



**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 the month of February 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 in October 2021. The first short term action plan is to prepare the first draft of Asset Accounts in the States for the year 2020-21 by March 2022.

Additionally, guidelines/ Standard Operating Procedures (SoPs) on monthly data collection methodologies from the district units from April 2022 was also prepared and circulated to the State Accountants General Offices for discussion with the State Governments and implementation from April 2022. The draft guidelines/SoPs have been shared with the eminent members of the Consultative Committee. The guidelines/SoPs are being finalised based on comments/suggestions received from the States as well as the consultative committee members.

Consequent upon the national declaration at CoP 26 at Glasgow, the Asset Accounts had been modified/updated to include tentative tables (as tables 4 and 5 of the Asset Accounts) for capturing data on carbon emissions (State wise emissions and per capita emissions in States) and progress in renewable energy resources in the States. Inclusion of information on carbon sequestration and its assessments in the States are also being envisioned.

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 planned monthly meetings at the end of each month from October 2021 through March 2022 or preparation of Asset Accounts in all targeted States, whichever is earlier. The first, second, third and fourth meetings were held between 27 – 29 October 2021, 30 November – 2 December 2021, 4 January 2022 and 31 January and 1 February respectively. This is the fifth meeting for the month ending February 2022.

Date and time : (fifth meeting) : 2 and 3 March 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 specially complimented the States

which have migrated from being in the partially completed status/initial stages during last month (ending 31 January 2022) to the first draft Asset Accounts prepared status while requesting the States in which the Accounts are partially prepared to go full steam to ensure that the works are completed within the targeted timeline. Special mention was made about the involvement of the State Governments and concerned Departments in extending all support and co-operation without which completion of the targeted first draft of the Asset Accounts could not have been possible. For the lone State that reported to be still in the initial stages, i.e. Delhi, increased involvement of the Officers, need for deployment of field personnel for collection/collation of data and also the need for more effective co-ordination with the State Government and concerned Departments were impressed upon so as to ensure that the capital did not miss out being featured in the larger mineral map of the country.

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 targeted timeline for completion of the work in States, i.e. end of March 2022 was repeatedly emphasized by the Chair.

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 January 2022 and decisions taken, status of fortnightly reports received from the States reporting to be in initial stages (15 February 2022), ADAI (GASAB)'s DO letter dated 23 February 2022 impressing upon the four field Offices about the need to be pro-active for expeditious completion of the work, additional points on need for monitoring the carbon emission and progress of renewable energy resources to monitor attainment of the national declarations made at Conference of Parties (COP) – 26 held at Glasgow, UK, pertinent issues of Guidelines/SoPs released on automation process on data flow from April 2022 onwards, developments in GASAB – related to collaboration with the NRSC for getting technical assistance on geo-spatial data, additional inputs sought in the Asset Accounts, i.e. information on district mineral foundation. Copy of presentation is enclosed.

Sr. AO informed the house that the final draft of the Guidelines/SoPs were to be circulated shortly. It was also mentioned that to ensure uniformity in the format of the reports of the States on Asset Accounts on Mineral & Energy Resources, a template is under preparation in GASAB and will be circulated by the end of March 2022.

Thereafter, the works done by the States during the month and till the end of February 2022 and targets set for remaining period with specific inputs for March 2022 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.

All the States Accountants General reported to have endorsed the second draft of the Guidelines/SoPs to the concerned State Governments.

Good practices reported by States like creation of portal for capturing data as per the guidelines/SoPs circulated by GASAB in Andhra Pradesh, data sharing through NIC in Kerala, fielding joint teams in all districts for complete coverage in Madhya Pradesh, extending the access of electronic portal to the State Accountants General in Punjab by the

State Government, expansion of the State-developed software on automated data collection in Goa to cover the needs of the monthly data generation as per the guidelines/SoPs were noted and well appreciated.

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	Still in initial stages
22 States/1 UT	6 States	1 UT
<i>Andhra Pradesh, Assam, Bihar, Chhattisgarh, Goa, Gujarat, Haryana, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Maharashtra, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Punjab, Rajasthan, Sikkim, Tamil Nadu, Telengana, Tripura,</i>	<i>Arunachal Pradesh, Jharkhand, Madhya Pradesh, Uttar Pradesh, Uttarakhand and West Bengal</i>	<i>Delhi</i>
Remarks: A number of States under this category has reported completion of validation by the State Governments/Audit Offices. Other States may complete the verification/ validation of the Accounts expeditiously based on the checklists and guidelines/SoPs.	Remarks: States may speed up the pending works and quickly proceed to verification/validation process.	Remarks: As only two months are left, Delhi needs to put all efforts to co-ordinate with the concerned Department(s) to speed up the process through meetings and contacts with the State Government and Departmental Officers. State to share fortnightly updated on status of work as on 15 March' 22.

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

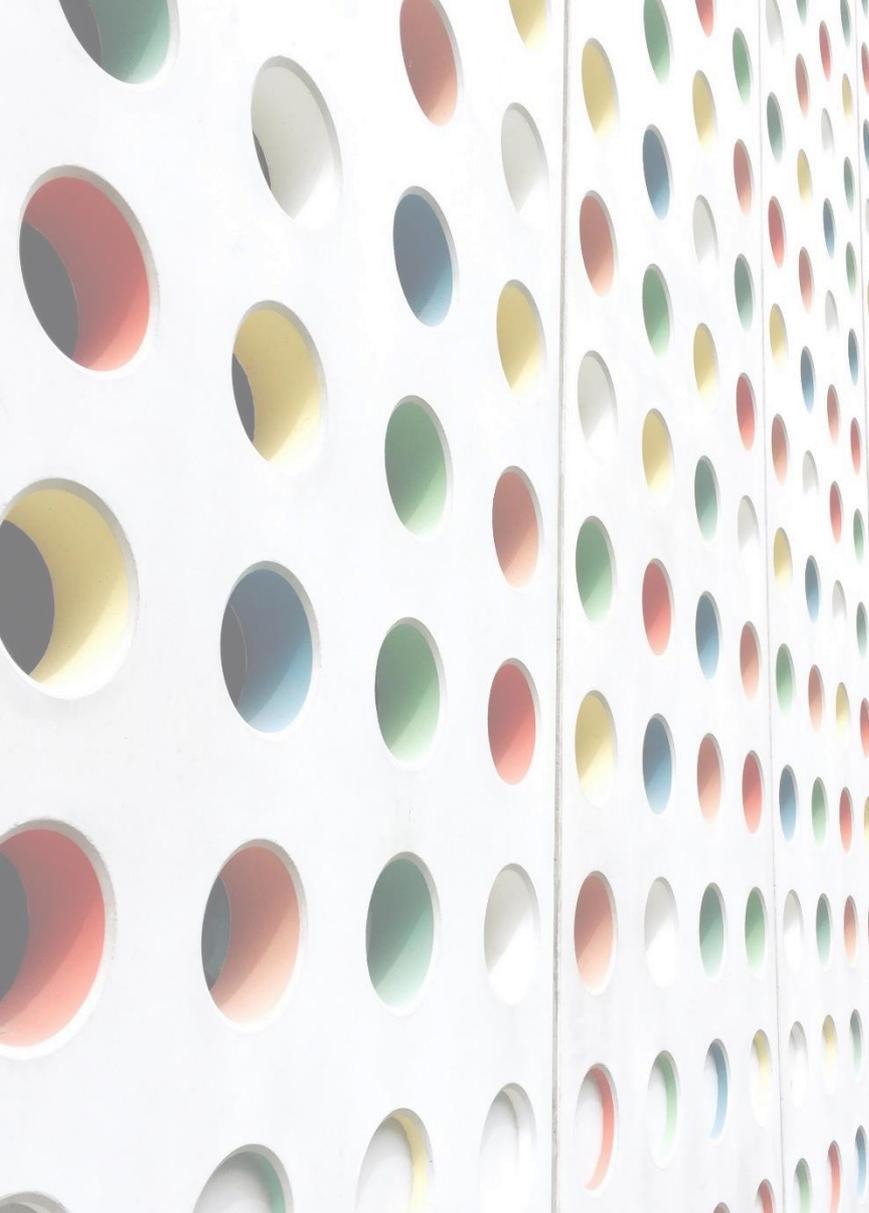
- For the reports on first draft of the Asset Accounts under preparation in the States, draft template on the structure of the Report will be circulated from GASAB by end of March 2022.
- That the shortlisting of resources for the first Asset Accounts, wherever done, was after due consultation and prioritization of the concerned State Governments.
- Major thrust should be on the comprehensiveness, correctness of data captured in the Accounts and robustness of the data capturing methodology so as to build 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 to make them complete while other remaining resources including those with partial information may be targeted to be brought into the Accounts in subsequent years in phased manner.

- 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 wherever the variations are substantial.
- Verification and validation of the draft Asset Accounts may be invariably conducted in view of the checklists, certifications and corroborated with supporting documents.
- Information on carbon emission showing State-wise carbon emission/State's per capita carbon emission and information on generation of renewable energy in the States from various sources like solar, wind, hydel power sources during 2020-21 may be captured.
- As highlighted by Sikkim, details on carbon sequestration/carbon sinks in various States may be pointed out under table 4 (on carbon emission data) along with whether the State or any other authority has carried out an assessment of carbon sequestration in respective States.
- The fact that some of the State Pollution Control Board do not possess or have a system of capturing the information on carbon emission may be included as note to account.
- Most of the States reported to have conducted atleast one workshop/training for the State Government Departments on the monthly reporting mechanisms envisaged in the guidelines/SoPs. Trainings/workshops may be continued to be conducted for the departmental officers to sensitise them about the various requirements of the monthly reports (electronically or manually as the case may be) as envisaged in the guidelines/SoPs along with the importance of data validations, certifications and supporting documents required to be sent along with the reports.
- Some States have proposed to create suitable portal for generation of monthly data from the district level units as envisaged in the guidelines/SoPs. Additionally, States like Andhra Pradesh is contemplating bringing onboard the data on usage/transport/export of minerals which will add immense value to the system and prevent misuse of resources while optimizing revenues for the State exchequer. Similar efforts should be encouraged in all States in consultation with the State Governments to ensure transmission of real time data and timely building of the Asset Accounts.
- Standard gradation of minerals (as illustrated in the presentation) may be incorporated in the Asset Accounts for better disclosure of availability of exact grades of minerals in different parts of the country. If the details are not being maintained by the States, this could be discussed and incorporated in the system of monthly automated data processing envisaged for implementation from April 2022.
- As Delhi has only remained in the category of initial stage, renewed efforts and vigorous pursuance is called for at the highest level with the Principal Secretary/Additional Chief Secretary/Chief Secretary to obtain the data for the tables 1,2 and 3 and especially the carbon emission figures as required in table No. 4.

- Decisions taken and included in the minutes of earlier meetings shall continue to apply *mutatis mutandis* and may be scrupulously followed.

Before concluding, the ADAI GASAB highly appreciated the works done in the States with the collaboration of the State Governments despite diverse challenges especially this being first such exercise in the country. The need and advantages of the monthly meetings commenced since month ending 31 October 2021 to continuously discuss and share the progresses in the States was also highlighted. Importance of continuing the concerted efforts in completing the Asset Accounts and its related verification/validations during the last leg of the project for timely transmission to headquarters was stressed upon.

Meeting ended with vote of thanks to the Chair.



Natural Resource Accounting

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

Fifth meeting -

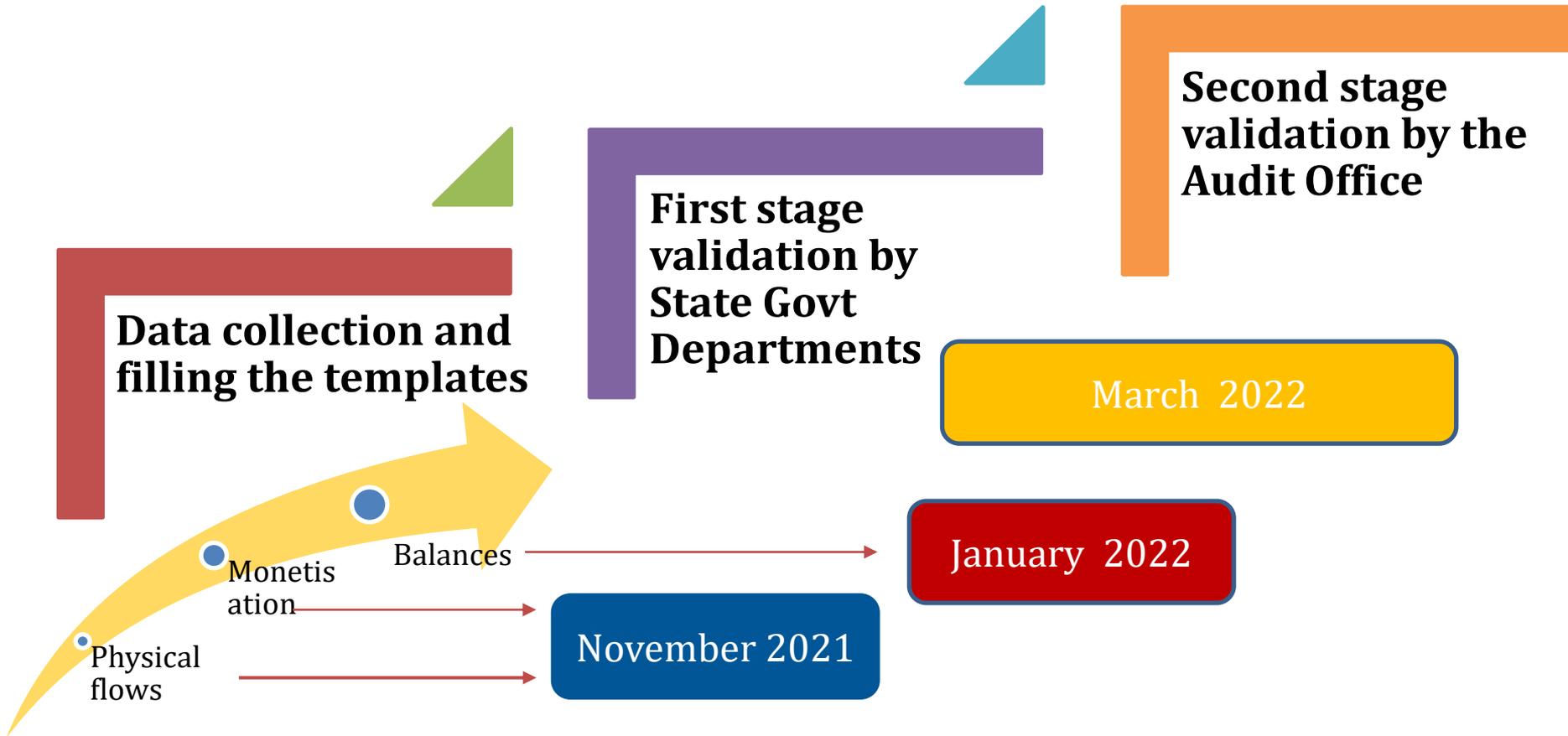
2 - 3 March 2022

Government Accounting Standards Advisory Board,

CAG of India



The stages and associated targets



Status – January 2022

Asset Accounts prepared and are under verification/validation	Asset Accounts partially prepared – remaining works underway	Still in initial stages
16 States/1 UT	10 States	2 States/1 UT
<i>Andhra Pradesh, Assam, Goa, Gujarat, Himachal Pradesh, Jammu & Kashmir, Karnataka, Kerala, Manipur, Meghalaya, Mizoram, Nagaland, Odisha, Punjab, Rajasthan, Sikkim and Telengana</i>	<i>Arunachal Pradesh, Bihar, Chhattisgarh, Jharkhand, Tamil Nadu, Madhya Pradesh, Maharashtra, Tripura, Uttar Pradesh and West Bengal</i>	<i>Delhi, Haryana and Uttarakhand</i>

Decisions taken – meeting for Jan'22

- States in the initial stages to share progress-fortnightly (**Haryana report not yet received**)
- States with partial completion may quickly complete the remaining works
- States where Asset Accounts were completed to proceed to next stage – verification and validation
- Careful selection and prioritization of the minerals to be covered in the first draft – in consultation with the State Governments
- Correctness of the figures – priority
- The reports on Asset Accounts may contain a detailed mineral map showing the availability of minerals as envisaged in the draft Guidelines/SoPs, players involved (Government, private) and their roles, process followed in mining activities, full listing of minerals vis-a-vis those prioritized by the States including the rationale for such short listing, automation process under implementation in the State etc.
- Draft templates on the structure of the Reports will be circulated from GASAB by end of March 2022.

Decisions taken – meeting for Jan'22

- Departmental figures generated from the districts – to be the basis
- Variations between departmental figures and IBM figures to be pointed out
- Joint teams to be formed – wherever not formed
- Verification/validation of Asset Accounts based on checklists (circulated with the minutes of mid-term appraisal)
- 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
- Information on carbon emission and renewable energy resources to be incorporated – tentative formats of tables circulated through second draft of Guidelines/SoPs
- Trainings/workshops for sensitizing the departmental officers - requirements of the monthly reports (electronically or manually), data validations, certifications/supporting documents
- Standard gradation of major minerals like coal, iron ore etc wherever practicable should be followed (as graded by IBM) (iron ore – below 55 % FE, Limestone – cement, LD SMS and chemical, Manganese – percent content)

Decisions taken – meeting for Jan'22

- Standard gradation of major minerals like coal, iron ore etc wherever practicable should be followed (as graded by IBM)

Iron Ore	Limestone	Manganese Ore	Marble
Below 55 % FE	Cement	Below 25 % Mn	White colour
55% to below 58% FE	LD, SMS and BF	25% to below 35% Mn	Off colour
58% to below 60% FE	Chemical	35% to below 46% Mn	
60% to below 62% FE		46% Mn and above	
62 & to below 65% FE			
Above 65% FE			

Status – fortnightly reports

Arunachal Pradesh	<ul style="list-style-type: none">• Five major minerals and two minor minerals shortlisted• Collection of data underway	Status as of February ending to be seen
Chhattisgarh	<ul style="list-style-type: none">• Due to continued efforts, information of production and dispatch of five major minerals received• Compilations underway• Regarding minor minerals, though furnishing of monthly returns is mandatory, yet the same is not practiced in the State.• AsG Offices trying their best to compile atleast four minor minerals which were reclassified from major minerals in 2015	Status of February ending to be seen
Delhi	<ul style="list-style-type: none">• NRA Cell yet to be formed in Delhi.• Divisional Commissioner and Department of Forest has furnished Nil report.• Delhi Jal Board requested for providing information on water resources	--

Status – fortnightly reports

Haryana	<ul style="list-style-type: none">• Three minerals shortlisted in consultation with the State Government• First draft of tables 1, 2 and 3 prepared	<ul style="list-style-type: none">• Major progress – appreciated• Other formalities on verification and validation as per check list may be completed
Nagaland	<ul style="list-style-type: none">• Draft Asset Accounts prepared and sent to headquarters• Some queries• Shared with the State Government• Response awaited	<ul style="list-style-type: none">• State Government may vigorously be pursued for response
Tripura	<ul style="list-style-type: none">• Some information have been received• Info on petroleum and natural gas not received in complete shape	<p>Status as of January ending to be seen</p> <p>State Government may be pursued for complete data on petroleum and natural gas</p>

Status – fortnightly reports

Uttarakhand	<ul style="list-style-type: none">• Information on tables 1 to 3 was targeted to be obtained from the Department during the fortnight ending 15 February 2022.• The same is yet to be received.	<ul style="list-style-type: none">• Teams may be deployed to capture the data.• The matter may be pursued vigorously with the Departments
West Bengal	<ul style="list-style-type: none">• A virtual meeting of State NRA Cell held on 28 January 2022• Team visited Office of IBM on 10 Feb and Coal India on 11 February 2022• 64 working mines, of which, 6 mines are owned by ECL and BCCL	<ul style="list-style-type: none">• Initiatives to impress upon various authorities to provide appreciated• Status of February ending to be seen.

- **ADAI GASAB's DO letter dated 23 February 2022 - impressing upon the 4 field Offices about international commitment and that CAG is keenly interested in the project**
- **Requested the Offices to be pro-active in fielding joint teams and get the work completed through close/personal monitoring**

NRA in India – an initiative of GASAB

Additionalities – points to ponder

Monitoring natl decl at COP 26

- Carbon emission
- Progress of generation of renewable energy
- Tentative tables incorporated in Guidelines

Collaboration with NRSC

- Cross verification and secondary validations
- Note prepared and sent to NRSC
- Meeting soon
- MoU for data sharing

Guidelines/SoPs

- Second draft released (14 Jan)
- Check lists - validations
- Guidelines finalised – under submission – to be circulated soon
- All subsequent circulars accommodated

DMF

- Amount receivable
- Amount received

A hand holding a small globe with renewable energy symbols. The globe features a blue solar panel, a white wind turbine, and green trees. The background is a bright blue sky with a sun and clouds.

THANK YOU!

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