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**Sent:** Tuesday, March 28, 2023 4:16:28 PM  
**Subject:** [Cag-ae] Accounting of Water Resources in States-action plan No. 2 of mid-term goals

**Respected Senior Officers,**

Greetings from GASAB!

2. As we have completed the short term goals on **preparation of Asset Accounts on Mineral & Energy Resources** and initiated the **disclosure on receipts from exploitation of natural resources & expenditure on management and mitigation of environmental degradation**, now it has been decided to commence with the action plans under mid-term goals, i.e. preparation of Water Accounts in States.

3. The suggestive timeline for work is as under:

<b>Item of work</b>	<b>When to commence</b>	<b>Timeline</b>
Data/information collection from the States	Immediate – <i>proposed in this note</i>	4 months – till June 2023
Firming up the tentative templates on asset accounts on water resources	July 2023	2 months - till August 2023
Pilot studies in 3/4 States	September 2023	3 months till December 2023
Bring out a booklet on accounting of water resources including templates based on the results of pilot studies	January 2024	
Rolling out the preparation of asset accounts on water resources in all States for and from the year 2021-22	January 2024	Six months – ending June 2024
Preparation of a Compendium on Water Accounts in States for 2021-22	August 2024	

4. In order to commence with the work, the State NRA Cells may kindly be expanded with representatives of the State Water Resources, PHE, Irrigation and Waterways etc Departments, ULBs (as the cases may in different States) and the first preliminary meeting held at the earliest to inform the States/UTs about the plan and seeking their support and further inputs/suggestions under intimation to GASAB.

5. The following information (item of work No. 1 of table above) may kindly be gathered from the States/UT **for the year 2021-22** preferably by June 2023:

- *Whether the State Government/UT authorities possess detailed database of **water users** segregating into domestic (urban/rural), industries, irrigation, power generation etc. If so, please provide the details.*
- *Whether the State Government/UT authorities possess detailed database of **water usage** segregating into domestic (urban/rural), industries, irrigation, power generation etc vis-à-vis surface as well as underground water resources. If so, please provide the details.*

- Whether the State has the detailed breakup showing domestic/industrial/irrigation users of water from **surface water** including water supply schemes and those dependent on **underground water**. If so, please provide details.
- Whether there is a system of seeking approvals from the authorities before excavation of bore wells.
- Total numbers of bore-wells allowed to be excavated and those functional within the State/UT and types of users like agriculture, industry, domestic (urban/rural) users.
- Whether the State Government/UT authorities collect data on abstraction of water through the bore wells from the above users.
- Is there a system of affixing water meters in each of the bore wells functional in the State/UT.
- Has the State Government/UT authorities fixed or plans to fix a water norm per head per day in the State/UT.
- Total number of rural household connections provided under Jal Jeevan Mission in the State during 2021-22.
- Whether all these connections were functional for water supply during 2021-22 and as status as on date vis-a-vis connections provided during 2021-22.
- Whether water rates/taxes are leviable on different sectors like agriculture, industries, domestic usage. If so, class wise details in table below.
- If the State/UT is water-surplus or water-stressed during 2021-22. Please provide detailed area-wise assessments, if any.
- Any other input/information, the State/UT authorities would like to share.

6. The tentative datasets being attempted to be generated through the process on availability and usage of water resources are given below:

### **Availability of Water resources**

<b>Particulars</b>	<b>In billion cum</b>
Total availability of water resources in rivers and canals including inflows from other territories, precipitation, returns	
Total water available in reservoirs	
Total water available in tanks and ponds	
Total water available in flood plain lakes and derelict water bodies	
Brackish water	
Total annual extractable ground water	
Total water availability in State/UT	
Total volume of water resources tapped for usage out of the total water availability	

### **Usage of water resources**

<b>Particulars</b>	<b>In billion cum</b>
Natural discharge	

<i>Natural disasters</i>	
<i>Man-made disasters</i>	
<i>Irrigation supplies</i>	
<i>Power generation</i>	
<i>Industrial usage</i>	
<i>Domestic usage</i>	
<i>Urban users</i>	
- <i>Surface water</i>	
- <i>Water supplies</i>	
- <i>Underground water</i>	
<i>Rural users</i>	
- <i>Surface water</i>	
- <i>Water supplies</i>	
- <i>Underground water</i>	
<i>Outflow to other province/sea etc</i>	
<i>Total volume of water usage during the period</i>	
<i>Gap with the availability of water resources (+/-)</i>	

### **Details of cost and revenues on supply/extraction of water**

<b>Type of user</b>	<b>Cost of supply/cost of water in INR per unit (if available)</b>	<b>Water charges/rates recovered in INR per unit</b>
Agricultural users		
Industrial users		
Domestic users		
-Urban		
-Rural		
Any other		

**Please Note: If the State/UT suggests any additional input/information/data to be captured, the same may please be ascertained and included specifically.**

These tables may kindly be discussed with the authorities and their comments/suggestions sought including inputs for modification of the tables or new information.

7. Parallel to the above exercise, we are also planning to hold seminars/workshops on accounting of water resources in various parts of the country after the ongoing seminars on NRA are completed (by May end 2023). States/UT interested in holding such seminars/workshops on water resources may kindly inform us accordingly.

8. This has the approval of the ADAI, GASAB.

***With kind regards,***

Sudipta N. Biswas,  
Sr. Admn Officer, GASAB/NRA.

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Towards a water-safe future.



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