Advertisement for recruitment of Technician post at Centre for Development of Telematics Advertisement No. CDOT/HR/REC/2025/02/01 dated 26-03-2025

Centre for Development of Telematics (C-DOT), is a telecom R&D centre of DoT, Govt of India. C-DOT has today emerged as a premier R&D organization in the indigenous design, development and production of telecom technologies.

C-DOT is looking for dynamic, experienced and qualified professionals who can contribute their best for the following vacant positions on direct recruitment basis:

Applications are invited (only online) for the following post to be filled by way of Direct Recruitment.

Name of Post	Technician
Level	Pay Level – 4 as per 7th CPC (Basic Pay Rs 25,500-Rs 81,100)
No. of positions	29
Place of Posting	Delhi / Bengaluru The candidates are likely to be posted in any location based on the organizational requirements.
Essential Educational Qualification	Full-time regular course with minimum 60% in Diploma or BE/BTech in Engineering/Technology with minimum 60% marks recognized by AICTE/Board of Technical Education/UGC/Govt of India in the following fields: Mechanical/ Information System/ Information Technology/ Electronics/ Electronics & Communication/ Electronics & Telecommunication/ Electronics & Instrumentation
Age	25 years as on the last date of submission of application as mentioned in advt. (Age Relaxation as per Govt rules)
Desirable Qualification	As per Annexure-II

IMPORTANT DATES:

A	Commencement of on-line Registration of application by candidates	26.03.2025
B	Last date for receipt of applications	30 days from the date of publishing in the Employment newspaper

C	Written test& Skill test	Will be communicated

NOTE : The candidates are advised to visit C-DOT website regularly for related notices/ information, Corrigendum/Extension etc. If any, shall be published in website www.cdot.in.

I.Age Relaxation :

1. Age relaxation will be given according to the Government of India norms.
2. The cut-off date for ascertaining the age will be Last Date of receipt of applications.
3. Candidate belonging to reserved categories should produce the certificates at the time of written test/before the joining date, issued by competent authority in the prescribed format as stipulated by Government of India, failing which such candidate's selection/appointment will be cancelled.

II.Qualification:

1. Wherever CGPA/OGPA or letter grade in a qualifying degree is awarded, equivalent percentage of marks should be indicated in the application form as per norms adopted by the respective University/Board. Please obtain a certificate to this effect from University / Institute/Board, which shall be required at the time of joining.
2. Exact percentage should be mentioned in percentage of marks column. e.g. 59.9% should NOT be rounded off to 60%.

III.Selection Process:

1. **Mode of Selection:** - Written test. There may also be a Skill test if deemed necessary.Management reserves the right to change/modify the selection process at any time, during the process, at its discretion. The decision of the management will be final and binding.
2. The qualification prescribed is the minimum requirements and possession of the same does not automatically make the candidates entitled to be called for Written/Skill test. The screening of applications will be based on the academic and other parameters given in the advertisement and only those screened-in will be considered for further selection process.
3. The management reserves the right to increase the minimum eligibility criteria/cut off limits, in the event of the number of applicants more, for any post(s) at its discretion.

IV.Written Test Details:

1. Paper will be of 100 marks with duration of 90 minutes total. The syllabus for the written exam will be as per Annexure-I.

2. The final merit will be based on the written test marks. However, in case of conduct of skill test, it will be of a qualifying nature for the final result.
3. The question paper will be objective in nature.
4. The Written test/skill test dates will be communicated to the candidates through email only to the email id mentioned in the application form.
5. The Management has the right to make any changes in the selection criteria and its decision will be final and binding.

V.How to apply:

1. The candidate will have to submit the application on our website www.cdot.in. Before filling the online application form, Candidates should read 'General Terms and Conditions' carefully.
2. Candidate should read all the eligibility parameters and ensure that he/she is eligible for the post before starting to apply online.
3. Candidate should have a valid email id and mobile number which should remain valid & active till the completion of selection process.
4. Fill all the details in the application form at the appropriate places. The preferred location for the written exam centre (Delhi, Bengaluru, Bhopal, Mumbai and Kolkatta) is to be selected. However, the final decision of the exam centre will be made by the organization and the details will be intimated to the applicant.
5. After filling all the details in online application form click on 'Submit' button.
6. Candidates can take a print of the application form and keep it with them for their own records.
7. No hard copy/printed applications should be sent to C-DOT. Incomplete and defectively filled up forms shall be rejected straightway and no subsequent correspondences will be entertained in this regard.
8. Candidate working in Government/PSUs/Govt. Autonomous bodies can apply online but also upload 'No objection certificate (NOC)' from their current organization along with the application form.

VI.Important Notes:

1. In case of any ambiguity/dispute arising on account of interpretation in version other than English, English version will prevail.
2. Canvassing in any form will be a disqualification for selection.
3. Candidates are not required to send printout of application or any other documents in hard copy to C-DOT.
4. Written test Call Letters, other correspondences (if any) etc. will be sent to candidates only to the registered email id provided in their online application. No hard copy will be sent.
5. Mere issue of written test call letter will not imply acceptance of candidature.
6. All queries pertaining to recruitment including selection process should be addressed to our Recruitment Team only through hrdblr@cdot.in.
7. Number of vacancies may increase/decrease based on the final assessment and such changes will be made by C-DOT without any notice.

8. C-DOT reserves the right to cancel or introduce any examination/other selection process. C-DOT also reserves the right to cancel/restrict/curtail/enlarge the recruitment process and/or the selection process without any notice and without assigning any reasons thereof.

9. All the posts will be filled as per the rules of C-DOT. Pay protection will be given to candidates from Govt/PSU/Autonomies bodies subject to verification of all documents.

10. It is the responsibility of the candidates to assess his/her own eligibility for the post for which he/she is applying in accordance with the advertisement. In case, it is detected at any point of time in future during process of selection or even after appointment that candidate was not eligible as per prescribed qualification, experience etc, which could not be detected at the time of selection due to whatever circumstances, his/her candidature/appointment shall be liable to be cancelled/terminated as case may be.

11. C-DOT reserves the right not to fill up some or all the posts advertised, if the circumstances so warrant.

12. In case of any dispute/ambiguity that may occur in the process of selection, the decision of the organization shall be final. Interim correspondence will not be entertained and replied to.

13. All the candidates shall produce self-attested copies of all the certificates (educational/caste/experience) along with originals for verification at the time of written test/skill test/interview. **No Travelling Allowance (TA) shall be paid to the candidates for attending the written test & Skill test.**

14. The organization reserves the right not to fill up any or all advertised posts; cancel the advertisement in whole or in part without assigning any reason. The decision of the Institute in this regard shall be final. The organization strives to have a workforce, which reflects gender balance, and women candidates are encouraged to apply. Decision of the organization in all matters relating to the eligibility of the candidate, skill/written test and selection shall be final and binding on all the candidates. No correspondence or personal inquiries shall be entertained.

15. The above appointment would be against positions sanctioned by the competent authority, in regular vacancies, available at C-DOT subject to the applicable provisions of Bye laws and other applicable rules. All selected candidates shall be appointed on contract basis for a period for five years and will include a probationary period (normally 1 year). The contract will be renewed based on satisfactory performance review for further periods of five years at a time, till attaining the age of superannuation (present superannuation age being 60 years, as amended from time to time by the governing council) or the dissolution of the society.

16. Any legal dispute arising out of the advertisement may be challenged in the high court of Delhi/Bengaluru.

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Annexure-I to Advertisement No. CDOT/HR/REC/2025/02/01 dated 26-03-2025

SYLLABUS FOR WRITTEN EXAM

NOTE : The candidate may be placed in any group or location based on the requirement of the Organization

1. **MECHANICAL STREAM**

Part - I	• Metrology and Measurement Systems (Vernier Calipers, Micrometers, Wire Gauge, Slip Guage, etc.)
	• Workshop Technology (Lathe operations, Drilling, Filing, Machine Operations & Maintenance Aspects)
	• Engineering Materials (Metals, Plastics) & Commercial Alloys (Practical Aspects)
	• Production & Manufacturing Technology (Fundamentals of Sheet Metal Fabrication, Milling, Extrusion, Additive Manufacturing/Rapid Prototyping, Plastic Injection Molding, Pressure Die Casting, Jigs & Press Tools, Welding/Riveting/Joining & Fastening, Electroplating, Finishing) - (Practical Aspects)
	• Strength of Materials (Fundamentals)
	• Engineering Drawing & Drafting (Fundamentals)
	• Mechanical 3D and 2D CAD (Fundamentals)
	• Screw Thread Drawing conventions
	• Isometric and Orthographic Drawing Projections
	• Layout and Designations of Drawing sheeets
	• Types of Dimensioning
	• Safety Systems in Industry
	o Work Permit System
	o Safety Equipment
	o Personal Protective Equipment (PPE)
Part - II	• General Aptitude Test (Viz.
	o General Knowledge
	o Logical Reasoning
	o Current Affairs
	o Visual Reasoning
	o English Comprehension
	o Mathematics)

2. **ELECTRONICS / ELECTRONICS & COMMUNICATION/ ELECTRONICS & TELECOMMUNICATIONS/ ELECTRONICS& INSTRUMENTATION**

Part I	- Basics of Networking and Network Devices such as, Router, Switches, Modems - Motherboard, CPU, Memory - Electrical Wiring and Jointing - Basics of Communication systems — Wired and Wirelesssystems, OFC, Microwave etc. - UPS & Batteries - Basics of Power Electronics such as rectifiers, DC/AC converters etc. - GPRS, GSM, 3G, 4G, 5G - Mobile and other Wireless Device (walkie talkie etc.) Communication - Basic Analog Electronics - Digital electronics Basics - Semiconductors Basics - Transistors Basics - Instruments and measurements Basics - Computer and microprocessor Basics - Amplifiers and oscillators - PCB Design Fundamentals - Electronics Assembly & Process - Safety Systems in Industry - Work Permit System - Safety Equipment - Personal Protective Equipment (PPE)
Part II	- General Aptitude Test (Viz. - General Knowledge - Logical Reasoning - Current Affairs - Visual Reasoning - English Comprehension - Mathematics)

3. INFORMATION SYSTEM /INFORMATION TECHNOLOGY

Part I	- Basics of computer hardware and maintenance - CPU, motherboard, memory, primary and secondary storage, peripherals - Operating System and Administration - Microsoft Windows & Linux concepts - Computer Networks - OSI Model - Basics of networking – Ethernet, network devices like routers, switches, firewall - Database system concepts & SQL - Python programming & scripting languages - Cloud computing - Virtualization & hypervisors - Virtual servers - Dockers and containers - Kubernetes - Cyber security - Types of malware - Types of cyber attacks - Methods of data protection - Communication systems and technologies - Wired networking – OFC, copper - Wireless communication - Basic knowledge of GSM, 3G, 4G, 5G - AI and Data Science - Types and goals of AI - How AI works - Applications of AI
Part II	- General Aptitude Test (Viz. - General Knowledge - Logical Reasoning - Current Affairs - Visual Reasoning - English Comprehension - Mathematics)

Roles and Responsibilities/ Desirable Experience

NOTE : The candidate may be placed in any group or location based on the requirement of the Organization

1. **Documentation Group :**
   - Working knowledge in generating 2D drawings of electro mechanical modules using Autocad and also knowledge in generating product 3D models using 3D Solidworks
   - Knowledge in graphic design software for generating Poster / Brochure/ Banners using Photoshop, Corel Draw, Adobe Illustrator.
   - Experience in Computer operations, specially in Autocad / 3D solidworks is preferred.
   - Knowledge of English is necessary

2. **Electronic Packaging Group:**
   - Perform necessary pre-operation activities to ensure proper Equipment start up and operations
   - Basic Knowledge of SOPs, JSA, HRA, Hazards, Operational Controls
   - Operate/Monitor multiple pieces of Equipment during Operation to ensure quality Production and minimum unplanned Stops.
   - Hands on experience with Machine operating and Production lines, learning how to operate different machines involved with Production/Repair.
   - Ability to read Manuals, Handbook, Drawings and Instructions.
   - Monitor and Control Machine Performance and Settings
   - Operate all types of Metal Working Machineries (Milling, Drilling, Lathe, Shearing etc.)

3. **Stores Group:**
   - Perform a variety of shipping/receiving, stocking activities.
   - Store and distribute supplies.
   - Maintain inventory and stock records and perform related work as required.
   - Basic knowledge of computer applications like MS Office and email tools.

4. **CAD Group :**

   - Creation of component symbols and footprints for PCB design (using CAD tools from Cadence Allegro or Siemens Expedition).
   - PCB design and Component (symbol and footprint) creation using CAD tools.
   - Certification testing and report preparation for PM-WANI App and PDOA vendors.
   - General maintenance of Lab and interaction with vendors for queries during testing.

- Basic knowledge of electronic components and circuits and basic computer literacy is preferred.
- Experience with any PCB design tool would be an additional advantage.

5. **Pilot Production and Manufacturing /ToT Group:**

- Card and system assembly works.
- Hand soldering, manual assembly and repair of sophisticated and minute electronic components like 0402 resistors and complex BGAs.
- Component inspection using AOI and Pick & Place machine.
- Knowledge of Industry standard Electronic components and various packages like SMD, BGA, QFN, TQFP etc.
- Good skill in soldering techniques of fine pitch components.
- Knowledge of Multilayer PCBs.
- Knowledge of Assembly equipment viz. Automatic Optical Inspection Equipment (AOI), BGA-Rework Station, Automated Pick and Place Machine, Latest soldering equipment, PCB cleaning, Electro-static Safety etc.,
- Working knowledge of Cable assembly and System Assembly and Electronic Assembly tools.
- Basic Knowledge of Electronic Testing and Measuring Equipment viz. Oscilloscopes, LCR Meters, Logical Analyzers.
- Hand and eye co-ordination is a basic requirement.
- Experience in EMS industry is preferred

6. **4GRAN Manufacturing test and Automation:**
- Working knowledge of Board Design.
- Testing
- Knowledge of CAD tools.
- Technical Documentation and related areas

7. **Technical Services Group: CSG/Networks**
- Maintain Computing Systems, Data centre, Network devices.
- Responsible for internal system security as well as securing at the perimeter of our networks.
- Travel to ISP and Vendor sites for project implementation/maintenance.