### **RITES LIMITED**

(A Govt. of India Enterprise) Shikhar, Plot No. 1, Sector – 29, Gurgaon – 122001



# Recruitment of professionals on regular basis

RITES Ltd., a Mini Ratna Central Public Sector Enterprise under the Ministry of Railways, Govt. of India is a premier multi-disciplinary consultancy organization in the fields of transport, infrastructure and related technologies.

RITES Ltd. is in urgent need of dynamic and hard working professionals as under:

VC No.	Doct	No. of Vacancies					
VC NO.	Post	UR	EWS	OBC (NCL)	SC	ST	Total
52/23	Engineer (Electrical)	1	-	1	1	1	4*
53/23	Engineer (S&T)	2	1	1	2	-	6*

<sup>\* 1</sup> post each reserved for PwD category on horizontal basis in each of the asterisked vacancies Category wise and post wise details of 2 vacancies reserved for Persons with Benchmark Disabilities (PwBDs) is given below:

VC No.	Post	Reserved for identified categories of Persons with Benchmark Disabilities (PwBDs)				
		Cat-a	Cat-b	Cat-c	Cat-d&e	Total PwBD
52/23	Engineer (Electrical)	-	1	-	-	1
53/23	Engineer (S&T)	-		1	-	1

# **Age Limit**

Maximum Age	<b>Cut-off date for calculation of Age</b>
32 Years	01.03.2023

# **Minimum Qualifications & Experience**

VC No	Designation & Pay Scale (Rs.)	Minimum Qualification*	Minimum post - qualification experience
52/23	Engineer (Electrical) (Rs. 40, 000 –1, 40, 000)	Full time Bachelor's degree in Electrical / Electronics /Power Supply/ Instrumentation and Control/ Industrial Electronics/Electronics & Instrumentation/Applied Electronics/ Digital Electronics/Power Electronics Engineering or any of the above combination in part or wholes	2 Years

# **Experience is defined as under:**

Candidates should have post qualification experience of minimum 2 years in one or more of Electrical engineering fields such as railway electrification /general electrical installations / site supervision/ power distribution/ electrical machines and construction/ maintenance of electrical equipment in buildings.

VC No	Designation & Pay Scale	Minimum Qualification*	Minimum post -
VCIVO	(Rs.)	Willimani Qualification	qualification

			experience
53/23	Engineer (S&T) (Rs. 40, 000 –1, 40, 000)	Full time Bachelor's Degree in Electronics / Electronics & Telecommunication / Electronics & Communication / Electronics & Electrical / Electronics & Instrumentation Engineering /Computer Science/ IT/ Computer Engineering or any of the above combination in part or whole	2 Years

### **Experience is defined as under:**

Candidates should have total post qualification experience of minimum 2 years of working in Signal & Telecommunication construction projects dealing with installation / testing and commissioning of SSI/ EI/ RRI/ PI of Indoor and Outdoor of Signal & Telecommunication gears for Indian Railways, Metros, Railway sidings/ PSU Railway sidings/ Private sector railway sidings.

\*Candidates belonging to UR/EWS category (and candidates belonging to SC/ST/OBC(NCL)/PWD applying against unreserved posts) should have first class degree/ minimum 60% marks in Minimum Qualification for consideration against unreserved posts.

Reserved category candidates (SC/ST/OBC(NCL)/PWD as applicable) should have at least 50% marks in Minimum Qualification for consideration against reserved posts.

Educational Qualification shall be as on 01.03.2023.

### **Note for Educational Qualification:**

The candidate should possess Degree recognized by AICTE; from a University incorporated by an Act of Central or State legislature in India or other Educational Institutions established by an Act of Parliament or declared to be Deemed as University under Section 3 of the University Grants Commission Act, 1956. Sections A & B examination of the Institution of Engineers (India) which is treated as equivalent to Degree by Govt. of India, and recognized by AICTE shall also be accepted.

# **Selection Process**

On the basis of applications received, eligible candidates will be required to appear in the written test (Off-Line/On-Line). The candidates may be shortlisted for selection on the basis of performance in the written test. The company reserves the right to shortlist the number of candidates for selection out of eligible candidates. Due to prevalent pandemic situation, based on the requirement and discretion of RITES, selection process may be conducted online.

Based upon the performance in the Written Test and fulfilling the conditions of eligibility; candidates shall be shortlisted for Interview.

The weightage distribution of various parameters of the selection shall be as under:

Experience - 5% Written Test - 60% Interview - 35%

(Technical & Professional proficiency - 25 %; Personality Communication & Competency - 10%)

Total - 100%

A minimum of 50% marks for UR/ EWS (45% for SC/ST/OBC (NCL)/PWD against reserved posts) in written test and a minimum of 60% marks for UR/ EWS (50% for SC/ST/OBC (NCL)/ PWD against reserved posts) in interview will be required to enable the candidate to be considered for placement on panel. There will be no minimum qualifying marks required in the aggregate.

There will be 125 objective type question carrying one mark each for a duration of 2.5 Hours. There will be no negative marking system applicable and therefore, no marks will be deducted in case of incorrect answer.

Appointment of selected candidates will be subject to their being found medically fit in the Medical Examination to be conducted as per RITES Rules and Standards of Medical Fitness for the relevant post.

Candidates have the option to appear for interview either in Hindi or English.

#### **Relaxations & Concessions**

Reservation/ relaxation/ concessions to EWS/ SC/ST/OBC (NCL)/PWD/ Ex-SM/ J&K Domicile would be provided against reserved posts (where applicable) as per extant Govt. orders.

Relaxation in upper age limit to OBC (NCL)/ SC/ ST candidates shall be provided against reserved posts as per extant Govt. orders.

RITES regular/contract employees fulfilling the educational qualification and experience criteria shall be given age relaxation of 5 years, over and above the upper age limit indicated above.

PWD candidates suffering from not less than 40% of the relevant disability shall only be eligible for the benefit of PWD. Such PWD candidates shall be eligible for relaxation of 10 years in upper age limit.

PWD candidates will have to meet the Physical Requirements and Functional Classifications which have been identified for the post as under:

Post	Category for which identified	Functional Classification	Physical Requirements
Engineer (S&T)	Locomotor disability	OA, OL, Leprosy Cured, Acid Attack Victims	S, ST, BN, W, SE, MF, C, R, W & RW

Post	Category for which identified	Functional Classification	Physical Requirements
Engineer	Locomotor disability	OA, OL, Leprosy Cured, Acid Attack Victims	S, ST, BN, W, SE, MF,
(Electrical)	Hearing Impairment	НН	C, RW, KC, CL, JU, H

Persons with Disabilities belonging to the category/ categories for which the post is identified (as indicated in Table above) can also apply even if no vacancies are specifically reserved for them. Such candidates will be considered for selection for appointment to the post by general standard of merit.

Functional Classification:

**Physical Requirements:** 

Code	Functions
ОН	Orthopaedically Handicapped
VH	Visually Handicapped
НН	Hard of Hearing
OL	One leg
OA	One arm
BA	Both Arms
ВН	Both Hands
MW	Muscular Weakness

OAL	One arm one leg
BLA	Both Legs and Arms
BLOA	Both Legs one Arm
LV	Low Vision
В	Blind
PD	Partially Deaf
FD	Fully Deaf
BL	Both legs
D	Dwarfism
СР	Cerebral Palsy
LC	Leprosy Cured
AAV	Acid Attack Victims
MD	Multiple Disabilities

Code	Physical Requirements	
S	Sitting	
ST	Standing	
W	Walking	
SE	Seeing	
Н	Hearing/ Speaking	
RW	Reading and Writing	
С	Communication	
MF	Manipulation by fingers	
PP	Pulling & Pushing	
L	Lifting	
KC	Kneeling & Crouching	
BN	Bending	
М	Movement	
JU	Jumping	
CL	Climbing	

The above lists are subject to revision.

# **Nature & Period of Engagement**

The appointment will be initially on probation for a period of one year.

Selected candidates shall be liable for posting to any place in India as per requirements of the Company.

Candidates will be required to clear the screening test for confirmation of their services at the end of the probation period. Those who fail to qualify in the screening test, their probation period may be extended, and further action taken in accordance with the policy of the Company.

Candidates may also note that no application of an employee would be forwarded for jobs outside until he/ she completes 2 years of service in the Company.

# Remuneration

The pay would be fixed at the minimum of the scale. Candidates from Government Departments/ PSUs are eligible for protection of their Basic Pay in accordance with the policy of the Company. In addition to Basic Pay candidates would be paid DA, Fixed/variable allowances as applicable to the scale, Performance Related Pay, Medical facilities, HRA/Lease accommodation, attractive superannuation package consisting of contribution to PF, Gratuity as per Gratuity Act and Post Retirement Medical Scheme. Other benefits would be as under:

- a) Leaves as per leave rules
- b) Maternity Leave/ Paternity Leave
- c) Medical facility.
- d) Group Insurance.
- e) Leave Encashment.

As per company rules applicable to Regular employees.

The approximate emoluments at the minimum of the pay-scale for Engineer (Electrical) and Engineer (S&T) are ₹ 13.60 LPA.

Remuneration mentioned above is only indicative. Actual remuneration shall depend upon place of posting and other terms & conditions of appointment.

#### Fees

The candidates will have to deposit the under mentioned amount of fees during online application:

Category	Fee
General/OBC Candidates	Rs. 600/- plus Taxes as applicable
EWS/ SC/ST/ PWD Candidates	Rs. 300/- plus Taxes as applicable

For any difficulty/ queries regarding fee payment, candidates may contact on following only:

Helpdesk No: 011 - 33557000, Extension Code - 13221

Helpdesk e-mail id: pghelpdesk@hdfcbank.com

#### Note:

- a) Candidates should note that the fee submitted through any other mode except the mode specified, will not be accepted by RITES and such applications will be treated as without fee and will be summarily rejected.
- b) Persons with disabilities are given concession in the fee provided they are otherwise eligible for appointment. A PWDs candidate claiming age relaxation/fee concession will be required to submit along with their Detailed Application Form, certified copy of the PWD certificate as per latest GOI format.

### **How to Apply**

- 1. Before applying candidates should ensure that they satisfy the necessary conditions and requirements of the position.
- 2. Interested candidates fulfilling the above laid down eligibility criteria are required to apply online in the registration format available in the Career Section of RITES website, http://www.rites.com.
- 3. While submitting the online application; the system would generate 'Registration No.' on top of online form filled up by the candidate. Note down this "Registration No." and quote it for all further communication with RITES Ltd.
- 4. While filling up the required details, candidates are advised to carefully and correctly fill the details of "Identity Proof". Candidates are also advised to note the same and ensure the availability of the same Identity Proof as it will be required to be produced in original at later stages of selection (if called).
- 5. After filling up the required details under the "Fill/ Modify Application Form", click on "Make payment". The payment details show the amount to be paid to the bank based on your category.

Applications without successful fee payment shall be treated as incomplete and shall be summarily rejected.

- 6. A copy of this online **APPLICATION FORM** containing the registration number is to be printed, signed, and furnished online, along with **SELF-ATTESTED SCANNED COPIES** of the following documents in the given order only (from top to bottom):
  - a. 2 recent passport size colour photographs
  - b. High School certificate for proof of Date of Birth
  - c. Certificates of Academic & Professional qualifications and statements of marks of all the qualifications for all semesters/years (Xth, XIIth, Diploma/ Graduation/ Post-Graduation as applicable)
  - d. EWS/ SC/ST/OBC Certificate in the prescribed format by Govt. of India (if applicable)
  - e. Proof of Identity & Address (Passport, Voter ID, Driving Lisence, Aadhaar Card etc)
  - f. PAN Card

- g. Proof of different periods of experience as claimed in the Application Form (if applicable)
- h. Any other document in support of your candidature
- i. PWD Certificate as per latest format (if applicable).

All the above documents are to be uploaded on the RITES Website under career section; within the date specified for the purpose.

The scan copy of the documents should be of good quality and clearly visible.

- 7. Please attach copies of experience certificates from your previous employment in respect of claims made by you in your application. In respect of current employment, experience certificate/joining letter along with last months' salary slips, or, Form 16 and other documents which clearly prove your continuity in the job are to be attached. In case your claim is not established from the proofs submitted by you; your application is liable to be rejected. Please check your claims and certificates submitted by you carefully. Incomplete application, or, insufficient proof would entail rejection of your application. No claims would be entertained at a later stage.
- 8. For proof of CTC/ salary, candidates shall have to submit a copy of their last Form No. 16/ Earning Card/ salary slip/ Appraisal letter/ any other suitable document.
- 9. Community certificate (SC/ST/OBC) should be in the format prescribed by Government of India only. OBC candidates included in the Central List with certificate not more than 12 months old (with clear mention of candidate not belonging to "Creamy Layer") in the GOI prescribed format only will be considered for the posts reserved for OBC. EWS certificate should also be as per Gov. of India format
- 10. Hard copies of documents are not to be sent to this office through post/ courier. Documents are to be uploaded on RITES Website through portal only.
- 11. The candidates are also advised to keep a copy of Application Form submitted with them and to carry the same at the time of the Interview (if called).
- 12. Candidates who have registered online but whose application along with aforesaid documents is not received online on or before the due date, their candidature may not be considered. The company reserves the right to consider only such applications which are received online by the prescribed date.
- 13. Applications received after the last date of receipt of Application Form and documents shall be rejected. RITES Ltd. does not bear any responsibility for any delay in post/courier for any reason whatsoever.
- 14. The **original testimonials/documents along with one self-attested copy** will have to be produced by the candidate(s) at the time of interview (if called).
- 15. Departmental Candidates of RITES are required to apply online and submit their hard copy through proper channel.
- 16. Candidates working in Government Departments/ PSU are required to apply through proper channel. The candidates who apply directly would have to bring NOC from their employer at the time of Interview (if called) so as to consider their claims under technical resignation category
- 17. Candidates not fulfilling the minimum laid down criteria advertised with respect to educational qualifications, age, and experience for selection to the respective post, would not be able to register online.
- 18. Candidates should submit only one application for one vacancy and application once submitted cannot be altered. A valid e-mail ID is essential for submission of the online application. RITES will not be responsible for bouncing of any e-mail sent to the candidates. However, candidates can apply for any number of vacancies.

- 19. The candidates must submit all the details pertaining to his candidature viz. personal details, educational qualification details, experience details, category etc. Suppression, in this regard, if any, detected on a future date shall render the candidature liable for forfeiture.
- 20. If any claim made by a candidate is found to be incorrect, his/her candidature shall be summarily rejected.

### Venue & Time

S. No.	Selection Round	Venue & Date	
1	Written Test	6 different locations across India*	
		(Exact address shall be communicated to the	
		candidates later)	
2	Interview (Subject to performance in Written Test)	Venue for the Interview shall be communicated to shortlisted candidates	

Candidates are required to give two preferences for their choice of center for the Written Test at the time of online application. Although efforts shall be made to allot a center of choice to the candidates, however RITES reserves the right to allot to a candidate a center which was not indicated as his preference.

Test Centers for Written Test\*:

S. No.	City	
1	Delhi/Gurgaon	
2	Kolkata	
3	Chennai	
4	Mumbai	
5	Hyderabad	
6	Nagpur	

<sup>\*</sup>All centers except Delhi/ Gurgaon are tentative and will depend on number of candidates and discretion of RITES.

Exact Date, time and details of venue of the selection shall be communicated to shortlisted candidates.

# **Syllabus for Written Test**

# VC No. 52/23- Engineer (Electrical)

## Unit-1 Electric Circuits and Fields:

Network graph, KCL, KVL, node and mesh analysis, transient response of Ac and Dc networks, sinusoidal steady-state analysis, resonance, basic filter concept, ideal current and voltage sources, Thevenin's Norton's and Superposition and Maximum Power Transfer theorems, two-port networks, three phase circuits, Gauss Theorem, electric field and potential due to point, line, plane and spherical charge distributions, Ampere's and Biot-Savart's laws, inductance, dielectrics, capacitance.

## Unit-2 Signals and Systems:

Representation of continuous and discrete-time signals, shifting and scaling operation, linear, time-invariant and causal systems, Fourier series representation of continuous periodic signals, sampling theorem, Fourier, Laplace and Z transforms.

Unit-3 Electrical Machines:

Single phase transformer – equivalent circuit, phasor diagram, tests, regulation and efficiency, three phase transformers – connections, parallel operation, auto-transformer, energy conversion principles; DC machines – types, windings, generator characteristics, armature reaction and commutation, starting and speed control of motors, three phase induction motors – principles, types performance characteristics, starting and speed control, single phase induction motors, synchronous machines – performance, regulation and parallel operation of generators, motor starting characteristics and applications; servo and stepper motors.

# Unit-4 Power Systems:

Basic power generation concepts; transmission line models and performance, cable performance, insulation, corona and radio interference, distribution systems, per—unit quantities, bus impedance and admittance matrices, load flow, voltage control, power factor correction, economic operation, symmetrical components, fault analysis, principles of over-current, differential and distance protection, solid state relays and digital protection, circuit breakers, system stability concepts, swing curves and equal area criterion, HVDC transmission and FACTS concepts.

Unit-5 Control Systems:

Principles of feedback, transfer function, block diagrams; steady-state errors, Routh and Niquist techniques, Bode plots, root loci, lag, lead and lead-lag compensation, state space model, state transition matrix, controllability and observability.

#### Unit-6 Electrical and Electronic Measurements:

Bridges and potentiometers, PMMC, moving iron, dynamometer and induction type instruments, measurement of voltage, current, power, energy and power factor, instrument transformers, digital voltmeters and multimeters, phase, time and frequency measurement, Q-meters, oscilloscopes, potentiometric recorders, error analysis.

## Unit-7 Analog and Digital Electronics:

Characteristics of diodes, BJT, FET, amplifiers – biasing, equivalent circuit and frequency response, oscillators and feedback amplifiers, operational amplifiers – characteristics and applications, simple active filters, VCOs and timers, combinational and sequential logic circuits, multiplexer, Schmitt trigger, multi-vibrators, sample and hold circuits, A/D and D/A converters, 8-bit microprocessor basics, architecture, programming and interfacing.

## Unit-8 Power Electronics and Drives:

Semiconductor power diodes, transistors, thyristors, triacs, GTOs, MOSFETs and IGBTs – static characteristics and principles of operation, triggering circuits, phase control rectifiers, bridge converters – fully controlled and half controlled, principles of choppers and inverters, basis concepts of adjustable speed Dc and Ac drives.

Unit-9 Application/utilization of Electrical Energy

Properties of Electrical System: Characteristics/properties of electrical systems/equipment/devices used in institutional building/commercial complexes/residential complexes/workshops/engineering industry etc. including General Electrification, Area Lighting, Sub-Station, DG Set, Solar system, Air-conditioning, Lifts, fire Alarm, Data Networking, EPBX, CCTV, PA System, Airport Runway lighting works etc.

Planning & Design of Electrical Works – Internal & External Works. Estimation, installation, testing and commissioning of such works.

Inspection and testing of electrical equipment, components, fittings, types of tests, sampling of components, test methods for different electrical equipment, components, cables, wires, insulators etc.

# VC No. 53/23- Engineer (S&T)

Basic Electrical & DC Circuit

Electronics Voltage & Current sources,

## Fundamentals of AC-

Average value, RMS value, form factor, crest factor, AC power and power factor, phasor representation of sinusoidal quantities. Simple series, parallel & series-parallel circuits containing R-L. R-C. R-L-C parameters, Resonance in series & parallel circuits. Star Delta transformations.

#### Power Supply –

Solar photovoltaic cell, primary and secondary cells, battery chargers, DG sets, voltage stabilizers, DC-DC converters, inverters, rectifiers.

Earthing and Surge protection-

Maintenance free earth, single earth, ring earth, Class A, B & C type surge protection devices. protecting against electrical surges and spikes including those caused by lightning.

#### Protection to staff:

Acid, fire, safety requirements, proximity, precautions in AC electrified area, tools, gloves, belts, helmets, guards, covers, live circuit working, handling electrical equipment, radio equipment, safety first manual, first aid.

#### Basic Electronics -

Characteristics of diodes, diode parameters, equivalent circuits, rectifiers, derivation for rectifier efficiency, ripple factor, filter circuits, power supplies. Principle of operation of transistors, Transistor Circuits and Integrated circuits.

Introduction to common measuring equipment:

Ammeter, voltmeter, clamp on meter, Cathode Ray Oscilloscope, Multimeter, frequency meter

System of Block Working Track Circuits Absolute Block System, APB System, Automatic Block Section

DC Track Circuits, Single and Double rail, Laying at Glued joints, importance of traction bonds, Cross Bonding, Earthing arrangement, Relay and feed end arrangement. Ballast Resistance, seasonal adjustments of DC track circuit, Excitation voltage on relay terminals of DC track circuits and preventive steps. Maintenance features of track circuits. Track relay shelf type and plug in type, its parameters, cutting in features.

Signalling & Power supply system

Signalling arrangement and power supply systems in AC electrified areas. Protection measures to the operating and maintenance staff. Earthing and its importance, Visibility of signal aspects. Double pole Triple pole lamps, signal screening, Ball token and token less block working. Mast implantation for clear visibility of signal aspects, Solar Power supply, Load calculation for PI, RRI station, IPS for typical PI/RRI/EI station.

Cables

Type of signalling cables, cable insulation resistance, Meggering of cables, Earth leakage detectors, Maintenance Free Earth Clamp meter, Cable fault route locater & Electro Magnetic Interface Shielding. Earthing of signalling cables and equipment. Steps to improve Localization of faults and repair. Laying of signalling cables. Burning of cables in AC traction areas, causes precautionary measures to prevent equipment. Steps to improve Localization of faults and repair

RRI/Panel RRI and Panel Interlocking systems.

Route Control Chart (R.C.C), Aspect Control Chart

Signal Interlocking Plan (SIP)

**Electrical Signalling** 

Point Motors, In built features, Control and Operation Circuits, Signal machines, Signal reversers, Track locking, Back locking, Indication locking, Approach and Dead approach locking etc. Lever lock and its functions. EKT/RKT and its functions, Circuit Breakers.

Modern Signalling

Basic Concepts of Electronic Interlocking, Data logger and its utility, Analog and Digital axle counters, AFTC, Electronic track circuits, IBS Systems, Block proving axle counter and LED Signals. Neal's A type Ball Tablet token instrument, Diado/HWH makes TLBI, SGE Double line block instrument (Lock and Block), Token less Push button instrument. UFSBI Block Signalling.

**Block Signalling-**

Diado/HWH makes Token Less Block Instrument (TLBI), SGE Double line block instrument (Lock and Block), Token less Push button instrument. Universal Failsafe Block Instrument (UFSBI)

Drawing office practice

Preparation of SIP, RCC, FPD, contact analysis, cable core age plan, cable route plan, As made (as at site) drawings. CRS application, Sighting committee report. Station working rule diagram

### **TELECOMMINICATION**

Land Line communications

Parameters, trenching, laying, jointing, termination of quad cables, testing, Faults, Localization and remedies in 4 quad/6quad cables, block working, LC gate communication & emergency communication, maintenance schedules and periodical tests.

Optic Fibre Communication system OFC system, Principles of working (PDH & SDH), OFC Channel testing, Ring protection and NMS. Construction details of Fibres and OFC, OFC laying details, Splicing.

Cable

Tele cabling, characteristics of Tele cables, Cable laying, Parameters, loading coils, Condenser joints, Balancing of cables, Testing, Cable faults localization, Rectification, Annual maintenance of cables in RE & Non-RE Area.

Train Traffic Control

Control office setup at Division, different controls like TC, Dy. TC, TPC, TLC, SM's office at way side station, communication at LC gates, Emergency control communication, set up at telecom test room, earthing Lightning protection.

VHF/Satellite Mobile

25 Watts & 5 Watts VHF sets including power supply. Uses, installation, programming, testing & maintenance of VHF sets, limitations of VHF. VSAT, Hub earth station, space link, remote earth station, interface equipment, network control centre, bandwidth management, satellite block diagram, network component details- hub configuration, remote configuration, remote indoor unit, Mobile communication.

**Power Plant Practice** 

Types of batteries, FCBC, SMPS chargers, Battery charging, Installation, Maintenance practices.

Electronic Telephone Exchange & IPABX

Stored Program Control (SPC), PCM-TDM principles Electronic Telephone Exchanges, speech, voice, data communications, signalling types, ISDN, WLL, Trunk Boards, Telephone traffic and dealing with telephone traffic at peak and slack hour working, system requirements, MDF/IDF wiring, cabling, power plant and protections, maintenance and repairs.

Computer basics

Basic computer concepts, notebook computers (laptop computer), Personal Digital Assistant (PDA) also known as Palmtop computer, desktop computers (PCs), Work Stations, Servers and Supercomputers Memory, Peripherals including mouse, printers, interfaces, disks, drives, controllers, USB ports, power supply, operating system concepts- single user/multi user, GUI & application software. Web page concept internet, worldwide web, e-mail and multimedia.

**Data Networks** 

Types of networks, Network topologies, IP & non-IP based networks, NIC, hubs, nodes, clients, gateways, Routers, switches, modems, ISDN, DSLs, connectors adapters, data cables. Installation, commissioning and maintenance of datacom equipment in various LAN, WAN networks like internet (TCP-IP), data loggers, PRS, UTS etc., bandwidth requirements, broadband, path protections, standards, scalability, IP addressing. IP planning, network/sub- network masking, data security & encryption levels, software, firewall, intrusion detection & protection convergence, traffic monitoring, BER, jitter, wander measurements, testing of data channels of 2Mbps & 64 kbps speed, telnet, HTTP, FTP, maintenance using NMS and Do's & Don'ts.

#### **General Instructions**

- 1. Management reserves the right to cancel/ restrict/ enlarge/ modify/ alter the selection/ recruitment process at any stage, without issuing any further notice or assigning any reason thereafter.
- 2. The number of vacancies may vary.
- 3. Departmental candidates of RITES and candidates working in Government Departments/ PSU shall be allowed to join RITES only after being properly relieved from their parent organization.
- 4. Before applying, the Candidates must satisfy themselves about their eligibility for the post applied for.
- 5. In case it is detected at any stage of recruitment that a candidate does not fulfill the eligibility norms and/or that he/she has furnished any incorrect/false information or has suppressed any material fact (s), his/her candidature is liable for cancellation. If any of these shortcomings is/are detected even after appointment, his/her services are liable to be terminated.
- Any corrigendum/addendum to this advertisement will be displayed only on the Company's website
   www.rites.com
   Therefore, applicants are advised to keep checking the Company's website for any
   update.
- 7. The period of training/internship shall not be counted towards post qualification experience.
- 8. Legal jurisdiction will be Delhi in case of any dispute
- 9. No train/bus fare / TA / DA shall be payable.
- 10. In case a candidate is found suitable for a lower post than for which he/she has applied, he/she shall only be considered for the post for which he/she has been found suitable by the selection committee.

# **Communication with RITES**

Any information regarding this recruitment process would be made available on the e-mail address provided by the candidate at the time of registration and/or shall be uploaded on RITES website. Candidates are advised to periodically check the Career section of RITES website for further updates.

Candidates are encouraged to go through the detailed advertisement and read the "Frequently Asked Questions (FAQs)" uploaded on RITES website under Career section to solve their queries.

# Queries if remaining should be sent to rectt@rites.com only and contain the following particulars:

- i. VC No.
- ii. REGISTRATION/ROLL NO.
- iii. NAME OF CANDIDATE IN FULL AND IN BLOCK LETTERS.
- iv. Valid email address as given in the application

Communications not containing above particulars shall NOT BE ATTENDED TO.

Any query/ issue should be brought to notice of RITES well in advance of the due date. RITES will not be responsible for non-submission of application due to issues brought to notice at the last moment.

Queries related to information already provided in the advertisement shall not be attended to.

# **Important Dates**

S. No.	Particular	Date
1	Commencement of submission of online application and online payment of fees	03.03.2023
2	Last date of submission of online application and online payment of fees	27.03.2023
3	Last date of submission of documents through RITES portal	27.03.2023
4	Date of selection	To be notified later