



**Office of the Comptroller and Auditor General of India,  
10 Bahadur Shah Zafar Marg, New Delhi - 110 - 124.**

**(Government Accounting Standards Advisory Board)**

***Minutes of monthly meeting of December 2021 cum mid-term appraisal on progresses made by the States on preparation of Asset Accounts on Mineral and Non-Renewable Energy Resources in States***

**Background:** Following up the action plans envisaged in the Concept Paper on Natural Resource Accounting in India, GASAB Secretariat has brought out a book containing the templates of Asset Accounts on Mineral and Non-Renewable Energy Resources in States. The templates were circulated to the State Governments and the State Accountants General in October 2021. The target is to prepare the first draft of Asset Accounts in the States by March 2022.

In order to handhold the States in this ambitious exercise besides resolving issues and challenges and addressing the constraints, GASAB headquarters has planned monthly meetings at the end of each month till March 2022 or completion of the exercise, whichever is earlier. The first and second meetings were held between 27 – 29 October and 30 November – 2 December 2021. This is the third meeting for the month ending December 2021 cum mid-term appraisals.

**Date and time : (third meeting) :** 4 January 2022 between 10.30 AM and 5.30 PM.

**Participating State:** All 28 States and 2 UTs.

**Mode:** Virtually through MS Teams arranged by RTI, Prayagraj.

**Chair:** Addl Deputy CAG, GASAB.

**Proceedings:** At the outset, a presentation was made by Sr. AO, GASAB detailing the targets for the work, decisions taken during November 2021 meetings, additional information sought, brief about the automation process on data flow from April 2022 onwards, need for monitoring the carbon footprint and progress on renewable energy generation to monitor attainment of the national declarations made at Conference of Parties (COP) – 26 held at Glasgow, UK, and issues to ponder. Copy of presentation is enclosed.

Additional Deputy CAG, GASAB in his inaugural speech while appreciating the good works being done by the Accountants General Offices in active collaboration with the State Governments, reminded the house about the national commitment towards attaining this goal which is a part of the Sustainable Development Goals. Importance of comprehensiveness, robustness and correctness of data was emphasized repeatedly. The Chair also reiterated the need for more efforts by States wherein the work was still at the initial stages and called for a need to re-strategise the whole process to ensure that the preparation of Asset Accounts meets the targeted deadline, i.e. by March 2022.

Thereafter, the works done by the States till the end of December 2021 and targets set for remaining period with specific inputs for January 2022 as presented by the States were discussed. A number of representatives from the State Governments were present during the meeting.

Based on the inputs, the status of work in the States is divided into three distinct categories:

<b>First draft Asset Accounts prepared/received from State Government and under verification/validation</b>	<b>Account partially prepared – remaining works underway</b>	<b>Still in initial stages</b>
<b>17 States/UT</b>	<b>6 States</b>	<b>7 States/UT</b>
<i>Andhra Pradesh, Assam, Bihar, Goa, Gujarat, Himachal Pradesh, Jammu &amp; Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Meghalaya, Mizoram, Odisha, Rajasthan, Sikkim and Telengana</i>	<i>Chhattisgarh, Jharkhand, Manipur, Punjab, Tamil Nadu and Uttar Pradesh</i>	<i>Arunachal Pradesh, Delhi, Haryana, Nagaland, Tripura, Uttarakhand and West Bengal</i>

**Based on the above status, multi-pronged strategy as discussed below is planned:**

- States which are still in initial stages would need increased efforts and closer co-ordination with the State Governments. Accordingly, the States would report status under the same headings (as in the presentation) **fortnightly** to GASAB starting 15 January 2022.
- States which have partially completed the work would need to quickly complete the work and proceed to verification/validation processes.
- Constraints faced in States which are in initial stages and partial completed status may be immediately brought to the notice of headquarters for possible remedy.
- States where Asset Accounts have been completed may proceed to verify/validate the data through sample testing in the district/directorates by deputing joint teams.

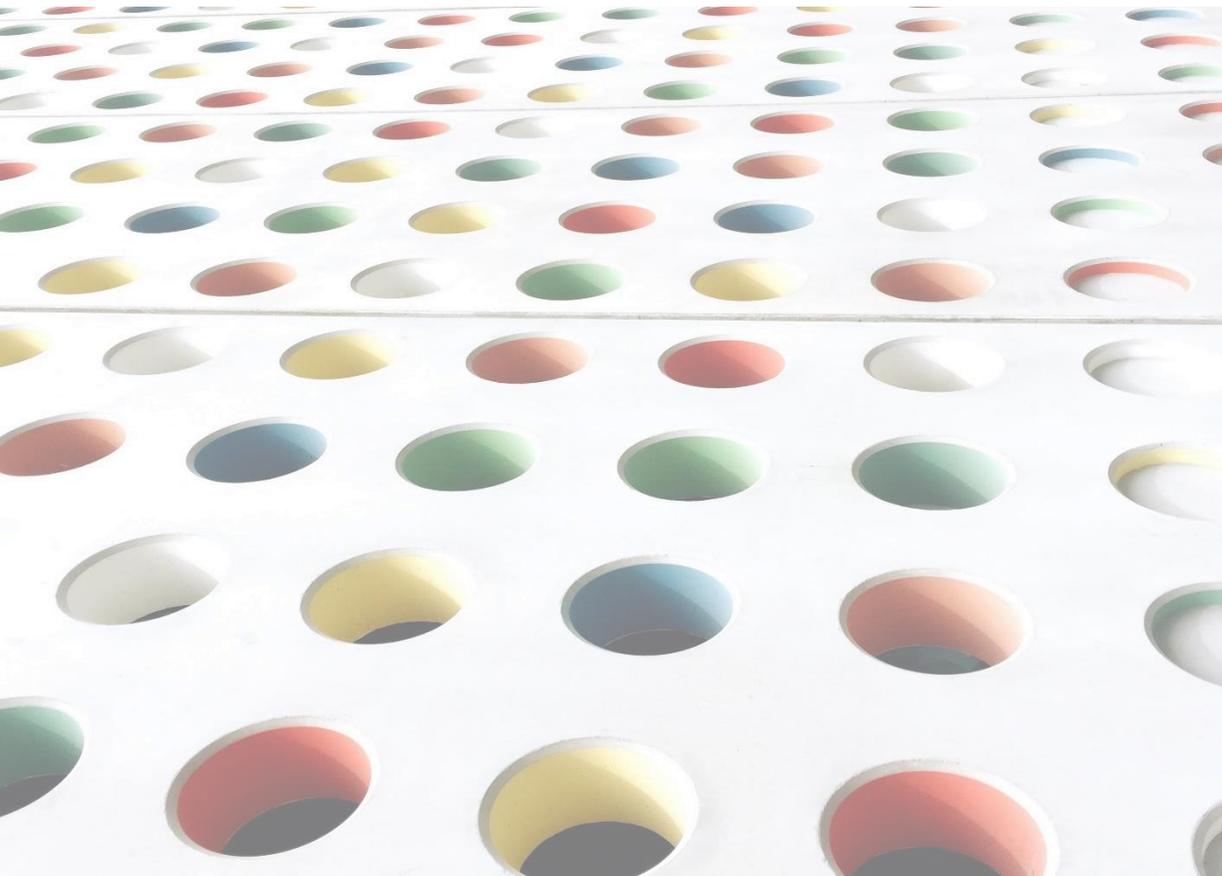
**Based on the presentations and discussions during the meeting, the following action plans are decided:**

- The resources may be carefully selected in consultation with the State Governments so as to ensure comprehensive coverage of data while other minor minerals can be gradually incorporated in the Accounts in subsequent years.
- Major thrust should be on the correctness of data captured in the Accounts.

- Departmental figures on balances, extractions/productions/dispatch – generated from the source units (districts) will be the basis of compilation and to be cross verified with the figures of Indian Bureau of Mines (IBM) figures.
- Variations of departmental figures vis-à-vis IBM figures to be highlighted to point towards the need for reconciliations.
- Joint teams to be formed (wherever not formed) for collection of information from the field units/directorates. In States where the Asset Accounts had been prepared, joint teams to be deployed for sample check of data in the district units/directorates.
- The Asset Accounts, once completed, may kindly be reviewed in view of the following check-lists which is illustrative and not exhaustive to ensure correctness/assurance on data/information (States have the liberty to add or alter the check-list as per the ground position):
  - All minerals and non-renewable energy resources as agreed and prioritised by the NRA Cell has been covered.
  - That all the mine areas under the district, whether active or dormant, have been included.
  - The total extractions, productions and dispatch shown tallies with the records available in the districts/directorates and have been reconciled with the records of the lease holders. Documentary proof may be attached.
  - The closing stock of extracted resources and the finished products are actually those available at the mine/production site as per the records available. Documentary proof may be attached.
  - Data has been verified with the records of the district office
  - Data is reconciled with that of the lease holder's records
  - Data/information on illegal mining are those which are in the records of the department and against which documentary proof is provided.
  - The receipts mentioned in this report tallies with that reported through the monthly accounts and verified/reconciled with the schedule of receipts
- Additional inputs on comparison between extraction and dispatch, actual production as reported by Departments vis-à-vis IBM and depiction of closing stock of extracted resources/produced resources may be incorporated in the Asset Accounts (please refer to email dated 11 November 2021).
- Information on carbon emission showing State-wise carbon emission and State's per capita carbon emission during 2020-21 may be included as an additional table in the Asset Accounts (Year; total carbon emission – source wise, if possible; per capita carbon emission). Also, information on generation of renewable energy in the States from various sources like solar, wind, hydel power sources may be captured (Year; source of renewable energy, target for energy generation, energy actually generated during the year, energy consumed in the State, energy supplied outside the State, projected targets for future years).

- Regarding the automated data collection mechanism to be implemented from April 2022, a write up on the standard operating procedures circulated by GASAB has been shared with the State Governments by the AsG Offices. The Guidelines are being finalised and will be circulated shortly. Comments/suggestions from the States, if any, may be communicated at the earliest opportunity.
- Decisions taken and included in the minutes of earlier meetings shall continue to apply *mutatis mutandis* and may be scrupulously followed.

Meeting ended with vote of thanks to the Chair.



# **Natural Resource Accounting**

***Goal 1 Preparation of Asset  
Accounts on Mineral & Non-  
Renewable Resources***

**Mid-term appraisals and third  
meeting -**

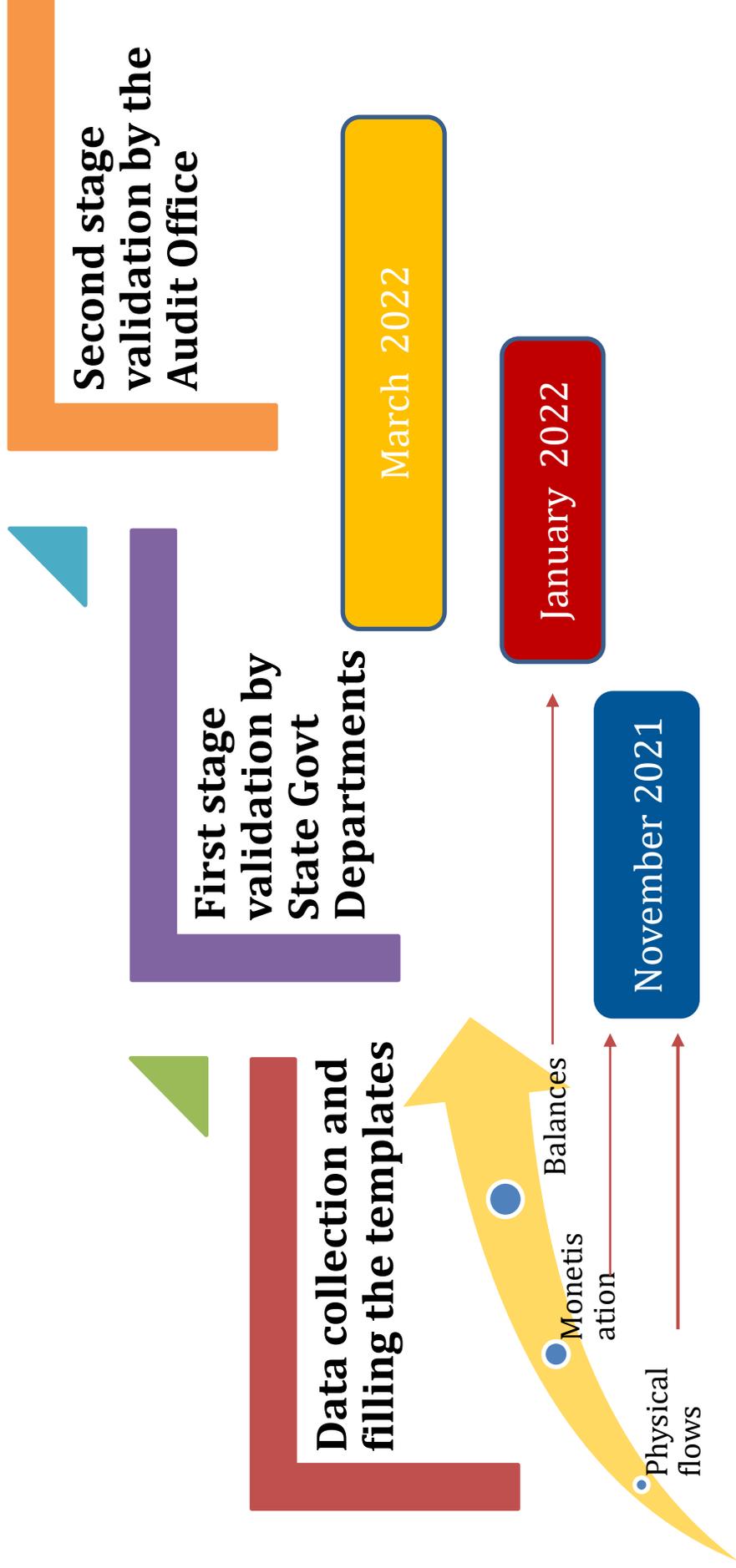
**4 January 2022**

**Government Accounting Standards Advisory Board,**

**CAG of India**



# The stages and associated targets



# Decisions taken – Nov meetings

- Joint teams to be formed
- States having PA on mining to enable data/info exchange
- For the OB and extraction figures prior to 2020-21, departmental figures to be given preference
- Weekly/fortnightly follow up mechanisms – working well
- Info to be collected on extractions, productions, variations and pc variations, dispatch, closing stock (ores as well as produced ones) to be shown
- Variations between figures of departments and those captured by the IBM to be captured and disclosed
- Info on carbon emission (State-wise and per-capita) to be included – to also cover generation and use of renewable energy resources (formats being circulated shortly)

# Additionalities

## Email dt 11 Nov

- Actual extraction
- Production
- Variation and pc variation
- Deptt vis-à-vis IBM figures
- Stock

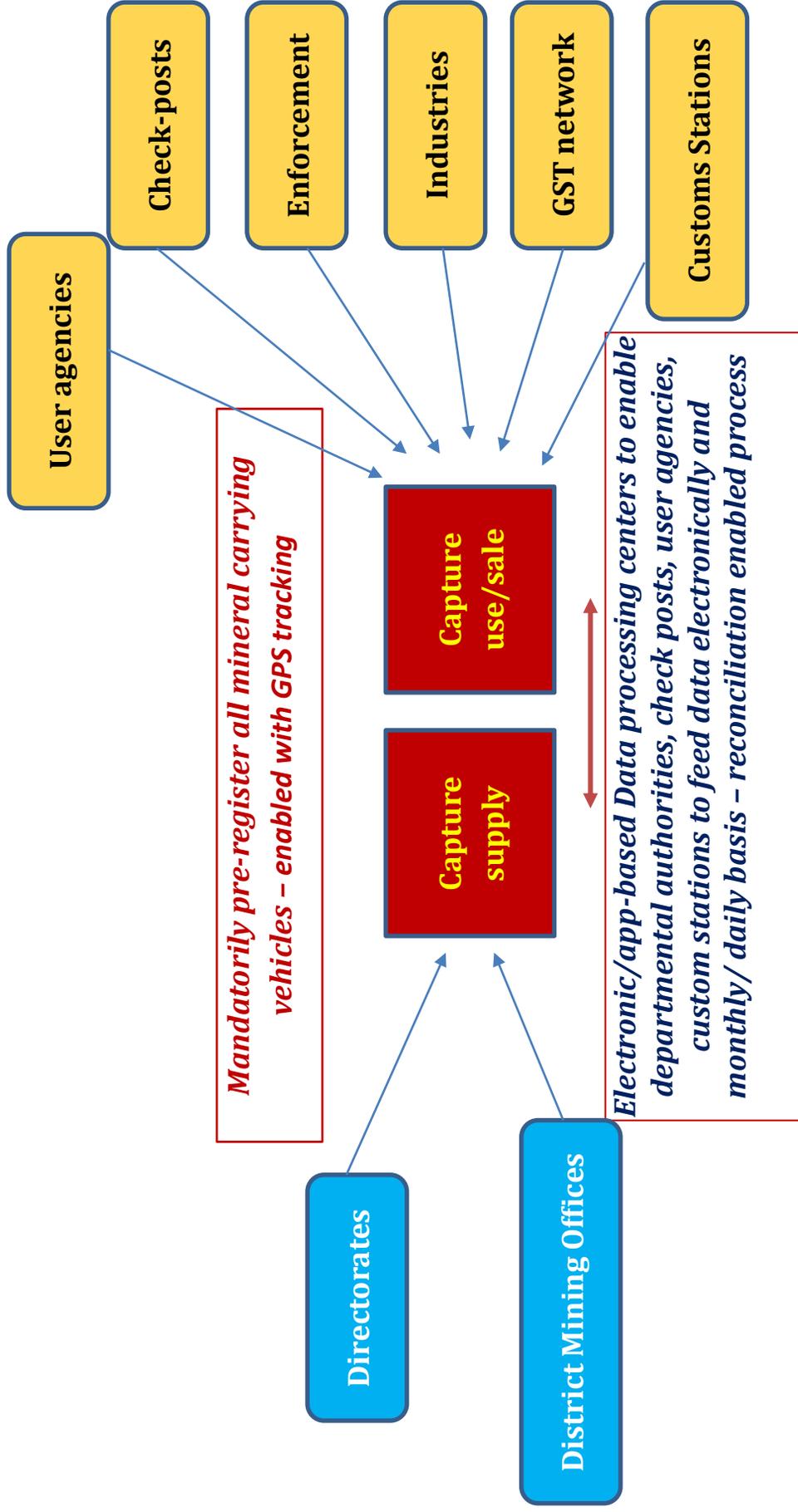
## SOPs (Dec'21)

- Data collection mechanism
- Documentary support
- Validations – regular and also annual

## Monitoring natl decl at COP 26

- Carbon emission
- Progress of generation of renewable energy

# Automation process envisaged-2022



# Suggested action – automating the processes to capture supply of resources

- Name of resource/mines
- Proved reserve as on 1-4-22 (UNFC codification)
- Name of lease holder/periodicity of lease
- Quantity allowed for extraction (gross)
- Qty extracted till previous month
- OB of extracted resources/finished products for the current month
- Quantity extracted during the month
- Quantity dispatched during the month
- Closing stock of extracted resources/finished products
- Comments (if any)/certification



Suggested inputs – monthly reports from district Offices – Hq – AsG  
 (Need to consult with State and notify for implementation w.e.f. 4/22)

**Responses received**  
 - thanks!  
**Others, please expedite**

# Additionalities – monitoring the carbon footprint

- India is third highest carbon emitter (2.44 billion tons) after China (10.61 billion tons) and US (4.71 billion tons)
- Per capita carbon emission is 1.77 ton in 2020 behind US (14.24 tons and China 7.41 tons)
- Major cause – use of coal and other fossil fuels
- National declaration in CoP 26 - India will reduce the total projected carbon emissions by one billion tonnes from now till 2030
- Asset Accounting on non-renewable energy resources – **need to parallelly monitor carbon emissions to make the accounts real time information generator**
- **The Asset Account formats to include inputs on carbon emissions – State wise and per capita carbon emissions during the year**

Target to incorporate (by March 2022) systems for monitoring the growth in renewable energy - vision – National declaration in COP 26 “500 GW renewable energy production/50 per cent of energy needs by 2030”



# Some important points to ponder

Exploitation more than opening balance

Lack of controls in mining activities – absence of data on extractions

There could be only dispatch and no production. Need to identify and verify available balance – prevent illegal mining

Grades of minerals produced/dispatched, revenue realisation/average market price – may be shown separately

Some States may need trainings/workshops for their officers/staff – urgent response  
Covid related restrictions



**THANK YOU!**

**@ S N Biswas,  
SAO, GASAB**

---

