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TODAY'S ANALYSIS

(01 April 2025)

TOPICS TO BE COVERED

- **BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE APPLICATIONS & GEO INFORMATICS (BISAG-N)**
- **PM GATI SHAKTI YOJANA**
- **OPERATION BRAHMA**
- **MCQs**

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BHASKARACHARYA NATIONAL INSTITUTE FOR SPACE APPLICATIONS & GEO INFORMATICS (BISAG-N)



Recent Development:

- **Agreement with Comptroller and Auditor General (CAG):**
 - **CAG of India** has signed an agreement with **BISAG-N** to leverage **advanced technologies** in **Geographic Information Systems (GIS)** and **remote sensing** for improving audit processes.

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ABOUT BISAG-N

- **Status:**

- BISAG-N is an **autonomous scientific society** registered under the **Societies Registration Act, 1860**.
- It operates under the **Ministry of Electronics & Information Technology (MeitY), Government of India**.

- **Location:**

- **Gandhinagar, Gujarat.**

- **Objective:**

- The main goals of BISAG-N include:
 - **Technology development & management**
 - **Research & development**
 - **National & international cooperation**
 - **Capacity building**
 - **Technology transfer & entrepreneurship development in geospatial technology.**

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Key Domains:

- **Satellite communication**
- **Geo-informatics**
- **Geo-spatial technology**

Specialized Services & Solutions:

- **GIS Implementation:**

- BISAG-N offers specialized services in **implementing map-based Geographic Information Systems (GIS)** at an enterprise level, covering the entire process of GIS system deployment:

- **GIS database design & development**
- **Map creation & updation**
- **Data migration & conversion**
- **Software development & customization**
- **Systems integration**
- **Technical consulting**

- **Comprehensive GIS Solutions:**

- Provides complete GIS solutions that bundle:

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- **Hardware**
- **Software**
- **GIS systems development services**
- **Geo-Spatial Services:**
 - BISAG-N offers **photogrammetric solutions** and services over **large geographical areas**. This includes:
 - **Mapping**
 - **Cartography**
 - **Imaging**
 - **Utility/environment resource management**
- **Remote Sensing Solutions:**
 - BISAG-N provides **remote sensing solutions** using **multispectral data** for various applications such as:
 - **Agricultural crop monitoring**
 - **Watershed management**
 - **Forest fire mapping**

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Coordination and Impact:

- **Collaboration with Government:**

- BISAG-N works closely with both **Government of India Ministries** and **State Government departments/agencies**.
- The institute has established itself as a **national-level agency**, utilizing **satellite communication** and **space & geo-spatial technologies** for **planning** and **development activities** across various sectors of the government.

CONCLUSION

BISAG-N plays a crucial role in advancing the use of **space** and **geo-spatial technologies** in government operations, contributing significantly to national development. Its services in **GIS**, **remote sensing**, and **satellite communication** continue to support various government initiatives, including the recent collaboration with the **CAG** for improving audit processes.

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PM GATI SHAKTI YOJANA

The **₹100- trillion Gati Shakti** or the **National Master Plan for multimodal connectivity** to expedite infrastructure project implementation in India.



ABOUT GATI SHAKTI

It is **essentially a digital platform** to bring **16 Ministries together** (including Railways and Roadways) for **integrated planning and coordinated implementation of infrastructure connectivity projects**.

- An integrated multimodal **Network Planning Group (NPG)** will be responsible for unified planning and integration of proposals.

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- This entire platform has been developed by the **Bhaskaracharya National Institute for Space Applications and Geoinformatics (BISAG)**.

6 PILLARS OF GATI SHAKTI

- **Comprehensiveness –**

- It will include all the existing and planned initiatives of various Ministries and Departments with one centralized portal.
- Each and every Department will now have visibility of each other's activities providing critical data while planning & execution of projects in a comprehensive manner.

- **Prioritization –**

- Through this, different Departments will be able to prioritize their projects through cross-sectoral interactions.

- **Optimization –**

- The National Master Plan will assist different ministries in planning for projects after identification of critical gaps.
- For the transportation of the goods from one place to another, the plan will help in selecting the most optimum route in terms of time and cost.

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- **Synchronization –**

- Individual Ministries and Departments often work in silos.
- There is lack of coordination in planning and implementation of the project resulting in delays.
- PM Gati Shakti will help in synchronizing the activities of each department, as well as of different layers of governance, in a holistic manner by ensuring coordination of work between them.

- **Analytical –**

- The plan will provide the entire data at one place with GIS based spatial planning and analytical tools having 200+ layers, enabling better visibility to the executing agency.

- **Dynamic –**

- All Ministries and Departments will now be able to visualize, review and monitor the progress of cross-sectoral projects, through the GIS platform.
- Satellite imagery will give on-ground progress periodically and progress of the projects will be updated on a regular basis on the portal.
- It will help in identifying the vital interventions for enhancing and updating the master plan.

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OPERATION BRAHMA

In a swift response to the devastating earthquake that struck Myanmar on 28th March 2025, the **Indian Army**, under '**Operation Brahma**', is **deploying a specialised medical task force** to provide urgent humanitarian assistance.

WHO WILL GO FROM INDIA?

- A 118-member team from the elite **Shatrueet Brigade Medical Responders**, led by **Lieutenant Colonel Jagneet Gill**, is set takeoff to Myanmar shortly along with essential medical equipment and supplies.
- The **Airborne Angels Task Force** is trained and equipped to deliver advanced medical and surgical care in disaster-affected zones.

As part of the operation, the **Indian Army** will **establish a 60-bed Medical Treatment Centre** to provide immediate care to those injured in the calamity.

WHY HAS INDIA UNDERTAKEN THIS?

This humanitarian assistance underlines India's commitment to its '**Neighbourhood First**' policy and the timeless Indian ethos of '**Vasudhaiva Kutumbakam**' – the world is one family.

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The Indian Army continues to stand shoulder to shoulder with friendly nations in times of crisis, reflecting India's resolve to be a first responder in the region.

The deployment has been coordinated closely with the **Ministry of External Affairs** and in partnership with authorities in Myanmar.



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MCQs

1. Consider the following statements wrt BISAG-N and mark the correct one:

1. BISAG-N is an autonomous scientific society registered under the Societies Registration Act, 1860.

2. It operates under Ministry of Science & Technology.

(A) Only 1

(B) Only 2

(C) Both 1 & 2

(D) Neither 1 nor 2



Ans. (A)

2. Where is BISAG-N headquartered?

(A) Ahmedabad

(B) Bengaluru

(C) Gandhinagar

(D) Hyderabad

Ans. (C)

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3. Which of these is correct about the PM Gati Shakti?

1. It is an infrastructure financing model.

2. Its platform is developed by BISAG.

(A) Only 1

(B) Only 2

(C) Both 1 & 2

(D) Neither 1 nor 2

Ans. (B)

4. Recently Operation Brahma was in news. What is it related to?

(A) Reconstruction & redevelopment in Myanmar post earthquake.

(B) Reconstruction & redevelopment in Thailand post earthquake.

(C) Medical assistance to Myanmar in the aftermath of earthquake.

(D) None of the above

Ans. (C)



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