

## **Proposed Annual Plan 2012-13 and Revised Estimates 2011-12**

### **Introduction:**

Soil and water are the basic constituents of primary productivity and are extremely vital natural resource intrinsically linked with the survival and sustenance of life. Soil forms the land which intern acts as stratum for vegetal growth and medium to receive snow and rain fall, the only source of water.

As per estimates more than 70% of the land in the State is prone to various kinds of erosion which in turn adversely affects the developmental pace and the productivity of the State. The major adverse effects of these problems are land slides, depletion of ground water reduction in agricultural productivity by way of loss of soil fertility, deposition of sediments in the water bodies, damaging of water courses because of Nallah bank erosion, shifting of sand dunes especially in Nobra valley in Ladakh region etc. etc.

The Department undertakes soil and water conservation measures in badly affected micro watersheds on scientifically approved methodology. During the ANNUAL PLAN 2011-12, the Soil Conservation Department, maintaining its focus on the micro watersheds taken in hand, proposes to consolidate the works and take up new works wherever required aiming at effective treatment of the whole micro watersheds. Further need based new works are also to be taken up on public demand.

The position of funds, anticipated expenditure 2011-12 and requirement of funds for 2012-13 is indicated in the box given as below:

<b>Approved Outlay</b>			<b>Expenditure ending 10/2011</b>			<b>Anticipated Expenditure</b>			<b>Proposed Outlay 2012-13</b>		
<b>Rev.</b>	<b>Cap</b>	<b>Total</b>	<b>Rev.</b>	<b>Cap</b>	<b>Total</b>	<b>Rev.</b>	<b>Cap</b>	<b>Total</b>	<b>Rev.</b>	<b>Cap</b>	<b>Total</b>
<b>12.50</b>	<b>500.00</b>	<b>512.50</b>	<b>4.96</b>	<b>151.40</b>	<b>156.36</b>	<b>12.50</b>	<b>636.31</b>	<b>648.81</b>	<b>14.75</b>	<b>556.00</b>	<b>564.75</b>

Scheme wise detail of the funds utilised during 2011-12 upto ending 10/2011 and revised outlay kept for 2011-12 under proposed Annual Plan for 2012-13 is given in GN-0 and GN-2 and Physical Target is given on GN-3.

## **Brief Description of the schemes are:-**

### **1. Survey & Project Formulation:**

The State of Jammu & Kashmir, being a hilly state, has serious problems of soil erosion and large tracts have been rendered unproductive. To assess the magnitude of soil erosion the Department has developed methodology, based on study of various parameters like geo-morphology, slope, land use, erosion intensity, vegetative cover etc. For successful implementation of any programme, formulation of comprehensive project reports, based on scientific inputs and field survey is crucial. The Department takes up survey to identify such critical areas.

Under this scheme an area of 13000 Ha was kept for formulation of new schemes for which an amount of Rs. 3.50 lacs approved for current financial year, but this amount is very less as the Department Of Soil Conservation has identified 42 Nos of critical areas where in Ground Water Recharge project have been formulated as per the directions of Hon'ble Forest Minister J&K, for which an additional amount of Rs.8.00 lacs has been kept in revised estimated 2011-12 covering an area of Rs. 26000 Ha.

### **2. Soil and Water Conservation:**

The scheme is being implemented w.e.f. 2007-08 on pattern of integrated watershed development. The main objective of the scheme is to conserve soil and water, the basic constituents of Nature's primary productivity system, on multidisciplinary integrated approach to enhance the productivity of the land for sustainable socio-economic development in close cooperation with Govt. departments, NGO's. voluntary agencies and local people. It is also intended to increase water conservation and augment ground water recharge by raising water harvesting structures. 1450 hectares are to be treated during 2011-12 by spending a provision of Rs. 90.00 lacs.

Under the scheme a provision of Rs. 40.00 lacs has been kept for formulation of high tech nursery throughout the state. Further there are some more proposals pending with the department recommended by the Hon'ble Forest Minister.

#### **a. Soil & Moisture Conservation (Project in Chunt waliwar)**

The Govt has approved a new work/scheme costing 167.00 lacs in Ganderbal District at Chunt-Waliwar to protect large chunk of forest &

community land so also to benefit local people including large ST population. Rs. 96.00 lacs were allotted during 2009-10 and 2010-11. This year, Rs. 50.00 lacs has been earmarked for the project. In addition balance of Rs.21.00 lacs has been kept under revised estimates of 2011-12 to complete the scheme.

#### **4. Drainage line Treatment:**

The basic principle of soil conservation is to start works both vegetative and engineering from top to bottom. This approach not only conserves soil but also improve the moisture regime of entire catchment. The Soil Conservation Department takes works under this component to treat the catchment areas from top so that the lower area under agriculture and vegetation are fully protected. To treat an area of 132 hectares, a provision of Rs. 33.00 lacs has been kept for the year 2011-12.

#### **5. Control of Erosion along National Highway:**

The Department has submitted the project for treatment of National Highway to the State Govt. for funding from G.O.I. The approval is still awaited. Keeping in view the importance of National highway as the life line of state's economy, the Soil Conservation Department is treating minor slips which may pose a threat to the vehicular traffic.

For treatment of some problematic slips falling on NH1A an amount of Rs. 10.00 lacs has been proposed to treat an area of 30 hectares during the year 2011-12.

#### **6. Nallah Bank Erosion Control:**

This scheme is being implemented w.e.f 2007-08 in the best interest of the common people. Control of Nallah Bank Erosion is very important for protecting the land along the bank. The Department undertake Nallah bank erosion control to save the forest and agricultural lands. A provision of Rs. 34.00 lacs has been kept for the year 2011-12 to treat an area of 108 hectares.

#### **7. Ladakh Soil Conservation Programme:**

Ladakh being a cold desert region, soil conservation measures have a very good potential to increase production and very good results have been seen. Due to financial constraint, only Rs. 6.00 lacs have been kept for this scheme to treat

an area of 20 hectares during the current financial year 2011-12. There is huge scope to take up long works in this component.

#### **8. Sisal Propagation Programme:**

Sisal, being a good soil binder, is raised for the treatment of slips in highly degraded and eroded slopes in tropical & Sub tropical zones. The secondary utilization of sisal is the extraction of fibre used in cottage industry. An amount of Rs. 10.00 lacs only are being earmarked during the year 2011-12. Further, an amount of Rs. 5.00 lacs have been kept under revised estimates for installation/repair of sisal machines.

#### **9. Machinery & Equipment:**

An amount of Rs. 2.50 lacs has been earmarked under this head for the year 2011-12 for purchase of Generator set and computer/GPS and other allied equipments for the Deptt. Besides, the department is in urgent need to purchase the Xerox machine and a computer for Senior Scientist Division to computerise the field data.

#### **10. Buildings:**

The Soil Conservation Department has started functioning from all the districts including newly created 8 districts. But no official/residential buildings exist at many district head quarters. Besides, the head quarters of the Direction Office at Jammu as well as at Srinagar, also needs additional rooms and allied facilities. Some of the buildings need protection by erecting compound walls, chowkidar huts etc. For this important infrastructure component, Department has earmarked only Rs. 30.00 lacs during current fiscal as there is overall shortage of plan funds.

The Department of Soil Conservation has started construction work of Office buildings at Narwal Jammu and Budgam. For completion of the Office buildings for Distt. Officer, Zonal Officer and Carto Lab. at Narwal Jammu within an estimated cost of Rs. 57.83 lacs against, an amount of Rs. 18.59 lacs has been spent during 2010-11 an amount of Rs. 39.23 lacs for the purpose has been kept under revised estimates. With regards to Budgam building at revised cost of Rs. 23.90 lacs an amount Rs. 13.90 lacs has been spent during 2010-11 and an amount of Rs. 8.00 lacs has been kept under revised estimates.

In addition to above, there is dire need for construction of approach road for Distt. Office complex, Doda for which an amount of Rs. 1.07 lacs are proposed in revised estimates. Similar is the position in respect of office complex at Srinagar, the office building is very small, old and in water logged area for construction of walling and repair of said building an at an estimated cost of Rs. 41.00 lacs, an amount Rs. 25.00 lacs has been kept under revised estimates 2011-12.

**11. Augmentation/consolidation of Soil Conservation Works:**

At times soil conservation works carried out in past get damaged due to natural calamities like, rains, floods, landslides, avalanches etc. A small Scheme for setting right these damages is being implemented w.e.f.2008-09 so that the areas do not get damaged further and expenditure already incurred is not wasted. Besides, selected units are also taken up for augmentation in phased manner. Required plants are also raised to reforest the affected areas. As such a provision of Rs. 15.00 lacs has been kept for the year 2011-12.

**12. Research and Demonstration:**

Applied research on location specific problems is very important to update/correct the methodology in the field. The Dept. takes up large quantity of minor-engineering works to conserve soil and reclaim the valuable land. To study and quantify its impact, the Department has initiate studies on “Effect of soil conservation measures particularly minor engineering works at different altitude, slope and climate zones”. Further, the Department intends to initiate study on effectiveness of soil conservation works on conservation of moisture and augmentation of ground water recharge so that more effective and low cost techniques could be developed as water has become critical to all developments. Simultaneously, the Department takes up demonstration work to carry the useful and cost-effective models to the public for replication. For this important nature of jobs, an amount of Rs. 5.00 lacs has been earmarked for current fiscal.

Director,  
Soil Conservation Department,  
J&K Govt. Srinagar



**Government of Jammu & Kashmir  
Department of Soil Conservation.**

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**The Commissioner/Secretary to Govt.  
Forest Department,  
J&K, Jammu**

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Sir,

As desired vide above noted subject and reference, kindly find enclosed fifteen copies of Proposed Annual Plan 2012-13 and Revised Estimates 2011-12 for favour of information and necessary action at your end please.

Yours faithfully,

**(M. J. Sharma) IFS**  
Director,  
Soil Conservation Department  
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