.00		277.50	277.50													
ii	Sonua Reservoir Scheme	199.49	199.49		577.47	577.47		241.28	241.28		121.00	121.00		200.00	75.66							
iii	Surangi Reservoir Scheme	113.44	243.14	356.58		53.57	53.57		296.89	296.89		112.10	112.10		100.00	78.08						
iv	Upper Shankh Reservoir Scheme	270.00	886.95	1156.95		563.12	563.12		580.71	580.71	1124.00	595.25	595.25		2.00	291.51						
v	Panchkhero Reservoir Scheme	168.00	1548.74	1716.74	102.00	723.00	825.00		199.96	199.96		56.86	56.86			45.82						
vi	Gumani Barrage Scheme		1848.00	1848.00		1545.70	1545.70		423.60	423.60		335.20	335.20		518.58	471.51						
vii	Subernrekha Multipurpose Project	-	-	-	-	-	-	-	-	-	-	-	-	33554.00	6000.00	17437.49			106712.00	11878.00		
viii	Raisa Reservoir Scheme	-	-	-	-	-	-	-	-	-	-	-	-	1050.00	1049.42				3266.00	364.00		
ix	Tajna Reservoir Scheme	-	-	-	-	-	-	-	-	-	-	-	-			0.00			4050.00	450.00		
x	Bateshwarthan Pump Canal Scheme	-	-	-	-	-	-	-	-	-	-	-	-	250.00	222.42				443.00	1328.00		
xi	Suru Reservoir Scheme																		2700.00	300.00		
	Total (A)	551.44	4926.32	5477.76	102.00	3562.86	3664.86	0.00	2019.94	2019.94	1124.00	1220.41	1220.41	33554.00	8120.58	19671.91	585101.00	79959.0	117171.00	14320.00		
B	Minor Irrigation Schemes																	207000.00	23000.00	26029.00	2700.00	
i	Sukari Reservoir Scheme	-	-	-	-	-	-	-	-	-	567.00	60.41	60.41				103.08					
ii	116 Nos. Minor Irrigation Schemes	-	-	-	-	-	-	-	-	-	7290.00	5798.00	5798.43	6686.00	-	6884.76						
iii	60 Nos. Minor Irrigation Schemes	-	-	-	-	-	-	-	-	-	5159.06	-	-	3,608.52	910.00	5971.12						
iv	108 Nos. Minor Irrigation Schemes	-	-	-	-	-	-	-	-	-	10138.67	-	-	-	-	581.16						
v	171 Nos. Minor Irrigation Schemes													12,150.00	-	581.16						
	Total (B)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23154.73	5858.41	5858.84	22444.52	910.00	14121.28	207000.00	23000.00	26029.00	2700.00		
	Grand Total (A+B)	551.44	4926.32	5477.76	102.00	3562.86	3664.86	0.00	2019.94	2019.94	24278.73	7078.82	7079.25	55998.52	9030.58	33793.19	792101.00	102959.00	143200.00	17020.00		