

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 for April 2022 on progresses made by the States on preparation of Asset Accounts on Mineral and Non-Renewable Energy Resources

Background: As per the action plans envisaged in the Concept Paper on Natural Resource Accounting in India released in July 2020, GASAB Secretariat has brought out a book containing the templates of Asset Accounts on Mineral and Non-Renewable Energy Resources in the States. The books containing the templates were circulated to the State Governments and the State Accountants General Offices in October 2021. The first short term action plan was to prepare the first draft of Asset Accounts in the States for the year 2020-21 by March 2022.

Additionally, draft guidelines/ Standard Operating Procedures (SoPs) on quarterly data collection methodologies from the district units from April 2022 was prepared and circulated to the State Accountants General Offices for discussion with the State Governments and implementation from April 2022. After detailed deliberation and consultation with the States and the members of the Consultative Committee, the final Guidelines/SoPs have been issued to the States for implementation.

Consequent upon the national declaration at CoP 26 at Glasgow and in view of the importance of monitoring the carbon emissions and generation of renewable energy resources, specific references have been included in the Guidelines/SoPs. A reliable and credible system to capture the information at the State level regularly on these items would immensely help the GoI in consolidating the information and monitor/manage the targets over the years more effectively to meet the international commitments.

To ensure that the State reports capture and present the information uniformly, a structure of report has been prepared by the GASAB Secretariat and circulated on 12 April 2022 to the State Accountants General Offices.

In order to handhold the States in this ambitious exercise besides resolving issues and challenges and addressing the constraints being faced while preparing the first draft of the Asset Accounts, GASAB headquarters has been holding monthly meetings with all 30 States at the end of each month from October 2021 onwards. The meetings for the months October 2021 to March 2022 were held between 27 – 29 October 2021, 30 November – 2 December 2021, 4 January 2022, 31 January and 1 February 2022, 2 and 3 March 2022 and 12-13 April 2022 respectively. This is the sixth meeting for the month ending March 2022.

Date and time : (Sixth meeting for April 2022): 25 – 26 May 2022 (10.30 AM to 1.30 PM)

Participating State: All 28 States and 2 UTs with Legislature.

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

Chair: Addl Deputy CAG, GASAB (ADAI, GASAB).

Proceedings: At the outset, ADAI GASAB conveyed thanks to the States in which the first draft of the Asset Accounts have been completed and requested the States to go full throttle to complete the validation process and incorporate the accounts in the reporting framework circulated from headquarters on 12 April 2022. ADAI made special reference to the States where the **work is not yet complete and urged the HoDs to personally get involved and deploy more resources to ensure timely completion of the work.** The Officer expressed deep gratitude to the State Governments in the Departments of Mines, Finance etc in the States for their unhindered cooperation and support without which completion of the targeted first draft of the Asset Accounts would not have been possible. The value additions done at the stage of validation of data by the State Government departments as well as the Audit Offices was also acknowledged.

ADAI, GASAB re-iterated that the project, a nationally important one, is obligatory as India is a signatory to the SDGs. Importance of comprehensiveness, robustness and correctness of data along with the availability of documentation to support the data was repeatedly emphasized by the Chair. Besides, the **importance of having geo-tagged mineral map in the States was stressed upon as a mandatory requirement** and urged all States to ensure that the State-wise reports contain the geo-tagged mineral maps of the States. In case the same was not available, at least the GPS co-ordinates of the mine areas was requested to be mapped and included in the State map.

It was informed that the second meeting of the Consultative Committee on NRA constituted by GASAB with members from stakeholder ministries in GoI, subject experts, academia, agencies/organisations working in the field and the State Governments had been scheduled on 3 June 2022. Besides the presentation of GASAB on the progress of work, the Asset Accounts prepared in selective States as case studies would also be presented to seek further suggestions/comments of the eminent members of the Committee to finetune the Asset Accounts and also the implementation strategy.

This was followed by a presentation by Sr. AO, GASAB detailing, *inter-alia*, the stages and associated targets of work, status of work at the end of March 2022 and decisions taken, Actionable points for Asset Accounts 2020-21, Actionable points from April 2022 onwards, targets and timelines. Copy of presentation is enclosed.

The Sr. AO informed the house that based on the inputs, the periodicity of the reporting mechanism as envisaged in the Guidelines/SoPs circulated by GASAB has been made quarterly and that the timeline for the reports have been extended to one month after the closure of each quarter. Thus, the first quarterly report for QE June 2022 will be due by 31 July 2022.

As regards information on **carbon emission in table 6**, it was informed that **for the Asset Accounts 2020-21 under finalisation**, **this need not be incorporated** and accordingly **table 7 may be renumbered as table 6**.

Regarding information in table 4, it was clarified that the table may be used only in cases where processing of mineral ore is involved at the mine-head to capture the production

loss. It was also stated that the term 'finished products' mentioned in this table refers to the processed minerals at the mine head and not the final products.

GASAB headquarters has requested (vide email dated 20 April 2022) the field offices to consider **opening of sub-heads/detailed heads to separately capture royalties, application fees, dead rents, penalties** etc for effective mapping of Asset Accounts with the accounts figures of the State Governments. Availability of these information will also enable analysis of revenues receivable from mineral extractions and the revenues actually realised. Most of the State AsG reported to have initiated a dialogue with the State Governments. **This needs to be effectively followed up**.

The targeted date for submission of State NRA Reports in the prescribed format circulated from headquarters is 15 June 2022 was also informed.

Thereafter, the works done by the States during the month of April and till date and targets set for completion of the remaining work were presented by each of the 30 States/UT which were discussed in threadbare detail. A number of State Governments were also present and actively participated in the deliberations.

Based on the presentations and inputs received during the meeting, the status of work in the States is divided into three distinct categories as shown in the following table:

Asset Accounts prepared and are under verification/validation	Asset Accounts partially prepared – remaining works underway	Others
27 States/1 UT	1 State	1 UT
Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Punjab, Rajasthan, Sikkim, Tamil Nadu, Telengana, Tripura, Uttar Pradesh, Uttarakhand, and West Bengal	Jharkhand	Delhi – as reported by the State Government Department, no mineral is endowed within the State jurisdiction.

The State-wise status and remarks of GASAB are as mentioned below:

Sl. No	State	Status reported	Remarks of GASAB	
1.	Andhra Pradesh	 Asset Accounts prepared and validated. Report in the prescribed structure will be sent by the due date. Quarterly reporting framework – being coordinated with the State Government. 	No further comments.	
2.	Arunachal Pradesh	 Asset Accounts on shortlisted minerals prepared and validated by audit. Information on riverine resources not yet received despite best efforts. Quarterly reporting framework – being coordinated with the State Government. 	As the State generates substantial volume of revenues from riverine resources, more efforts may be made to impress upon the Departments to collect the information on riverine resources and compiled in the Accounts.	
3.	Assam	Asset Accounts on selected minerals	No further comments.	

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		 prepared and validated. Information on riverine resources to be received shortly. Quarterly reporting framework – being coordinated with the State Government. 	
4.	Bihar	 Asset Accounts prepared and under validation. Geo-tagged mineral map is available with the State Government. Quarterly reporting framework – being coordinated with the State Government. 	No further comments.
5.	Chhattisgarh	 Asset Accounts on selected minerals prepared and are under validation. Report in the prescribed structure will be sent by the due date. Quarterly reporting framework – being coordinated with the State Government and they have agreed in-principle. 	Table 7 (renewable energy resources) may be included with whatever data that had been provided by the State Government which can be updated in subsequent years.
6.	Delhi	 It was reiterated that the NCT of Delhi has reported 'nil' mineral repository in State. State NRA Cell formed. Work on Water Resources initiated. 	ADAI, GASAB urged the State to further examine the response of the State Government vis-à-vis State's revenues or other reports available on mining activities, especially those being reported in media on sand mining in Yamuna riverbed. State to prepare table on renewable energy resources (Table 7).
			State to also prepare the State NRA report in format circulated vide email dated 12 April 2022.
7.	Goa	 Asset Accounts prepared and under validation by State Government. Work on report in the prescribed structure yet to commence. Quarterly reporting framework – State Government is in the process of implementing 'Bhumija-Ore management system'. 	ADAI, GASAB instructed for deployment of more human resources for the work. Work on preparation of report in the prescribed structure should commence immediately so as to ensure timely submission of report to headquarters.
			State Government may be coordinated with to ensure that the requirements of quarterly reporting as envisaged in the Guidelines/SoPs are suitably embedded in the electronic system under implementation in the State.
8.	Gujarat	 Asset Accounts in tables 1 – 3 prepared and presently under validation. For mineral map, GPS coordinates are being received from the State Government. 	For tables 2A and 2B, only production/extraction data will suffice in absence of stock position.
		Quarterly reporting framework – being coordinated with the State Government. Commissioner of Geology and Mining has agreed to the framework in-principle. This is being separately coordinated with the Petroleum department.	Best efforts to be made to ensure tables 5 and 7 are compiled. Grade-wise mineral compilation may commence from April 2022 quarterly reporting.
9.	Haryana	● Asset Accounts in tables 1 – 3 completed	ADAI, GASAB urged the HODs

10.	Himachal Pradesh	 and are under validation. Information on other tables not received and compiled. As regards quarterly reporting framework – there is no progress. Asset Accounts in tables 2 and 3 completed and regarding table 5, data from 6 out of 12 districts have been obtained. 	to be more active and coordinate with the State Government for obtaining the data/information for the tables. It was also requested to deploy more resources for timely completion of the work. Quarterly reporting framework – may kindly be coordinated with the State Government for timely
11.	Jammu &	 Also, information on table 7 is being collected from the State. Asset Accounts as in tables 1 – 5 prepared 	No further comments.
	Kashmir	 while information on Kashmir province received recently and compilation underway. Information on table 7 received and are being consolidated. Full report is expected to be sent by 30 June 2022. Geo-tagged mineral map available in State. Quarterly reporting framework – UT Government agreed and in the process of issuing administrative orders. 	
12.	Jharkhand	 Tables 1 – 3, 4 and 5 prepared and validations going on. Quarterly reporting framework – being coordinated with the State Government. 	Coverage of only a handful of minerals leaving maximum minerals (about 27 minerals) out of the ambit of first draft of Asset Accounts for 2020-21 and moreover, non-collection/availability of comprehensive information from all districts even in case of the very few minerals covered in the first draft is a matter of grave concern. Despite having monthly meetings each month since October 2021 including active participation of the State nodal Officer and repeated guidance to deploy manpower for collection of data/information from the districts, the coverage of Asset Accounts after more than seven months remained minuscule. Preparation of a comprehensive Asset Accounts is important as Jharkhand is a mineral rich State and thus, better resource management is in the best interest of the revenues of State Government. More efforts are required on the part of the AsG Offices to ensure closer coordination with the State Government and also by deploying more resources for collection of information and

10			preparation of the Tables to make the overall exercise meaningful and useful for the State and other stakeholders.
13.	Karnataka	 Asset Accounts in Tables 1 – 5 completed while compilation of remaining tables underway. Second round validation going on. Preparation of report in the prescribed structure going on. Quarterly reporting framework – being coordinated with the State Government. 	No further comments.
14.	Kerala	 Asset Accounts in tables 1-5 and 7 prepared and validated by State Government. Audit validation going on. Report in the format is under process. 	Regarding quarterly reporting framework – State Government may be impressed upon on its utility and robustness of data generation which will enable the State to build solid databases for easy policy decisions.
15.	Madhya Pradesh	 Asset Accounts in tables 1-3 and 7 complete. Validations by audit office going on and it is yet to be validated by the State Government. Quarterly reporting framework – being coordinated with the State Government and meetings/workshops have been arranged for the departmental officers and staff. E-permit system working since 2017. 	The e-permit system may kindly be examined vis-à-vis our requirements for quarterly reporting framework and necessary amends may be impressed upon the State Government. Validation by the State Government can start simultaneously with the audit validation. In case of absence of crucial data like the average market value of minor minerals etc, suitable audit comments and recommendations
16.	Maharashtra	 Asset Accounts in tables 1-5 and prepared. Validations also completed by State Government and Audit Office. Preparation of report in the prescribed format under progress and will be submitted by the due date. Quarterly reporting framework – being coordinated with the State Government and the Government has instructed their district offices to provide quarterly reports. 	may be added in the report. No further comments.
17.	Manipur	 Asset Accounts prepared and validations under process. Report in the prescribed format to be prepared and will be transmitted within the due date. Quarterly reporting framework – being coordinated with the State Government and modalities are to be finalised. GPS coordinates of mines to be included in the report. 	No further comments.
18.	Meghalaya	Asset Account in tables 1, 2, 2A and 2B, 3, 5 and 7 prepared except for some data on additions which is expected from the State Governments.	The terminology 'finished products' in table 4 refers to processed minerals at the mine head is clarified.

		 For preparation of report in the prescribed format, Office requested for timeline upto 30 June 2022. Quarterly reporting framework – being coordinated with the State Government and is yet to be implemented. State sought clarification on 'finished products'. 	Additions to stock only occurs in case of new explorations, discoveries or shifting probable or possible reserves as proven reserves. These may be obtained from the department(s) along with supporting documents and suitably incorporated in the Accounts. If the information is not readily available, the same may be skipped with disclosures and can be added in subsequent years through 'upward reappraisals'.
19.	Mizoram	 Asset Account prepared and validated by the State Government. Audit validation is underway. Report in the prescribed format is being prepared and it is expected that the report will be submitted to headquarters by 15 June 2022 subject to availability of all remaining information from the State Government. Quarterly reporting framework –State Government has agreed and is being implemented. 	No further comments.
20.	Nagaland	 Asset Accounts received from the State Government. No further progress. 	In view of the fact that non-availability/compilation of the Asset Accounts in respect of the State of Nagaland will hinder preparation of a larger country-wide picture, more concerted efforts are needed on the part of the AsG Offices to deploy more resources for collection of data/information from the State Government departments and in assisting the State Government in compiling their Asset Accounts.
21.	Odisha	 Asset Accounts prepared with 8 major and 4 minor minerals. First stage of vetting at State Government level and also validation by audit office is underway. Report in the prescribed format is under preparation. The State requested for timeline upto 30 June 2022 for completion of the report. 	The table 2B may be used to only depict the valuation of the riverine resources. I3MS may be incorporated in the report as a good practice. The strengths of the software may also be highlighted. Regarding Quarterly reporting framework –State Government may kindly be coordinated with to suitably amend the i3MS to capture the required information envisaged in the Guidelines/SoPs.
22.	Punjab	 Asset Account is prepared and in under validation. AsG Offices have requested the State Government to implement the quarterly reporting framework. 	Since the State has an electronic data management system in place, necessary steps may kindly be taken to impress upon the departments to make suitable amends to the electronic data management system to capture the required data/information besides

			other requirements as envisaged in the Guidelines/SoPs.
23.	Rajasthan	 Asset Accounts prepared and validation completed. Preparation of report in prescribed format underway and is expected to be completed and sent to headquarters by the due date of 15 June 2022. GPS coordinates of the mines available with the State Government. Quarterly reporting framework – being coordinated with the State Government and is yet to be implemented. 	Since the State has implemented an electronic system of data management, the matter may be taken up for suitably incorporating the requirements of quarterly data/information as envisaged in the Guidelines/SoPs.
24.	Sikkim	 Asset Accounts prepared and the major mineral part had been validated while the minor minerals portion is under validation. Report in prescribed format is under preparation and will be sent to headquarters by the due date of 15 June 2022. Quarterly reporting framework –State Government has agreed to implement the system. 	No further comments.
25.	Tamil Nadu	 Asset Accounts in tables 1-5 and 7 prepared. Validation by State Government and Audit Office underway. Quarterly reporting framework –State Government agreed in-principle. 	Regarding the average market value of minor minerals, the SOR of PWD could be used in absence of readily available data from the State Government. However, the fact that the State Statistical department did not possess the figures of average market prices of minor minerals which are vital inputs for calculation of GSDP may be mentioned in the audit findings and suitable recommendations added.
26.	Telengana	 Third draft of Asset Accounts prepared and validation by audit office is complete. Validation by State Government is underway. Report in prescribed format under preparation. VLC templates being developed for capturing data from the quarterly reports to be generated by the States as envisaged in the Guidelines/SoPs. State Government generating suitable IT systems. 	No further comments.
27.	Tripura	 First draft of Asset Accounts in tables 1, 2A, 2B, 3 and 7 consisting of natural gas and sand prepared and validated by the State Government and Audit. Report in prescribed structure is under preparation and is expected to be send to headquarters by the due date. Quarterly reporting framework – being coordinated with the State Government and is yet to be implemented. For valuation of sand resources, SOR of 	No further comments.

		PWD is being adopted.	
28.	Uttar Pradesh	 Asset Accounts in tables 1-3 prepared, information being collected for tables 4 and 5 and in respect of table 7, data is expected shortly. Validations underway. Report in prescribed structure is being prepared and every effort will be made to send the report to headquarters by the due date. Quarterly reporting framework – being coordinated with the State Government and is yet to be implemented. 	No further comments.
29.	Uttarakhand	 Asset Accounts prepared and are under validation. Report in prescribed structure is being prepared and every effort will be made to send the report to headquarters by the due date. GPS data has been called for. 	Since Uttarakhand has immense hydro-electricity potential, table 7 may kindly be attempted to be prepared. Quarterly reporting framework – may be coordinated with the State Government for implementation.
30.	West Bengal	 Asset Accounts prepared. Validation yet to commence. Table 7 not yet commenced. 	As audit of mineral resources is under the jurisdiction of Audit II Office and DGA, Coal, the validation may be done by those offices having audit jurisdictions over the concerned departments. Regarding quarterly reporting framework —State Government may be coordinated with for timely implementation.

Based on the above presentations and deliberations, the following were additionally decided in addition to those mentioned before and in the remark column of the above table.

- **Shortlisting of resources** for the first Asset Accounts may be done after due consultation and prioritization of the concerned State Governments.
- **Departmental figures** on balances, extractions/productions/dispatch generated from the source units (districts) will be the basis of compilation and to be **cross linked** with the figures of Indian Bureau of Mines (IBM) figures and variations pointed out **wherever the variations are substantial.**
- **Verification and validation of the draft Asset Accounts** may be invariably conducted in view of the **checklists** circulated by GASAB headquarters.
- Gradation of minerals may not be stressed upon for the Asset Accounts for 2020-21. Instead, the States may kindly be impressed upon to include these in the quarterly report to be generated by 31 July 2022 as envisaged in the Guidelines/SOPs. Accordingly, the royalty receivable for minerals may averaged out for compilation.
- Information received from the DGHC has been circulated to all field Offices by GASAB headquarters. These may be used suitably while compiling the Asset Accounts on fossil fuels petroleum and natural gas.

- Some States disclosed to have received inputs on amounts transferred to the **National Mineral Trust** along with figures of DMF. It was reiterated that this **information may**be included suitable modifying the table on DMF.
- The **final report** in the structure circulated by GASAB is **targeted by <u>mid-June 2022</u> except for specific extension in timelines**.
- 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

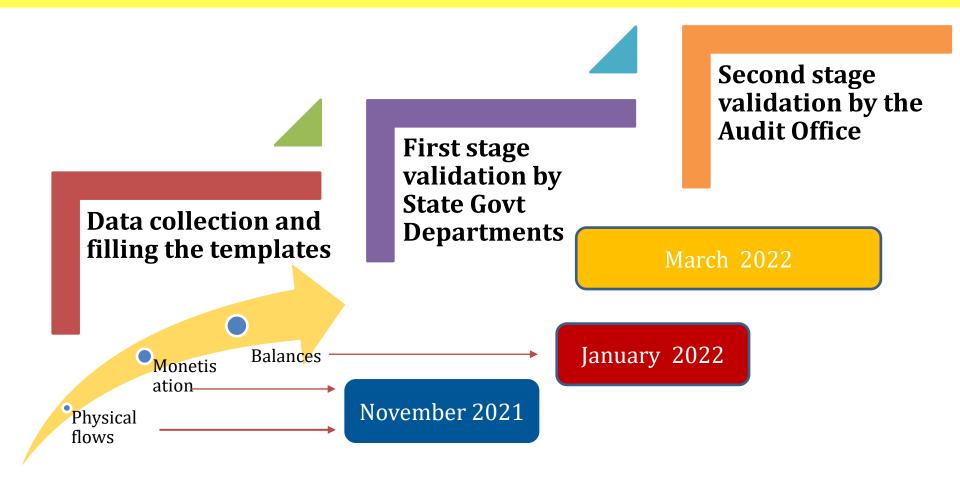
Goal 1 Preparation of Asset Accounts on Mineral & Non-Renewable Resources

Seventh meeting – for April 2022

25 - 26 May 2022

Government Accounting Standards Advisory Board,
CAG of India

The stages and associated targets



Status – March 2022

Asset Accounts prepared and are under verification/validation	Asset Accounts partially prepared – remaining works underway	Still in initial stages
26 States/1 UT	2 States	1 UT
Andhra Pradesh, Arunachal Pradesh, Assam, Bihar, Chhattisgarh, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Punjab, Rajasthan, Sikkim, Tamil Nadu, Telengana, Tripura, Uttar Pradesh and West Bengal	Jharkhand, Uttarakhand	Delhi

Actionable points – Asset Accounts 20-21

- Major thrust on comprehensiveness, correctness of data
- Robustness of the **data capturing methodology** to enable a **solid edifice** for continuous data extraction, collection and collation in the future years
- Resources against which all required data is received/obtained may only be included in the first draft (2020-21) baring some cases where the resources are of high importance to the State and very limited info is pending
- Departmental figures generated from the **source units** (districts) will be the basis of compilation
- Figures of IBM may be separately included, and variations pointed out
- Verification and validation in view of the **checklists**, certifications and corroborated with supporting documents

Actionable points – Asset Accounts 20-21 ...contd

- Information on carbon emission is not required for Asset Accounts **2020-21**
- Accordingly, table 7 on renewable energy resources may be renumbered as Table 6
- Table No. 4 may be used in case processing of resources at the mine site. For other resources which do not involve processing at mine head, only tables 1,2,3 may be used
- Geo-tagged mineral map is a priority to be included in the report
- If geo-tagging data/info is not available **GPS coordinates of the mines may be collected,** and mineral map of the State worked out and incorporated in the Report

2nd Consultative Committee meeting

- Scheduled on 3 June 2022 from 11 AM onwards
- At CAG's Office
- Status of work in the States to be presented
- Five States shortlisted for presenting their Asset Accounts as case studies Gujarat, Karnataka, Madhya Pradesh, Meghalaya and West Bengal
- Meeting to be in hybrid model physical presentations
- State Governments may be coordinated with for nomination of State representatives during the presentations
- States may finalise the presentations and send us by 30 May'22
- PPT to include how proceeded, Coordination between AsG and State, challenges, Good practices and initiatives, Asset Accounts in brief, salient features of the Accounts, findings of the study

Actionable points – road ahead (April'22 onwards)

- Remaining resources to be brought under the ambit of Asset Accounting system
- Process for preparing the Asset Account 2021-22 may begin UTs not yet covered may be covered now
- Data flow through the reporting mechanism envisaged in the Guidelines may be implemented QUARTERLY
- AG, A&E, TN may please share the feeder tables generated for capturing quarterly data into the main tables
- First report due by 31 July 2022
- State AsG Offices to work in close coordination with State Governments for implementation of the Guidelines, systems and processes for smooth flow of reports from the district level to the AsG Offices through the Directorates

Actionable points – road ahead (April'22 onwards)

- Recommendations on statutory, short and long term approaches for end to end mapping of supply and use of resources may be insisted upon
- Minerals and energy resources to be included grade-wise in the quarterly reports for uniform reporting
- Quarterly reports to be supported by checklists, certifications and supporting documents as envisaged in the Guidelines/SOPs

Targets and timelines

- State NRA Reports in prescribed formats to be completed by 15 June 2022
- National compilation targeted by 31 July 2022
- Need to consult the final report with State Government copy of report to be sent simultaneously to State Govt
- Views/comments to be incorporated subsequently at the stage of finalisation
- May need support from States during compilation

THANK YOU!

@ S N Biswas, SAO, GASAB

