

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)**

| SL. No. | SECTOR | TWELFTH FIVE YEAR PLAN (2012-17) | (Rs. in cr.) 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.

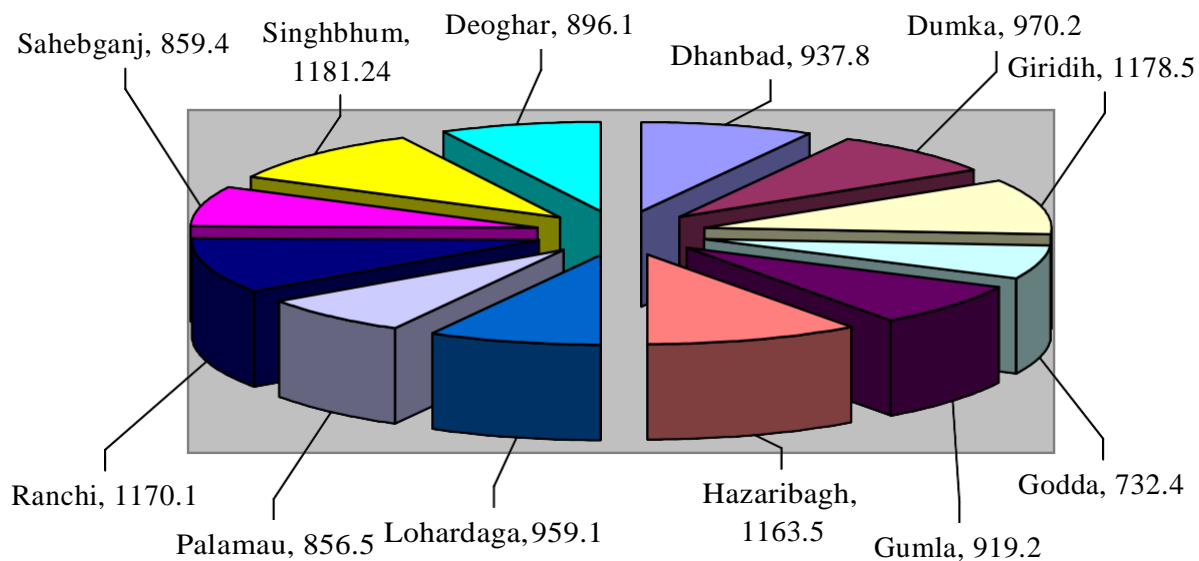
The resources rich State of Jharkhand is widely acclaimed as the region of the future, having immense potential for industrialisation with its large deposits of minerals, which could provide a firm launching pad for various industries. It is one of the richest zones of minerals in the world. As large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



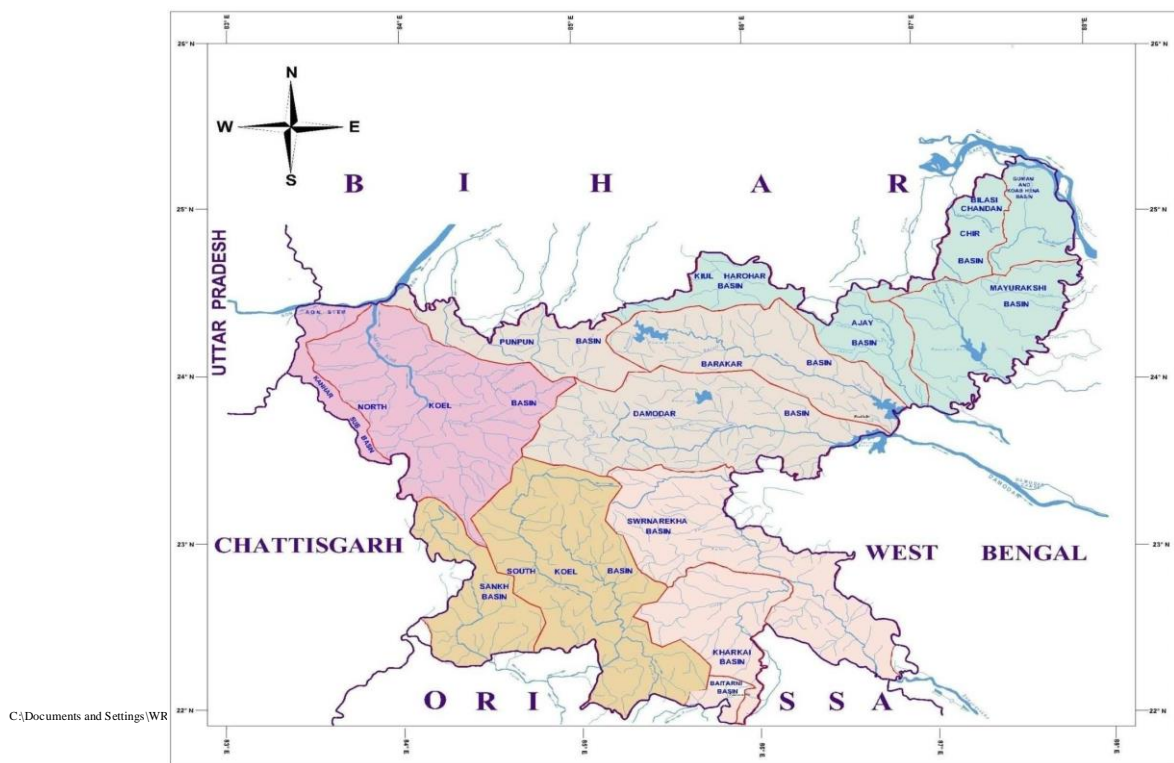
b) River & River basins

The state has following main rivers and river basins.

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

River basins :Subernarekha, Damodar, Barakar, North Koel, South Koel,Mayurakshi, Gumani & 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

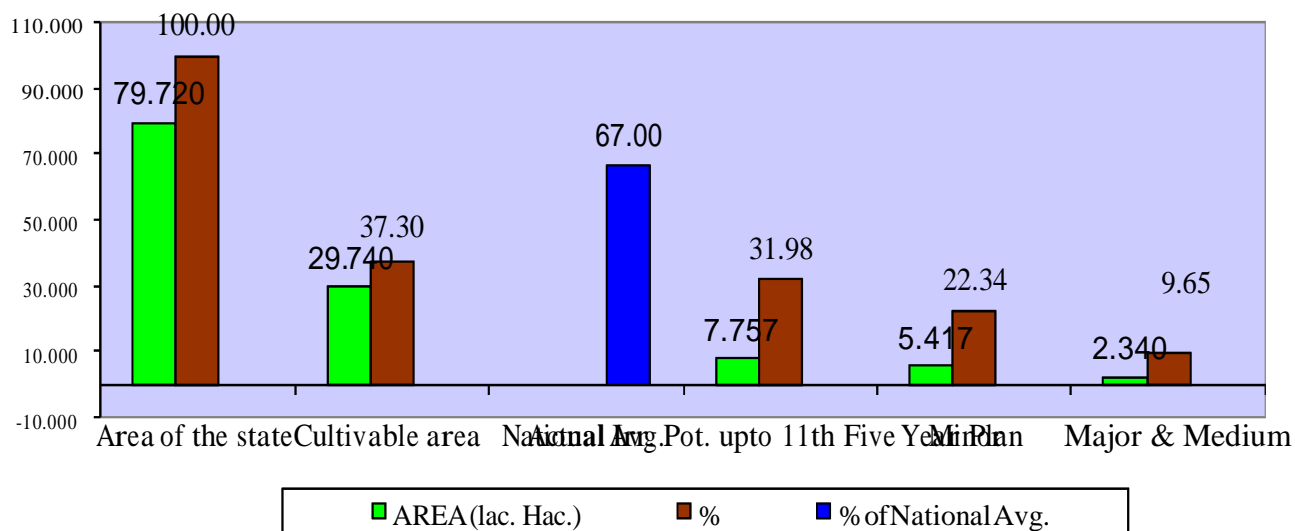
| | | |
|----------------------------------|---|----------------|
| ➤ Geographical area of the state | - | 79.72 lakh ha. |
| ➤ Culturable Area | - | 29.74 lakh ha. |
| ➤ Ultimate Irrigation Potential | - | 24.25 lakh ha. |

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

(Amount in Crores)

| Sl. | Sector | 11 th Plan Approved Outlay | Achievement during 11 th Plan (till 2010-11) | | | | | |
|----------|-----------------|---------------------------------------|---|---------|---------|---------|---------|---------|
| | | | 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

(Irrigation Potential in th. ha.)

| Sl. | Sector | 11th Plan Physical Target | Achievement during 11th Plan (till 2010-11) | | | | | Target during 2011-12 | Achievement during 2011-12 | Gaps & failure | Identified bottlenecks |
|----------|-----------------------------|---------------------------|---|---------|---------|---------|-------|-----------------------|----------------------------|----------------|---|
| | | | 2007-08 | 2008-09 | 2009-10 | 2010-11 | Total | | | | |
| 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 | |

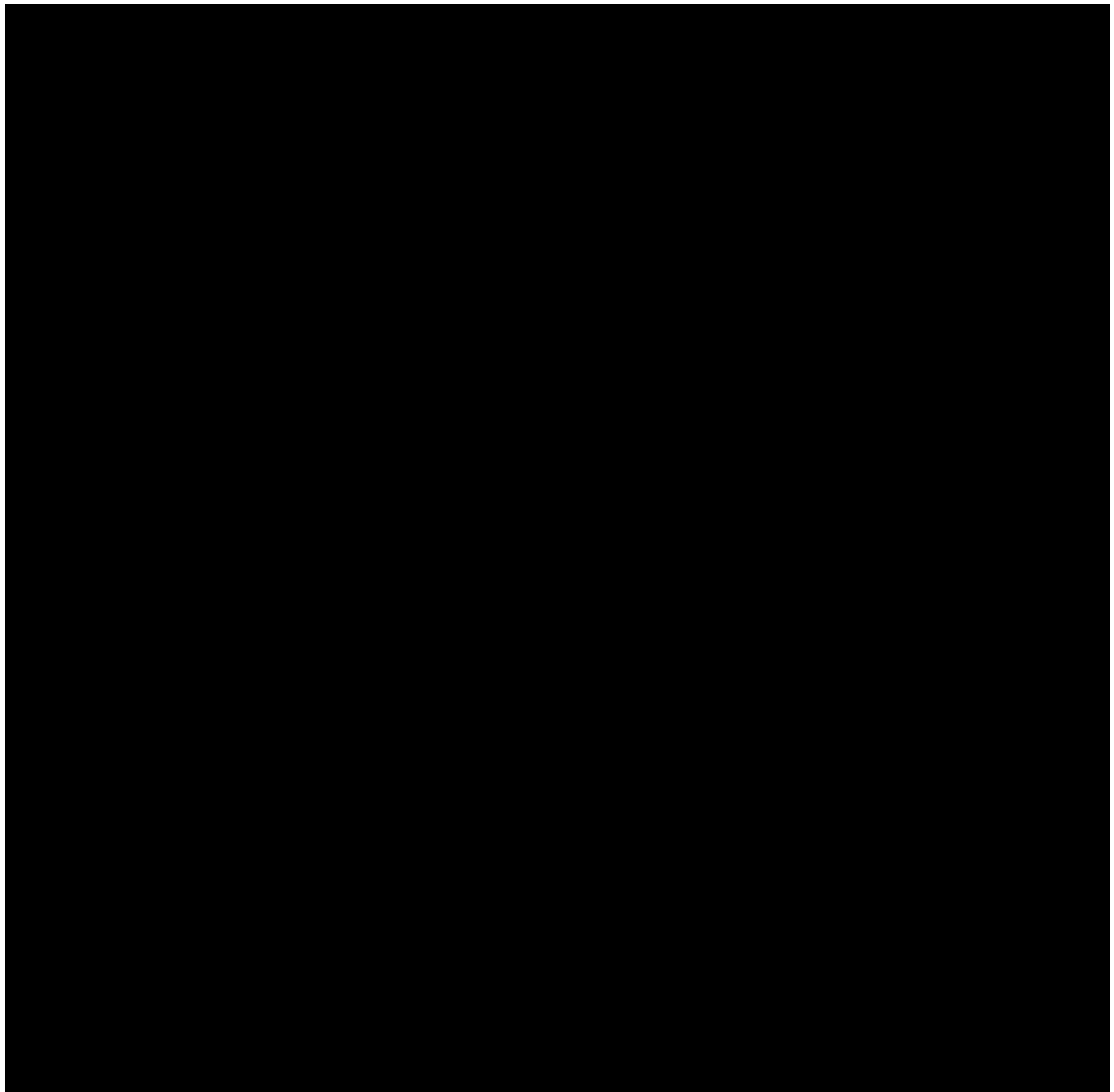
c) Identified bottlenecks and Strategy for its mitigation

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 & Bateshwarsthan 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 :-

| (Rs. in cr.) | | | | | | | | | | | | | |
|--------------|--------------------------------------|---------|---------|---------|---------|---------|--------|---------|--------|---------|--------|--------|---------|
| Sl. | Name of Schemes | 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) | Bateshwarsthan 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. | State | A.C.A. | State | A.C.A. | State | A.C.A. | State | A.C.A. | 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 an 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 Nawadih 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 Bateshwarsthan 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 Saraikela – 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 Raru 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. Sinchai 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 Bateshwarsthan 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 | 10669.00 | 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 Kanhra 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 where as 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 | 23000.00 | 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 additional 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 Jharkand. | 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 |
| | Constiution 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 BDP | | 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 |

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 |
| | Constiution 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

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 Tentative Projected Outlay (at 2011-12 prices) | Annual Plan 2012-13 |
|----------------|--|--------------------------------------|---|---------------------|---------------------|-------------------------|---|---------------------|
| | | Projected Outlay (at 2006-07 Prices) | Anticipated Expenditure (as current prices) | Actual Expenditure | Approved Outlay | Anticipated Expenditure | | 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 | | Proposed Outlay |
| 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)

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 Tentative | Annual Plan 2012-13 |
|----------------|--|--------------------------------------|---|---------------------|---------------------|-------------------------|--------------------------------------|---------------------|
| | | Projected Outlay (at 2006-07 Prices) | Anticipated Expenditure (at current Prices) | Actual Expenditure | Approved Outlay | Anticipated Expenditure | Projected outlay (at 2011-12 prices) | Proposed Outlay |
| 0 | 1 | 2 | | 3 | 4 | 5 | | 6 |
| | | | | | | | | |
| Not Applicable | | | | | | | | |

GN STATEMENT-C (Part-II)

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

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 Tentative | Annual Plan 2012-13 |
|----------------|---|---|--|------------------------|------------------------|----------------------------|--|------------------------|
| | | Projected Outlay (at 2006-07 Prices) | Anticipated Expenditure (at current prices) | Actual Expenditure | Agreed Outlay | Anticipated Expenditure | Projected outlay (at 2011-12 prices) | 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)

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 Tentative Projected outlay (at 2011-12 prices) | Annual Plan 2011-12 |
|----------------|--|--------------------------------------|---|---------------------|---------------------|-------------------------|---|---------------------|
| | | 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 | 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) |
|---------|---|---|--|---|--|-----------------------|--------------------|--|-----------------------|
| | | State Government Public Sector Enterprises/Local Bodies | | | | 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 | Subernrekha 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 |
| | Constiution 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 | 12000.000 | 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) Proposed Outlay |
|---------|---|---|--|---|--|-----------------------|--------------------|--|---------------------------------------|
| | | State Government Public Sector Enterprises/Local Bodies | | | | 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 | 0.000 | 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 BDP | | | 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 Bateshwarsthan 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. Sugathan 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 | | 120.000 | 26.125 | 59.362 | 27.755 | 53.880 | 247.000 | 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 . | | | 14.386 | 0.690 | 0.048 | 14.434 | | 0.400 | |
| | v. Const. & Rehbilt. 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/disbursement of external aid: (a) Original (b) Revised | Terminal date of completion of work | Estimated Cost (a) Original (b) Revised (Latest) | Pattern of Funding (a) State's share Central Assistane (b) Other Sources (to bespecified) d) Total | Eleventh Plan (2007-12) Projected Outlay From (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 | a) State's share b) Central Assistane c)Other Sources (to be specified) d) Total | a) State's share a) b) Central Assistane c) Other Sources (to be specified) d) Total | a) State's share b) Central Assistane c) Other Sources (to be specified) d) Total | a) State's share b) Central Assistane c) Other Sources (to be specified) d) Total | a) State's share b) Central Assistane c)Other Sources (to be specified) d) Total | a) State's share b) Central Assistane c)Other Sources (to be specified) d) Total |
| | | | | | | | | | | | 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 | 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

| (Rs. In Lakh) | | | | | | | | | | | | | |
|---------------|--|---|----------------------|------------------------------|-----------------------|----------------------|--------------------|----------------------|-----------------------|--|--------------|-----------------------|--------------|
| 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) | |
| | | | | | Revised Outlay | | Actual Expenditure | | | | | Proposed Outlay | |
| | | Total Outlay | of which flow to TSP | Actual Expenditure under TSP | Total Outlay | of which flow to TSP | Total Outlay | of which flow to TSP | Actual | Expenditure Under TSP (at current prices) | Total Outlay | of which flow to TSP | Total Outlay |
| 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. | | | | | | | | | | | | |
| | Construction of Sinchai Bhawan & WALMI | | | 0.000 | 0.00 | 0.000 | 0.00 | 0.000 | 0.000 | 2500.000 | 2500.000 | 300.000 | 300.000 |
| | Survey, Investigation & Consultancy Services | | | 40.860 | 252.00 | 230.000 | 142.74 | 97.100 | 263.580 | 3000.000 | 1500.000 | 350.000 | 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) | |
|---------|--|---|----------------------|------------------------------|-----------------------|----------------------|--------------------|----------------------|---|--|----------------------|-----------------------|----------------------|
| | | | | | Revised Outlay | | Actual Expenditure | | Actual | | | Proposed Outlay | |
| | | Total Outlay | of which flow to TSP | Actual Expenditure under 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 Shaare to CSS/CS | | | | | | | | | | | | |
| | Pilot Project for R.R.R. of Water Bodies directly linked to Agricultre | | | | | | | | | | | | |
| 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 BDPD | | | | | | | | | | | | |
| | 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 DEVOLPMENT 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 | 1500.000 |
| | 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

| 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 | | | |
| | | | | Target | Actual Achievement | Target | Actual Achievement | | Target | Target |
| 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 Shankh 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 |

| (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 |
| 2 | Minor Irrigation Projects | | | | | | | | | |
| | i. Ch. Dam & Series Check Dam Project | | 42.00 | 5.56 | 3.25 | 41.50 | 22.50 | 34.36 | 120.00 | 15.51 |
| | ii. Construction of Medium Irr. Project . | | | | | | | | | |
| | iii. Construction of Ponds/ Ahar | | | | | | | | | |
| | iv. Construction of Microlift Project . | | | | | | | | | |
| | v. Const. & Rehbilt. 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

| (Rs. In Lakh) | | | | | | | | | | | | | |
|---------------|--|---|-----------------------|---|-----------------------|--------------|-----------------------|--------------|---|---|-----------------------|-----------------------|-----------|
| Sl. No. | Major Head/Sub-head/Schemes | 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) | |
| | | | | | 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 | 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 |
| 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 | 461.00 |
| b | Subernrekha Project | | | 3920.270 | 21189.06 | 3000.000 | 17471.81 | 2756.00 | 15947.80 | 375841.00 | 155841.00 | 135390.00 | 51590.000 |
| B | On-going Medium Irrigation Projects | | | 2946.547 | 6155.94 | 2217.940 | 4593.96 | 1791.93 | 16750.74 | 123069.00 | 44069.00 | 2796.00 | 1033.000 |
| C | New Medium Irrigation Projects | | | 0.000 | 36.00 | 0.00 | 35.80 | 0.00 | 198.00 | 327663.00 | 104583.00 | 1454.00 | 490.00 |
| 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 | 700.00 |
| E | E.R.M. of completed Irrigation Projects | | | 0.000 | 660.00 | 0.000 | 518.47 | 0.00 | 0.00 | 17500.00 | 0.00 | 1500.00 | 0.000 |
| F | Residual work & Liability payment of projects to completed during 2011-12 | | | 0.000 | 0.00 | 0.000 | | 0.00 | 0.00 | 3000.00 | 0.00 | 3000.00 | 0.000 |
| G | Dam Safety measures & Hydrology Project II | | | 0.000 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 3000.00 | 0.00 | 10.00 | 0.000 |
| H | Capacity Building, Strengthening & Upgradation. | | | | | | | | | | | | |
| | Construction of Sinchai Bhawan & WALMI | | | 0.000 | 252.00 | 0.000 | 0.00 | 0.00 | 0.00 | 2500.00 | 0.00 | 300.00 | 0.000 |
| | Survey, Investigation & Consultancy Services | | | 0.000 | 60.00 | 0.000 | 142.74 | 0.00 | 0.00 | 3000.00 | 0.00 | 350.00 | 0.000 |
| | E-Governance | | | 0.000 | 0.00 | 0.000 | 42.71 | 0.00 | 0.00 | 500.00 | 0.00 | 100.00 | 0 |
| | Constitution of Jharkhand Irrigation Commission & Water Regulatory Authority | | | 0.000 | 0.00 | 0.000 | 0.00 | 0.00 | 0.00 | 1500.00 | 0.00 | 50.00 | 0.000 |
| | Linking Irrigation to Agriculture | | | 0.000 | 80.00 | 0.000 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.000 |
| | Renovation of Vehicle/Purchase of new vehicle | | | 0.000 | 200.00 | 0.000 | 71.75 | 0.00 | 0.00 | 1000.00 | 0.00 | 100.00 | 0.000 |
| | Renovation of old buildings & con. new buildings | | | 39.122 | 4.00 | 100.000 | 165.03 | 62.70 | 101.82 | 3000.00 | 2000.00 | 400.00 | 300.000 |
| | Training | | | 0.000 | 0.00 | 0.000 | 2.01 | 0.000 | 0.00 | 500.00 | 0.00 | 20.00 | 0.000 |
| | Sub-Total (H) | | | 39.122 | 596.000 | 100.000 | 424.240 | 62.700 | 101.820 | 12000.000 | 2000.000 | 1320.000 | 300.000 |
| | Total (I) | 236932.000 | | 7815.199 | 38137.00 | 6286.94 | 26109.53 | 5271.00 | 37852.59 | 922244.00 | 320383.00 | 160371.00 | 54574.00 |

(Rs. In Lakh)

| (Rs. In Lakh) | | | | | | | | | | | | | |
|---------------|---|---|-----------------------|---|-----------------------|--------------|-----------------------|--------------|---|---|------------|-----------------------|-----------|
| Sl. No. | Major Head/Sub-head/Schemes | 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) | |
| | | | | | 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 | Total Outlay | | of which flow to SCSP | | | |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | | | | 9 | 10 |
| 2 | MINOR IRRIGATION PROJECT | | | | | | | | | | | | |
| A | Earmarked Schemes under A.I.B.P. | | | | | | | | | | | | |
| B | State Shaare to CSS/CS | | | | | | | | | | | | |
| | Pilot Project for R.R.R. of Water Bodies directly linked to Agricultrre | | | | | | | | | | | | |
| 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 BDPD | 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) | 3500.000 | | 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 (Tenative) | Annual Plan 2012-13 (proposed) |
|---------|---------------------------------------|------|-----------------------------------|---------------------|--------------------|---------------------|-------------------------|---|--------------------------------|--------------------------------|
| | | | Target | Target | Actual Achievement | Target | Anticipated Achievement | | | |
| 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 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. Subemrekha Multipurpose Project | | 6.312 | | | 6.312 | 6.312 | 6.312 | 42.928 | 8.394 |
| | iv. Amanant Barrage Project | | | | | | | | 7.287 | |
| | v. Konar Irigation Project | | | | | | | | 18.837 | |
| | vi. Punasi Reservoir Scheme | | | | | | | | 4.857 | |
| | vii. Rarhu Reservoir Scheme | | | | | | | | 2.264 | |
| | viii. Burhai 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 Shankh Res. Project | | 2.121 | 2.121 | | 2.121 | 2.121 | 2.121 | | |
| | ii. Surangi Res. Project | | 0.780 | 0.780 | | 0.780 | 0.780 | 0.780 | | |
| | iii. Sonua Res. Project | | 2.424 | 2.424 | | 2.424 | 2.424 | 2.424 | | |
| | iv. Panchkhero Res. Project | | 0.926 | 0.926 | | 0.926 | 0.926 | 0.926 | | |
| | v. Bhairawa Res. Project | | 1.440 | 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 | 0.675 | | |
| | viii. Ramrekha Res. Project | | 1.317 | 1.137 | | 1.317 | 1.317 | 1.317 | | |
| | ix. Keso Res. Project | | 1.068 | 1.068 | | 1.068 | 1.068 | 1.068 | | |
| | x. Batane Res. Project | | 0.498 | 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. Dhansinghtoli 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. Bateshwarsthan 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 |

| (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) Anticipated Achievement | 12th Five Year Plan (Tenative) | Annual Plan 2012-13 (proposed) |
| | | | | Target | Actual Achievement | Target | Anticipated Achievement | | | |
| 0 | 1 | 2 | 3 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 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 . | | | 2.20 | 0.46 | 0.75 | 0.75 | 3.27 | 8.00 | 0.35 |
| | v. Const. & Rehbilt. 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 | 110.59 | 9.37 |

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

Annexure -VII

(Rs. In lakh)

| 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 |
|------------|---------|--------------------------------------|------------------------|------------------------|----------------------------|---|---|------------------------|
| | | | | | | | | |
| | | Proposed Outlay (at 2006-07) | Actual Expenditure | Approved Outlay | Anticipated Expenditure | | | Proposed Outlay |
| 0 | 1 | 2 | 3 | 4 | 5 | | | 6 |
| N.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) Actual Expenditure Under WC | 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 | Total Outlay | of which | Total Outlay | | of which | Total Outlay | of which flow to | | |
| 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 Achievement | 12th Five Year Plan (tentative) | Annual Plan 2012-13 |
|---------|-----------------------------|------|-----------------------------------|---------------------|--------------------|---------------------|-------------------------|---|---------------------------------|---------------------|
| | | | | | | | | | Target | |
| | | | | Target | Actual Achievement | Target | Anticipated 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

(Rs. in Lakh)

| 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 |
| I. | 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 | Bateshwarsthan 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 | 79959.00 | 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 |