Assam Science Technology and Environment Council

(An autonomous organization of Science, Technology and Climate Change Department, Govt. of Assam)

Bigyan Bhawan, G.S. Road, Guwahati - 781005

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Recruitment Notice

Applications are invited from Indian Citizens defined in Article 5 to 8 of the Constitutions of India for filling up of 5(five) posts of Junior Scientific Officers in "Assam Science Technology and Environment Council" (ASTEC) and 1 (one) post of Junior Scientific Officer in Assam State Space Application Centre (ASSAC) on direct recruitment basis in the scale of pay Rs.30,000.00 – Rs.1,10,000.00 (GP: Rs.12,700.00) as per following prescribed qualification, Division (Subject Category) and desirable experience:

	Science & Technology (for ASTEC) Category: A	Environment (for ASTEC) Category: B	GIS & Remote Sensing (for ASSAC) Category: C
Essential Qualification	M.Sc. in Physics/Chemistry/ Mathematics Or, B.E./B.Tech in Electrical Engg/Electronics/ Instrumentation Engg/Computer Science/B.Sc (Agri)/ MCA Or, any Equivalent Degree in the relevant fields from a recognized University/Institution .	M.Sc. in Environmental Science/Zoology/Botany/ Geography Or, BE/B.Tech in Environmental Engg./Civil Engg/Chemical Engg. Or, any Equivalent Degree in the relevant fields from a recognized University/Institution.	M.Sc/M. Tech in Geo informatics/Geomatics/ Remote Sensing and GIS or any Equivalent Degree from a recognized University/Institution. Or, BE/B. Tech Geo informatics /Geomatics/ Physical Sciences Or, any Equivalent Degree from in the relevant fields from a recognized University/Institution.
Desirable	2 years of experience in the relevant field after completion of essential education qualification. For Category C : working experience in Geo Web Services/SDSS/MWRS/IOT/AI/DP/Big Data Analysis/Programming/Coding in Python/Java/C/C++/VB etc.		
Reservation	UR- 2, ST(P) – 1, Total = 3 (For A)	UR- 1, SC – 1 Total = 2 (For B)	UR- 1 Total = 1 (For C)

Scale of Pay: Rs.30,000/- Rs.1,10,000 (PB4) with Grade Pay of Rs.12,700/- PM plus other allowances as per rules of Government.

Age: The candidates should not be less than 21 years and not more than 38 years as on 01-01-2021.

The upper age limit is relaxed by:-

- 5 years for SC/ST candidates i.e. up to 43 years
- 3 years for OBC/MOBC candidates i.e. up to 41 years
  as per Government Notification No ABP.6/2016/9 dated Dispur the 25th April, 2018.

There is no age limit for departmental candidates, if any.

Eligibility Criteria:

The candidate must be a permanent resident of Assam. As a domicile proof of the candidate, one of the documents viz. PRC/Voter ID card/Employment Registration needs to be enclosed.

N.B.: State Govt. employees of Assam need not submit any documents regarding domicile proof; however, they will have to submit No Objection Certificate (NOC) from their respective employer.

How to Apply:

Applicants are required to apply online through given link https://mobileapp.nesdr.gov.in/recruitment/astec-jso-2021 No other means /mode of application will be accepted and the Applications received through other means will be summarily rejected. While filling up the online application, candidates must mention their choice of Category.

In-service applicants must apply through proper channel. They also have to submit the application online and the scanned copy of forwarding letter has to be uploaded or to be submitted at the time of written test.

Scanned copies of documents to be attached along with the online application:
Proof of Age, Pass Certificate of the Qualifying Examination, Certificate against Reserve Category, Passport size photograph etc.

- Date of Written Test: The venue, date & time will be uploaded in the website - *www.astec.assam.gov.in*.
- No TA/DA will be provided for appearing in the Written Test or Viva Voce.
- Detail of the advertisement is available in *www.astec.assam.gov.in*.
- Applicant already in Government services should apply through proper channel.
- The **original documents of the candidate will be verified on the date of written test**
- They should bring all the original copies of their testimonials for verification purpose.
- Last date of submission of application is 30th December, 2021.

Recruitment Process:

- If a large number of applications are received screening will be done as per educational merit and only the shortlisted candidates will be called for written test.
- Selection process will be in two phases- (i) Written Test and (ii) Viva Voce. Written Test will be of 100 marks.
- The candidates called for *viva voce* have to make a PowerPoint presentation of 10 minutes on a scientific topic, which will be followed by interaction by the Selection Committee. A list of topics will be provided to the candidates selected for the viva-voce (along with the communication letter), out of which he/she can choose one topic from the list for presentation.
- Separate question papers for the written test will be given against different subject code as per following syllabus.
- Duration of the Written Test will be of **2 (two) hours.**

Syllabus:

Section I (30 marks) : Common to all: Current affairs, comprehension, science in daily life and science communication, test of reasoning.
Basic knowledge on geographical, environmental and natural resources of Assam, Sustainable Development Goals, Science and Society and India's scientific policies and resolutions; Science, Technology and Innovation set up in India (e,g. CSIR, ISRO, ICAR, GSI, BSI, ZSI, SOI, etc), Intellectual Property Rights.

Section II (70 marks) : Group A, or Group B, or Group C (According to Category A, B or C respectively)

Group A:
  Fundamentals of Basic Science based on HS (Science), Natural and Man-made Disasters, Data Science, Fundamental knowledge on digital equipment and IOT; Watershed Management, Climate Change and uncertainty.

Group B:
  Basic knowledge on Environment and Ecosystem; Global Warming and Climate Change; Biodiversity and Biodiversity Hotspots; Environmental Pollution; Freshwater eco-system and their management; Environmental Laws and EIA; Environmental Information System; Global Environmental Treaties; Climate change adaptation and mitigation; Environmental impacts of urbanization, mining, industrialization, etc.

Group C:
  Principles of Remote Sensing, platforms and sensors, photogrammetry, satellite data/image interpretation, Digital Image Processing, image enhancement techniques, thermal remote sensing, microwave remote sensing, Geographical Information System (GIS), spatial and non-spatial data base, Geo web services, mobile applications.

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Director
ASTE Council

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