

**File No. T-13014/4/2014-GW**

**Government of India**

**Ministry of Water Resources, River Development & Ganga Rejuvenation  
(Ground Water Desk)**

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**Shram Shakti Bhawan, Rafi Marg  
New Delhi- 110 001**

**Dated: 6<sup>th</sup> January, 2015**

**RESOLUTION**

**Sub: Constitution of Ground water estimation Committee to review and revise the Ground Water Estimation Methodology 1997 (GEC-97).**

The ground water resources assessment of the country is being carried out jointly by Central Ground Water Board and State Ground Water Departments based on methodology recommended by "Ground Water Estimation Committee 1997" (GEC 1997) at regular interval with the objective to identify and prioritize the areas for ground water management interventions. The ground water assessments in 2004, 2009 and 2011 were done as per GEC-97.

2) The Central Ground Water Board, State Ground Water Organisation, Universities and other organisations have carried out number of studies on assessment of ground water resources since the GEC-97 was adopted. Results of the studies were presented and deliberated in various consultative meetings and workshops. A need was felt to review and revise the GEC-1997 methodology to incorporate new advancements/practices/tools like ground water modelling and also refining the various parameters being used in assessment.

**3) Composition of the Committee:**

In the view of above, Ministry of Water Resources, River Development & Ganga Rejuvenation, Government of India hereby constitutes a committee to review and revise the Ground water Estimation Methodology (GEC-97) and look into related issues. The Committee will consist of following Members:

1.	Chairman, Central Ground Water Board	Chairman
2.	Joint Secretary (WSM), Ministry of Rural Development, Government of India, New Delhi.	Member
3.	General Manager, National Bank for Agriculture, & Rural Development (NABARD), Sterling Centre, Shiv Sagar Estate, Dr. Annie Besant Road, Post Box No. 6552, Mumbai - 400 018	Member
4.	Dy. Director General, Geological Survey of India, CGPB Secretariat, Geological Survey of India, Pushpa Bhawan, A-Block, 2nd Floor, Madangir Road, New Delhi - 110062.	Member
5.	Director, State Water Investigation Directorate, Government of West Bengal, Sectt. Bhawan (3 <sup>rd</sup> Floor), Salt Lake, Kolkata - 700 091.	Member
6.	Chief Engineer (PWD), State Ground and Surface Water Resources Data Centre, Water, Government of Tamil Nadu, IWS Campus, Tharamani, Chennai - 600 113.	Member
7.	Superintending Geohydrologist, Government of Madhya Pradesh, Ground Water Survey Circle, Bhopal (MP).	Member

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8.	Managing Director, Gujarat Water Resources Development Corporation Ltd., Government of Gujarat, Sector-10 A, Near Bij Bhawan, Gandhinagar - 382043.	Member
9.	Director, State Ground Water Department, Government of Andhra Pradesh, B.R.K.R. complex, 7 <sup>th</sup> and 8 <sup>th</sup> Floor, B-Block, Tank Bund Road, Hyderabad - 500063.	Member
10.	Director, Groundwater Survey and Development Agency, Government of Maharashtra, Bhujal Bhawan, Shivaji Nagar, Pune - 411 005.	Member
11.	Director, Water Resources & Environment Directorate, Government of Punjab, SCO- 32-34, Sector-17C Chandigarh.- 160017	Member
12.	Director, UP Ground Water Department, Government of Uttar Pradesh, 9 <sup>th</sup> Floor, Indira Bhavan, Ashok Marg, Lucknow - 226 001.	Member
13.	Member(TT&WQ), CGWB, NH-IV, Faridabad	<i>Member Secretary</i>

**3.1) Special Invitees:-**

1.	Commissioner (SP), Government of India, MOWR,RD&GR, Shram Shakti Bhawan, New Delhi - 110 001.
2.	Head, Ground Water Hydrology Division, National Institute of Hydrology, Jalvigyan Bhawan, Roorkee - 247667
3.	Professor Dr. N. J. Raju, School of Environmental Sciences, Jawaharlal University, New Delhi
4.	Professor Dr. A.K. Gosai, Department of Civil Engineering, IIT Delhi
5.	Dr. S. K. Srivastav, IIRS, Dept. of Space, Govt. of India, Kalidas Road, Dehradun - 248 001
6.	Dr. Himanshu Kulkarni, Advanced Centre for Water resources development and Management, Pune, Maharashtra
7.	Member(SAM), Central Ground Water Board, NH-IV, Faridabad
8.	Member (SML) and Member Secretary, CGWA, R.K. Puram, New Delhi

**3.2)** Sh. Rana Chatterjee, Scientist-D, CGWB, will assist the Committee.

**3.3)** The committee may co-opt any other Member(s), if necessary.

**4) Terms of reference**

The terms of reference of the Committee are as follows:

1. Firming up / updating various parameters and their values currently used in the assessment of ground water resources based on the scientific work carried out by various organizations.
2. To look into the details of the methodology recommended by Ground Water Estimation Committee (1997) and to suggest aspects which call for a revision. The Committee may, if considered necessary, update the existing or recommend a new methodology for the assessment of ground water resources in different hydrogeological situations and climatic zones.
3. To recommend the smallest assessment unit for assessment of ground water resources based on hydrogeological/hydrological and/or administrative division.
4. To recommend a methodology for assessment of ground water resource in urban areas/specific areas.
5. Suggest alternative approaches for real time assessment of ground water resources.

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6. Committee should suggest modality and methodology for incorporating quality consideration in assessment of ground water resources.
7. Review and recommend methodology for assessment of Total Ground Water Availability.
8. Any other aspects relevant to the terms referred to above.

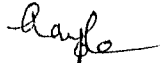
**5) Time frame:**

The Committee may submit its report within 6 month from the date of issue of resolution.

**6) Expenditure**

Expenditure on account of TA/DA to official Members of the Committee will be met from the source from which they draw their salaries and that of non-official Members (if any), will be borne by the Central Ground Water Board, subject to the directions indicated in MoF OM No. 19030/3/2008-E.IV dated 23.09.2008 and directions issued by MoF from time to time in relation to austerity, travel restrictions etc.

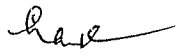
This issues with the approval of the Hon'ble Minister (WR,RD&GR).

  
(R.K. Gupta)  
Director (GW)

**ORDER**

Ordered that the above RESOLUTION be published in the Gazette of India for general information.

Ordered also that a copy of the Resolution published be communicated to this Ministry.

  
(R.K. Gupta)  
Director (GW)

To

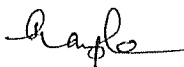
**The Manager,  
Government of India Press,  
Faridabad (Haryana).**

**Copy to:**

1. PS to Minister(WR,RD&GR)
2. PS to MoS (WR,RD&GR)
3. Sr. PPS to Secretary (WR,RD&GR).
4. PS to Additional Secretary (WR,RD&GR).
5. All Wing Heads, Ministry of Water Resources, New Delhi
6. All Organization Heads of Ministry of Water Resources, New Delhi
7. Chairman, Central Ground Water Board, Faridabad.
8. All concerned Committee members.

**Copy also to:**

✓ NIC for uploading on the Ministry's website.

  
(R.K. Gupta)  
Director (GW)

