



BIRBAL SAHNI INSTITUTE OF PALAEOSCIENCES

(An Autonomous Institution under Department of Science & Technology, Govt. of India)

53, UNIVERSITY ROAD, LUCKNOW-226 007

Fax No. 0522-2740098/2740485

Website: www.bsip.res.in

ADVERTISEMENT No. BSIP/Rec./08/2022

Applications are invited from Indian nationals for direct recruitment of the following technical posts:

1. Technical Assistant 'A' - (05 posts, 02 for UR, 01 for EWS, 01 for SC, 01 for ST)

Scale of Pay – Level 02, Rs.19,900–63,200 (Pre revised PB-1 Rs.5200-20200 + GP Rs.1900/-)

Age: 18-28 years.

Essential Qualification: High School with Science with 50% marks or equivalent recognized qualification with 50% marks in the aggregate. ITI certificate of 2 years duration in relevant trade OR 10 + 2 with Science with 50% marks or equivalent recognized qualification with relevant technical subjects with 50% marks in aggregate.

Desirable Qualifications/Specializations:

- Candidates having higher qualification i.e. Graduate in Botany/Geology/Chemistry/Physics and other allied subject.
- Working experience in Palaeobotany/ Paleontology/ Micropaleontology laboratories involving sample processing/ Maceration technique/Preparation of slides and other related work of fossil pollen and spores.
- Working experience to prepare a petrographic thin section of various types of rocks, minerals, petrified wood amber materials will be desirable.
- Hands-on experience in cutting, grinding, and polishing of Coal/Lignite/Hard Rocks/Soft Sediments will be considered as an added qualification.

2. Technical Assistant 'D' - (13 posts*, 06 for UR, 02 for EWS, 02 for OBC, 02 for SC, 01 for ST)

Scale of Pay – Level 05, Rs.29,200-92,300 (As per the 07thCPC)

Age : 18-28 years.

***Revised Vacancy of 13 Posts instead of 14 Posts with reference to the indicative advertisement published in the "The Time of India (all India Edition) and Dainik Jagran (all India Edition)" Newspapers dated 03.08.2022.**

Essential Qualification: 1st class B.Sc./B. Lib or recognized equivalent qualification/1st class Diploma in Engineering/Technology of 3 years full time duration or recognized equivalent qualification.

Desirable Qualifications/Specializations:

Area-1- Radiocarbon dating Laboratory

- Candidates having higher qualification in the relevant subject (Chemistry) with experience in working in Geochronology/ Radiocarbon dating / Isotope chemistry for the analysis for various stable and radio-isotopic measurements.
- Laboratory work involving sample preparation such as Benzene for conventional Liquid Scintillation Counting method and graphite targets for Accelerator Mass Spectrometry C-14 measurements.
- Chemical cleaning and processing of Archaeological/Geological/ Archaeological samples for their stable isotopic and radioisotopic measurements using sophisticated scientific instruments in academic /research institution.
- Experience in data processing using software packages like MS Word, Excel etc.

Area-2-Clumped Isotopes studies

- 1 or 2 years of working experience to handle Stable Isotope Ratio Mass spectrometry instrument and cryogenic systems.
- Well versed in IRMS method for Clumped and Trace isotope analysis
- Working experience on Instruments like IRMS, GC, GCMS, FTIR and other analytical supporting instruments etc.
- Good oral and written communication skills & knowledge of MS office etc.
- Theoretical knowledge and hand-on experience in cryogenic distillation.
- Experience in lab automation and systems development.

Area-3-Coal Lab

- Working experience on a coal petrographic microscope with maceral identification and analysis, Megascopic and Lithotype analysis, Preparation of coal petrographic pellets/blocks, Experience on various techniques utilized for coal analysis such as proximate analysis, ultimate analysis, infrared spectrometry etc. Working experience of a minimum of 02 years on the aforementioned subjects. Computer fundamental knowledge will be desirable.

Area-4- Organic Geochemistry

- Candidates having knowledge of advanced organic chemistry; quantitative analytical methods including computation, volumetric analysis; detection and identification of organic compound mixture; Natural products chemistry including isolation, purification and structural elucidation of terpenoids and steroids will be desirable.
- Candidates having 01 or 02 years' experience in isolation of organic compounds working experience on GC-MS, FID, FTIR detection and identification, knowledge of chromatographic techniques including column, thin layer, paper, HPLC, GC; Spectroscopic techniques such as AAS, FES, MS, Magnetic Resonance, IR; Computer fundamental knowledge will be desirable.

Area-5- Inorganic Geochemistry

- Working experience in Geological/Geochemical data acquisition and processing. Experience in Installation/ Maintenance of scientific instruments. Experience in instruments such as Nutrient auto analysers/Laser Particle Size Analyzer etc., and experience in sample preparations for XRF analysis (Solid samples/Powdered samples/Pellets/Fused beads preparation).
- Knowledge of advanced Inorganic Chemistry; quantitative analytical methods including computation, volumetric analysis; detection and identification.

Area-6- Website cum Information dissemination assistant

- Candidates having higher qualification preferably MCA or allied subject with knowledge of PHP web frameworks. Understanding of the fully synchronous behavior of PHP, MVC design patterns, object-oriented PHP programming or web server exploits and their solutions.
- Basic understanding of front-end technologies, such as JavaScript, HTML5, and CSS3. Understanding of accessibility and security compliance.
- Understanding of fundamental design principles behind a scalable application.
- Understanding of user authentication and authorization between multiple systems, servers, and environments along with integration of multiple data sources and databases into one system
- Understanding of SQL/My-SQL databases and their declarative query languages.
- Good writing and speaking (both in Hindi and English) skills to deal with social media.

Area-7- Knowledge Resource Centre (Library)

- Good Writing and oral communication skills in English.
- Sound working knowledge of Open Source Software applications such as Dspace and Koha.
- The relevant working knowledge of Reference Management Tools.
- Working experience in recognized academic and research institution with an exposure of work in a computerized Library system beside experience in innovative applications of ICT in library operations/services and management of e-resources including e-journal, e-books, etc.

Area-8- Museum

- Candidates having degree like B.A. in Museology or Post-graduation or higher degree in Museology having 1–2-year experience in handling museum collections in terms of curation, preservation, exhibition and any related aspects. Candidates should have written and verbal communication skills, including organizing exhibitions.
- Hands on training in dealing with museum databases and IT issues.
- Candidates should have ability to deliver popular lectures on the museum holdings and ongoing activities.
- Good computing skills (Data collection, Data entry, Data management) and knowledge of Museum collection management software.

Area-9- Palaeontology

- Candidates having higher qualification/degree in Palaeontology/Geology/Biology or similar degree that includes education and field training in palaeontology. Preferably having 1–2-year experience in handling paleontological material (in field or in the laboratory) in terms of excavating fossils, cataloguing fossil material, photo-documentation and laboratory preparation of fossils.
- Proficient in Hindi and/or English oral, reading, and writing
- Good computing skills (Data collection, Data entry, Data management)
- Preparation of illustrations and reports
- Good organizational skills, problem-solving, and critical thinking skills

Area-10- Electronics-Electrical-instrumentation

- Diploma/B.Tech/BE in analytical instrumentation or equivalent with experience in development and maintenance of scientific instruments and service of analytical instruments.
- Diploma/B.Tech/BE in Electronics Engineering or equivalent with experience in circuit board design and service.
- Diploma/B.Tech/BE in Electrical Engineering or equivalent with experience in handling air handling units and ACs.

Area-11- Herbarium

- Candidates having higher qualification/degree in Botany with specialization in Plant Taxonomy.
- Knowledge of plant identification/collection and conservation, specimen processing, herbarium maintenance, Handling of specimens (includes protocols in mounting, filing, sorting, and photographing).
- Experience/training in Herbarium techniques and curation from recognized government institutions/Universities and Experience in preservation of plant specimens, preparation of herbarium sheets, handling palynological slides and microscopic observation including Fundamental knowledge in plant taxonomy and classification system.
- Specialist skills in plant identification in tropical to temperate region and good understanding of plant systematics, taxonomy and nomenclature.

- Knowledge of xylarium with authentically identified Indian and foreign wood samples, with expertise to identify different timber species, skills in cutting and making permanent thin wood sections from plants for the xylarium.
- Skill in interpretation of data, publishing/reporting findings and making recommendations.

Area-12- Outreach and Scientific Coordination Assistant.

- The candidates having qualification/degree in Journalism/Mass Communication with experience of dealing scientific matter will be given preference.
- Experience of conducting surveys, field data collection, participation in awareness programs etc.
- Good Hindi and English communication skills in both verbal & written and well versed in spoken languages.

Area-13- Electron/X-ray Microscopy.

- The candidates having higher qualification/degree in Instrumentation Engineering/ Electronics Engineering/Physics/Radiologic Technology or similar degree that includes education and /or training in Electron/X-Ray Microscopy.
- 01 or 02 years experience in handling Scanning Electron Microscopy/X-Ray Microscopes/Micro-CT equipment.
- Proficient in Hindi and/or English oral, reading and writing.
- Candidates having working knowledge of Volume Graphics, Avizo or similar software.
- Good organizational skills, problem-solving, preparation of illustration and reports.

Age Limit:

For all posts, The crucial date for determination of the age limit shall be the closing date for receipt of applications from candidates, Provided that the age limit in respect of candidates belonging to reserved categories are subject to relaxation to the extent admissible under the orders of the Government of India, as applicable to Autonomous Bodies and as amended from time to time, and that the age limit shall not apply to the candidates appointed on contract/tenure basis, Provided that in case of applicants already in service in any of the funded Institutions under the Department of Science & Technology, Government of India, the relaxation of age limit up to a maximum of 5 years shall be admissible.

GENERAL CONDITIONS:

1. Mere fulfilling of the minimum advertised qualification and experience requirements DO NOT automatically entitle an applicant to be called for Written Test/Objective Test/Skill or Trade test.
2. All the applications received within the due date in response to this advertisement shall be considered for short-listing by a Screening Committee (The committee may decide an appropriate criteria for short-listing of the candidates) and ONLY the candidates recommended by the Screening Committee after the necessary approval of the Competent Authority, will be called for the Written Test/Objective Test/ Skill or Trade test. The decision of the Institute on short-listing will be final and the Institute will not entertain any correspondence in this regard.
3. The number of post (s) may increase or decrease. The Institute reserves the right not to fill up any of the posts, if it so decides without assigning any reasons.
4. Persons working in Central/State Government/Public Sector Undertaking/ Autonomous Bodies shall submit their applications through proper channel within due date.
5. Qualifications, experience and other requirements for any post may be relaxed/ upgraded by the Institute in the interest of Institute's requirements.
6. No application fee for SC/ST/PH/Women candidates. Other candidates are required to pay Non-refundable application fee of Rs. 500/- for the post through **ONLINE** Mode only. No other mode of payment of application fee is acceptable.

7. All Candidates belonging to SC/ST/OBC/EWS/PWD category shall produce the caste/category certificate in the prescribed proforma as per Government guidelines in the prescribed format from the Competent Authority empowered to issue such certificate along with originals for verification at the time of documents verification after successfully clearing the tests as mentioned in the S. No. 2.
8. Candidate may opt for maximum two areas in online application form.
9. The appointing authority will satisfy itself that the character and antecedents of the persons proposed to be appointed are such as not to render them unsuitable for appointment.
10. If at any time before or after the selection of a candidate, it is found that any information is suppressed or false; his/her selection shall be liable to be rejected or cancelled.
11. The selected candidates for various posts shall be liable for transfer among various Sections/Units of the Institute at the discretion of the Director.
12. Usual allowances as per rules of the Institute which are on the Government of India pattern are admissible for the post.
13. The Institute reserve the right to alter/insert any corrections/additions in the advertisement/website in the event of any typographical error before the last date prescribed for the receipt of applications.
14. The Competent Authority of Birbal Sahni Institute of Palaeosciences (BSIP), Lucknow reserves the right to reject any or all the applications without assigning any reason thereof.
15. In case of any disputes, any suites or legal proceedings against the Institute, the territorial jurisdiction shall be restricted to the Courts in Lucknow at District Court Lucknow and Lucknow Bench of Hon'ble High Court, Allahabad.

HOW TO APPLY:

1. Interested candidates should apply their application only **ONLINE** through the Institute website www.bsip.res.in under the section "Career".
 2. NO hard copy of the application is required to be sent by the candidates to BSIP, Lucknow.
 3. Canvassing in any form will be treated as disqualification. Interim enquiries will NOT be entertained.
 4. For any Technical and Administrative issues/support if any, the candidates may call on the following Mob./telephone no. from 09:30 AM to 05:45 PM:

For Technical issues/support:	i) +91 6394984077	
	ii) +91 7651988599	
For Administrative issues/support:	i) 0522- 2742956	}
	ii) 0522- 2742918	
- On working days between Monday to Friday only (except holidays)
5. The **Online Application Form** will be available w.e.f **08th August, 2022** and the closing date will be 28th August, 2022 (till 1700Hrs.).

REGISTRAR