



भारत सरकार
GOVERNMENT OF INDIA
भारतीय भूवैज्ञानिक सर्वेक्षण प्रशिक्षण संस्थान
GEOLOGICAL SURVEY OF INDIA TRAINING INSTITUTE
शैलिकी प्रभाग / PETROLOGY DIVISION
हैदराबाद / HYDERABAD

प्रशिक्षण घोषणा / TRAINING ANNOUNCEMENT

अयस्क शैलिकी पर पुनश्चर्या पाठ्यक्रम/Refresher Course in Ore Petrology

कार्य सत्र & मद संख्या / Field Season and Item Code: **FS 2024-2025 & M5REF/NC/TI_RHQ/2024/50416**

पाठ्यक्रम का उद्देश्य / Aim of the Course:

To impart training in petrological studies of ore minerals and to introduce the recent advances for the systematic study of ore deposit.

उद्देश्य / Objectives:

By the end of this refresher course, the participants will be able to:

1. Identify the ore minerals and interpret the primary & secondary textures of the ore minerals.
2. Identify and interpret the ore paragenesis
3. Understand the proper paragenetic sequence of a deposit in conjugation to its relation with the host rock would probably guide the geoscientist to plan suitable exploration strategy.

पाठ्यक्रम की अवधि / Duration of the Course: **06 Days (From 10-06-2024 to 15-06-2024)**

प्रतिभागियों का स्तर / Level of the Participants:

Geoscientists of the GSI, State DGMs and other exploration agencies and faculty/research scholar of academic institutions who are involved in the mapping and exploration / research activities with minimum 2-3 years of experience.

पाठ्यक्रम क्षमता / Course Capacity: The maximum number of participants that can be admitted to the Course is **20**.

पाठ्यक्रम के लिए नामांकन / Nominations for The Course

The ADG & HODs of all the Regions of GSI, and the Competent Authority of State DMGs and other Organizations are requested to kindly nominate Geoscientists for this training programme. All the participants are requested to ensure sending their nomination through the proper channel in the following format to petrology.gsiti@gsi.gov.in, GSITI, Hyderabad on or before **30-05-2024**.



Name	Designation	Employee Id.	Current place of Posting	e-mail Id	Mobile No. (WhatsApp)

नामांकन की स्वीकृति / Acceptance of the Nominations:

Geoscientists whose nominations are accepted by the GSITI shall be intimated through GSITI and GSI websites. No separate communication by email/post would be issued by GSITI and therefore Participants may see the website of GSITI/GSI regularly i.e. www.gsiti.gov.in and www.gsi.gov.in.

पाठ्यक्रम विषयसूची / Course Content:

- Basic Principles of Ore Microscopy: Episcopic Illumination, Reflected Light Optics
- Ore Mineral Identification: Qualitative and Quantitative methods
- Ore Mineral Textures: Primary and Secondary textures and its interpretation
- Paragenesis and its Significance
- Ore forming processes
- Ore Deposit Types
- Significance of Hydrothermal and wall rock alterations
- Introduction to Fluid Inclusion Geothermometry of Ores: Principles, types and its application
- Introduction to the concepts of mineral system.
- Applications of EPMA, SEM and LA-ICPMS studies in ore petrology
- Application of ore microscopy in Mineral Beneficiation

आवास / Accommodation:

GSITI has a modest hostel facility where rooms are available on twin sharing and first-come-first-served basis. Only course participants will be permitted to stay in the hostel. Participants are requested to apply through email for hostel facility only after acceptance of their nomination.

Contact: Dr. Srikanth D., Senior Geologist & Estate Officer, GSITI (email id: estate.gsiti@gsi.gov.in and Mobile: +91 8763570353).

संपर्क करें / Contact person:

श्री जे.के. अरविंद, वरिष्ठ भूवैज्ञानिक & संकाय, शैलिकी प्रभाग, जीएसआईटीआई, हैदराबाद. मो: +91 9966033200
Shri J.K. Aravind, Senior Geologist & Faculty, Petrology Division, GSITI, Hyderabad.

Asutosh Kumar Tripathy
09/05/2024

(Dr. ASUTOSH KUMAR TRIPATHY)

निदेशक / Director

शैलिकी प्रभाग / Petrology Division

कृते उप महानिदेशक व प्रमुख, मिशन- V / for DDG & Head, Mission-V

