



Natural Resource Accounting

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

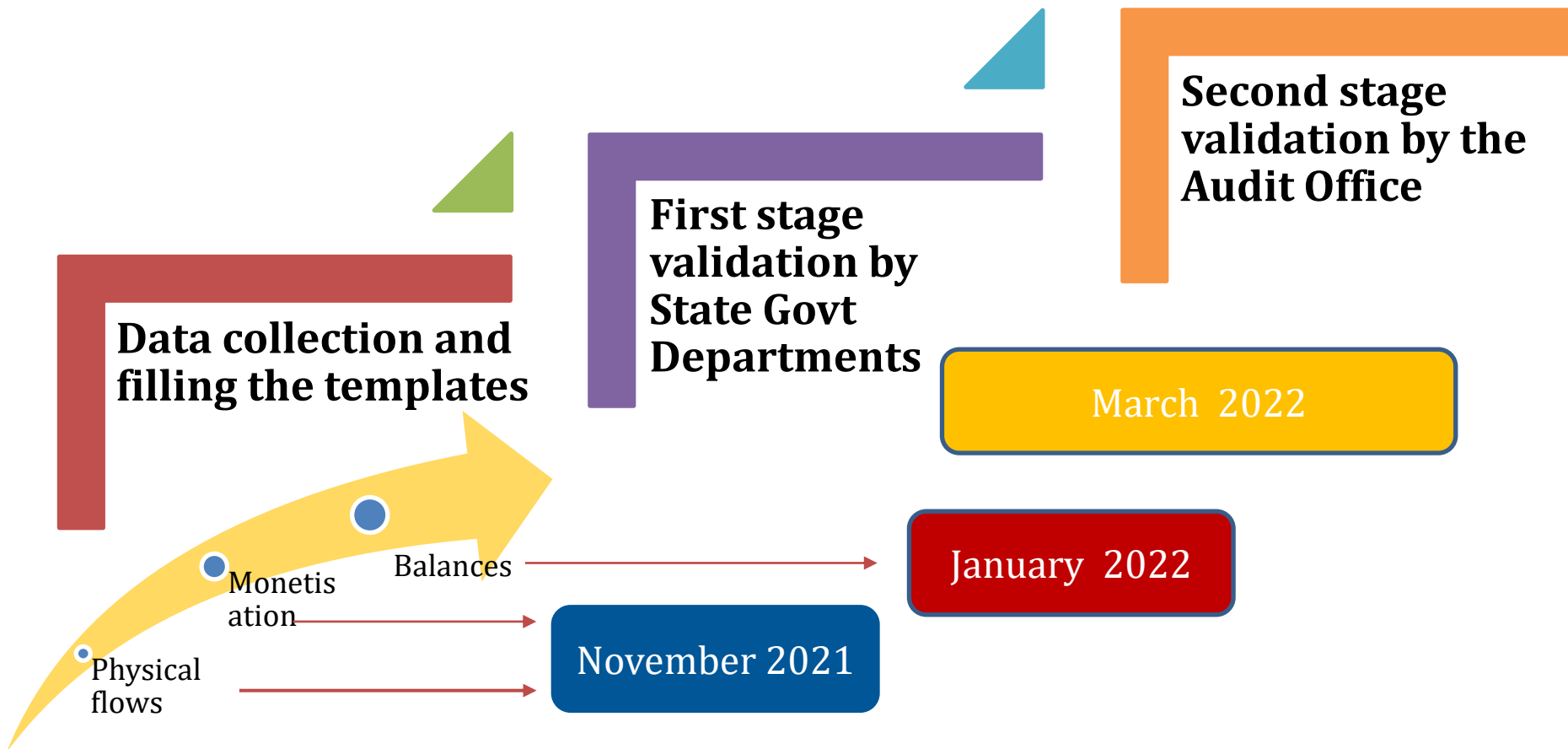
**Mid-term appraisals and third
meeting -**

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

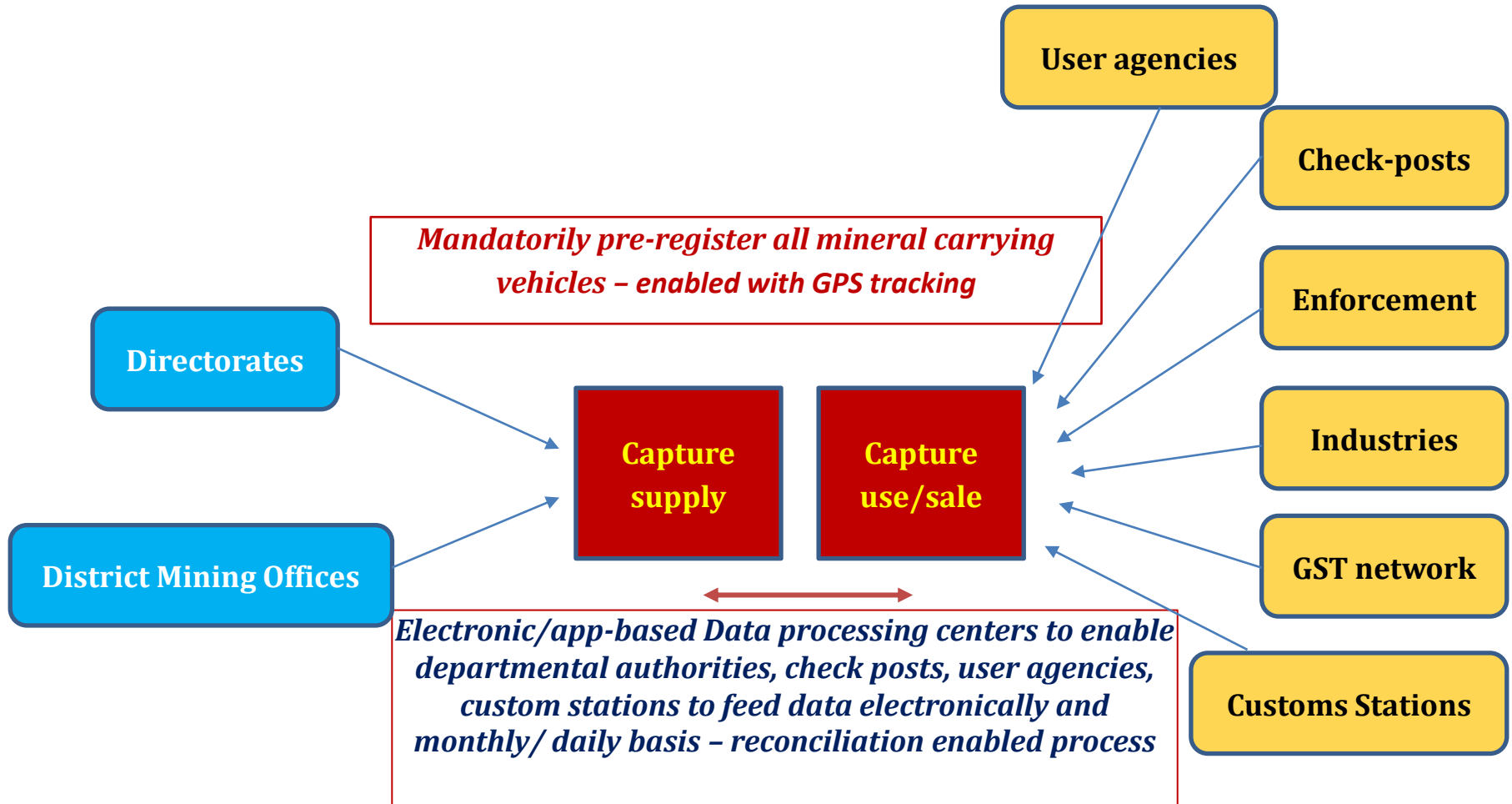
SOPs (Dec'21)

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

Monitoring natl decl at COP 26

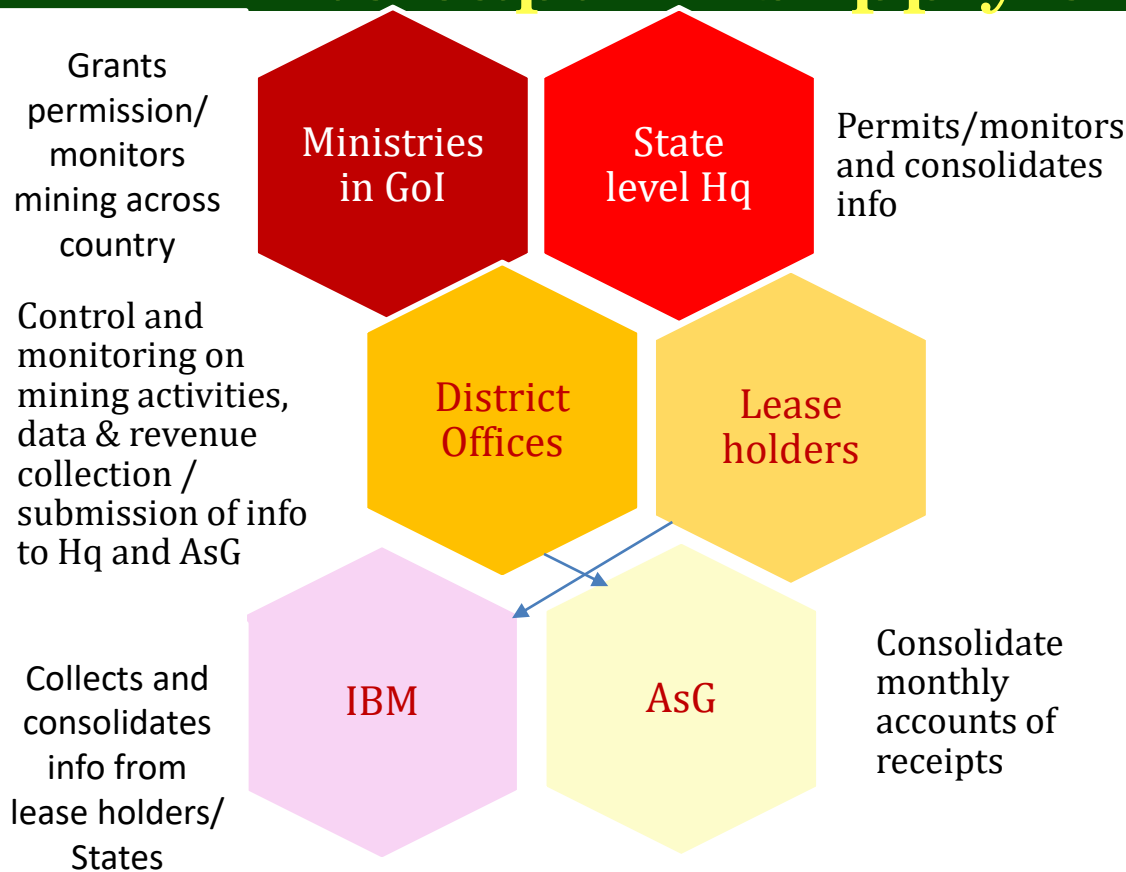
- Carbon emission
- Progress of generation of renewable energy

Automation process envisaged-2022



NRA in India – an initiative of GASAB

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**

NRA in India – an initiative of GASAB

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

NRA in India – an initiative of GASAB

A large, realistic human hand is shown from the palm side, holding a small, green, grassy globe. On top of the globe, there is a blue solar panel mounted on a black stand. In the background, two white wind turbines are visible against a bright blue sky with a large, glowing sun. The overall scene symbolizes sustainable energy and environmental stewardship.

THANK YOU!

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