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राष्ट्रीय भू-सूचना विज्ञान एवं प्रौद्योगिकी संस्थान

उप्पल, हैदराबाद, तेलंगाना - 500 039

NATIONAL INSTITUTE FOR GEO-INFORMATICS
SCIENCE & TECHNOLOGY
UPPAL, HYDERABAD, TELANGANA - 500 039

No. T- **1581** /14-C (BoS)
To

Dated the **01** July, 2024.
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The Surveyor General of India,
Dehra Dun.

The Addl. S.Gs.: Eastern Zone, Kolkata / Northern Zone, Chandigarh / Southern Zone, Bangalore / Western Zone, Jaipur / GRF & GDE Division, Dehradun.

The Directors,

Andhra Pradesh & Telangana GD, Hyderabad / Assam & Nagaland GD and TMMz, Guwahati / Assam & Nagaland GD and TMMz (TMMz Wing), Silchar / Jharkhand & Bihar GD, Ranchi / Bihar & Jharkhand GD (Bihar Wing), Patna / Odisha & Chhattisgarh GD, Bhubaneswar / Odisha & Chhattisgarh GD (Chhattisgarh Wing), Raipur / Gujarat, Daman & Diu GD, Gandhinagar/ Jammu & Kashmir GD, Jammu / Karnataka GD, Bengaluru / Kerala & Lakshadweep Island wing, Thiruvananthapuram / Madhya Pradesh GD, Jabalpur / Maharashtra and Goa GD, Pune / Meghalaya & Arunachal Pradesh GD, Shillong / Survey(Air) & Delhi GD, Delhi / Punjab, Haryana & Chandigarh & Himachal Pradesh GD, Chandigarh / Rajasthan GD, Jaipur / Tamilnadu, Pondicherry and Andaman & Nicobar GD, Chennai / Uttar Pradesh GD, Lucknow / Uttarakhand GD, Dehradun / West Bengal & Sikkim GD, Kolkata / GDE & DC, Dehradun / GRFD(Geodetic & Research Branch), Dehradun / Geographical Information System & Remote sensing, Hyderabad.

Sub: VOLUNTEERS FOR SELECTION OF FACULTY / INSTRUCTIONAL STAFF IN NIGST - REG.

Applications for the selection of Faculty / Instructional Staff for various vacancy positions in NIGST are invited as per details given vide Annexure - I enclosed herewith. All interested candidates are requested to submit the requisite details as per proforma enclosed vide Annexure-II. The proforma, duly filled in by the candidate should be checked, verified and recommended by concerned Head of GD / Zone and may please be forwarded to NIGST latest by **20th of August 2024** through e-mail (nigst.hyd@surveyofindia.gov.in), with out fail.

2. The Method of Screening (Annexure-III) and qualification criteria (Annexure -IV) being adopted for selection of Faculty / Instructional Staff positions duly approved by the competent authority are also enclosed herewith for information and circulation among all eligible candidates.

Encl: As above.

(Dr. M.K. STALIN)
Addl. S.G., NIGST

ANNEXURE - I

DETAILS OF TEACHING FACULTY POSITIONS FOR SELECTION PROCESS AT NIGST

S. NO.	POST	FACULTY OF Topo & GIS	FACULTY OF GEODESY	FACULTY OF P&RS	R & D Dte.	FACULTY OF GEO-ICT	TOTAL
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(10)
01.	SUPERINTENDING SURVEYOR	01	01	01	--	--	03
02.	OFFICER SURVEYOR	01	01	01	--	--	03
03.	SURVEYOR	03	03	02	01	01	10

Proforma for selection of Faculty / Instructional staff in NIGST

1. Name :

2. Designation :

3. Office :

4. Date of Birth / Date of Superannuation :

5. Educational Qualifications

(Starting from SSC / Matriculation onwards)

Sl. No.	Exam Passed	Name of the Board / University	Subjects	Percentage of Marks	Division

6. Professional Qualifications:

a. Training courses undergone in India

Sl. No.	Course Title	Name of the Institute	Year of Training

b. Training Courses attended abroad

Sl. No.	Course Title	Name of Institute	Year of training

7. Place of present posting and date of posting :
there to :
8. Date of Regular promotion to the present Post :
9. Name of the Faculty/ Faculties applied for
(may be more than one Faculty)
10. Area of Specialization :
11. Subjects of interest for teaching / practicals :
12. Previous teaching experience (if any) :
13. Brief Resume of work carried out during last 10 years
(separate sheet may be enclosed)
14. Brief write up bringing out any innovative work carried out by the candidate along with special achievements / contribution, experience in latest technology if any etc. and how the knowledge and experience gained by the candidate is applicable for the particular faculty of NIGST in about 200 words (separate sheet may be enclosed).
(Separate write ups for each faculty to be written, if applied for more than one faculty)
15. Write about your vision for NIGST:
(in about 200 words on separate sheet)

Signature:

Name & Designation of the candidate:

Verified by E & AO / DDO with signature & seal.

Recommendations of the concerned Head of GD / Zone as applicable.

Method of Screening

1. Candidates will apply in a prescribed proforma. The proforma will give relevant information on educational qualifications, courses undergone, work experience, special achievements of the candidate.
2. The screening will be done in 3 levels:

- a) **Level-1 Screening:** Those candidates, who do not fulfill the essential criteria, will be rejected.
- b) **Level-2 Screening:** Points will be awarded to candidates qualified in First Level Screening, based on desirable qualifications, work experience etc. Faculty-wise Merit lists will be prepared. Number of Candidates will be shortlisted depending on number of vacancies. (3 to 5 times of vacancies)

They will be called for Final Screening i.e. Demo lecture/interview for Officer Surveyors and above and Demo on instruments /software for Surveyors.

c) Final Screening (Demo-lecture / Interview)

Candidates will be given a list of topics related to his/her specialization or faculty applied, in advance. The candidates of the level of DD /SS / Officer Surveyor will have to take a Demo lecture on one of the topics for 30 minutes. They will be asked questions on that topic.

The candidates of the level of Surveyor will have to give a Demo on one of the Instruments or Softwares for 30 minutes and will be asked questions pertaining to the Demo.

An interview will also be held. Final merit list will be based on the points obtained in Level-2 screening + Final screening.

Qualification Criteria for Selection of Senior Faculty / Faculty / Instructors at NIGST

1. Superintending Surveyor :-

A. Essential:

1. Should have got 'Very Good' or Higher in all the APARs of last 3 years.
2. Should have at least 3 years remaining service.
3. After last tenure at NIGST, one must have completed at least 3 years cooling period.
4. The officers must have sufficient posting tenure of at least 3 years left at Hyderabad station so as not to violate Group 'A' officers transfer policy as followed in the department.

B. Desirable:

1. Master's Degree in Science or Engineering.
2. Advanced Course from NIGST or minimum 1 year duration advanced course from reputed institute in the field of Geodesy / Photogrammetry / Cartography.

C. Knowledge and Work Experience:

The responsibility of DSG / Director / DD / SS appointed as Senior Faculty in NIGST, is to deliver lectures on advanced subjects of his / her area of specialization in Geodesy, Photogrammetry, GIS etc. and on Modern computer based advanced instruments like GPS, Digital level, Field Data Collectors, Drone, LiDAR etc. and various software like Micro Station, Erdas, Arc GIS, QGIS, Bernese, Agisoft, Pix4D etc. used in the department.

The candidate applying for posting at NIGST must have a thorough knowledge of the subjects he /she is supposed to teach in NIGST. Besides this, he / she should also possess good teaching skill to deliver the lectures effectively. Apart from knowledge and teaching skills, he /she should also have work experience in his area of specialization.

2. Officer Surveyor:-

A. Essential:

1. Should have got 'Very Good' or Higher in all the APARs of last 3 years.
2. Should have at least 5 years remaining service.
3. After last tenure at NIGST, one must have completed at least 3 years cooling period before considering for the next posting.
4. The officers must have sufficient posting tenure of at least 3 years left at Hyderabad station so as not to violate the transfer policy as followed in the department.

B. Desirable:

1. Master's Degree in Science.
2. Advanced Course from NIGST or minimum 1 year duration advanced course from reputed institute in the field of Geodesy / Photogrammetry / Cartography.

C. Knowledge and Work Experience:

The responsibility of Officer Surveyor appointed as Faculty in NIGST, is to deliver lectures on advanced subjects of his / her area of specialization in Geodesy, Photogrammetry, GIS etc. and on Modern computer based advanced instruments like GPS, Digital level, Field Data Collectors, Drone, LiDAR etc. and various software like Micro Station, Erdas, Arc GIS, QGIS, Bernese, Agisoft, Pix4D etc. used in the department.

The officer has also to impart field training as well as in house training to the trainees. The candidate applying for this posting must have a thorough knowledge of the subjects he / she is supposed to teach in NIGST, apart from having good teaching skill to deliver the lectures effectively. Apart from knowledge and teaching skills, he / she should also have work experience in his/ her area of specialization.

3. Surveyor:-

A. Essential:

1. Minimum 5 years productive service experience after completion of basic training Course out of which at least 3 years productive field experience in GPS, Drone data acquisition, leveling using digital level and /or attribute data collection in the field using Tablets / FDC in case of Surveyor, 3 years productive experience in the field of Digitization.
2. Should have got 'Very Good' or Higher in all the APARs of last 3 years.
3. Should have at least 5 years remaining service.
4. After last tenure at NIGST, one must have completed at least 3 years cooling period.

B. Desirable:

1. Master's Degree in Science.
2. Any advance Course or any one of the course related to Control / Surveying / Photogrammetry / Digital Cartography from NIGST or minimum 2 months duration course from reputed institute in the field of Geodesy / Photogrammetry / Cartography.

C. Knowledge and Work Experience:

The responsibility of Surveyor appointed as instructor in NIGST, is to impart training in the office / field on various Surveying operations such as data collection by GPS receiver and its post processing, Digital level, Field Data Collection device, Drone survey etc. (any two) and in house activities viz. digitization, patterning, CYMK generation, feature extraction from mono / stereo satellite imageries / Aerial Photographs, map examination etc. as carried out in the department in his / her area of specialization. The candidate applying for this post must be well versed with the use of various field instruments as well as various in-house mapping operations on which he / she is supposed to impart training in NIGST.