

## **Revised Guidelines for Implementation of Artificial Recharge Projects under the Central Sector Scheme "Ground Water Management and Regulation"**

### **1. Introduction:**

Central Ground Water Board (CGWB) in association with State Ground Water Departments has assessed that 1065 talukas/blocks/mandals fall under over exploited and critical categories. Ground water levels have been on the decline in urban/semi-urban areas and rural areas and the issues of ground water quality are natural corollary. There is an urgent need to take up artificial recharge to ground water in these areas for augmentation and sustainable management of ground water resources.

Keeping the above in view, the artificial recharge programme had been taken up which is proposed to be continued during XI Plan [2007-12] by CGWB under Central Sector Scheme "Ground Water Management and Regulation", at an estimated cost of Rs.100 crore.

It is proposed to construct structures for rain water harvesting and artificial recharge through State Government departments / organizations / agencies, Educational Institutions, Water Users Associations (WUAs), Watershed Committees and Panchayats with the technical support of regional offices of the CGWB. The type, number and cost of structure may vary according to hydro-geological conditions and capacity of the structure.

### **2. Objectives:**

- (i) Development/updating of area specific methodologies for rain water harvesting and artificial recharge to ground water also operationalize recharge schemes based on proven technologies and demonstrate the efficiency and effectiveness of these technologies.
- (ii) Encouraging various stakeholders to take up rain water harvesting and artificial recharge measures on large scale.
- (iii) Capacity building of various stakeholders involved in the planning and implementation of the rain water harvesting and artificial recharge programme.
- (iv) Facilitation of preparation of DPRs for rain water harvesting and artificial recharge projects.
- (v) Impact assessment of rain water harvesting and artificial recharge projects.

### **3. Implementation of the Scheme**

#### **3.1 Coverage:**

The scheme covers the entire country with priority attention to the following areas: -

- (i) Over-exploited / Critical Blocks/Mandals/Talukas;
- (ii) Urban and semi-urban areas showing decline in ground water levels; and
- (iii) Areas affected by problems of water quality.

#### **3.2 Implementing Agencies**

- (i) Projects being implemented in convergence with existing programmes like NREGS, Watershed Development and Management and other schemes will be implemented by State Government departments in the same manner and by the same agency as already firmed up under these programmes.
- (ii) Other projects will be implemented through agencies identified by the State Technical Advisory Committee [TAC] in case of State Government departments and the autonomous bodies/educational institutions in accordance with established procedure.

### **4. Procedure for submission of proposals**

- (i) The proposals costing up to Rs 15.0 Cr will be processed and approved at the level of State Technical Advisory Committee (TAC) , wherein, the Regional Director, CGWB will be a member. The funds will be released by the Ministry of Water Resources on submission of DPR approved by TAC through concerned Regional Director of CGWB.
- (ii) The proposals costing more than Rs 15.00 Cr duly recommended by TAC will be processed at the Headquarter office of Central Ground Water Board, Faridabad for onward submission to the Ministry of Water Resources for release of funds.

## 5. Funding Pattern

- (i) Implementing agency will arrange land for the projects free of cost.
- (ii) An amount up to 5% of estimated project cost will be released to the implementing agencies as an advance for preparation of DPRs, capacity building and other related preparatory works.
- (iii) An amount up to 5% of the project cost will be available to the implementing agencies for administrative expenses and impact assessment.
- (iv) The projects based on convergence with other programmes such as NREGS, watershed development programme will draw financial resources from such programmes and the investment gap therein will be met from the scheme for demonstrative artificial recharge scheme. In other cases, the funding under the scheme will be to the extent of 100%.
- (v) The funds will be released in two installments. The first installment of 70% of the project cost will be released on the approval of the DPR. The next installment will be released after utilization of 75% of funds released as 1<sup>st</sup> installment.

## 6. Monitoring:

Project level monitoring will be done by the concerned implementing agencies. The Regional Offices of CGWB and CWC will monitor the programme and will submit regular returns to the Ministry of Water Resources in enclosed proforma.

## 7. Impact Assessment:

Impact assessment of the programme will be carried out with the help of independent agencies approved by the Ministry of Water Resources.

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