

RAILTEL CORPORATION OF INDIA LTD.

NOTICE

AM(Tech)'s(Manager Grade)Limited Departmental competitive Examination-2008.

New Delhi, the 22nd April, 2008.

No. RCIL/2005/P&A/44/8- A Limited Departmental Competitive Examination for promotion to the grade of Manager in scale Rs. 10750-300-16750(IDA), will be held in the Corporate Office of RailTel Corporation of India Ltd. 10th Floor, Bank of Baroda Building, New Delhi on 24.05.08 for the post of Manager(Tech).

Eligibility: The existing AM-I(Technical) who were recruited as AM-II in 2005 and have been confirmed as AM-I(Tech) are eligible to appear in the examination. However, the candidates declared successful in the examination for promotion to the grade of Manager will be promoted to the Manager's grade on completion of two year of regular service in AM-I grade.

Last Date for Applications: All eligible AMs who are willing to appear in the examination for the post of Manager in RailTel must submit complete application form, in Annexure -C addressed to Addl. General Manager/P&A, RailTel Corporation of India Ltd. 10th Floor, Bank of Baroda Building, Sansad Marg, New Delhi, on or before 15.05.08. A candidate appearing at the examination should also bring with him an extra copy of the photograph similar to the one affixed on the application form to the examination hall.

Vacancy: The service to which recruitment is to be made on the results of the examination and the approximate number of vacancies are as under:

Manager(Tech) 46

Examination: The examination shall be conducted according to the following plan:-

Part I Written examination carrying maximum of 400 marks in the subjects as shown in Annexure –B for Manager (Tech) will be held on 24.05.08 at Corporate Office, RailTel Corporation of India Ltd. New Delhi. The minimum qualifying marks in the written examination is 60%, for General candidates, relaxation in pass marks in the written test will be applicable to reserved category candidates(SC/ST).

Part II Evaluation of record of service and interview carrying a maximum of 100 marks.

A candidate who is found guilty of :-

- a) obtaining support for his candidature by any means, or
- b) impersonating, or
- c) Procuring impersonation by any person, or
- d) Resorting to any other irregular or improper means in connection with his candidature for the examination or

- e) Using unfair means during examination, or
- f) Misbehaving in any other manner in the examination hall may , in addition to rendering himself liable to criminal prosecution, be liable to be disqualified by the RailTel.

(Sunita Singh)
Addl. General Manager/P&A

Syllabus (Technical)

- 1) **BASIC ELECTRONICS:** Basic electronics, analog and digital communication, Pulse coded modulation, PDH multiplexing, Electromagnetic Fields and Waves, Transmission Lines, Wave Propagation and Antennas, Circuit Theories, Electronic Networks, Electronic Devices and its applications, Instrumentation and Measurements of various Electrical and Electronic Parameters.
- 2) **OPTICAL FIBERS:** Types of Optical fibers and their characteristics, Step Index fiber, single-mode fiber, Graded-Index fiber, Use of various testing tools like Powermeter, OTDR splicing machine etc. various types of interfaces of patch chords, specified optical losses at different optical wavelengths, link planning and selection of optical interfaces for a typical link.
- 3) **SDH CONCEPTS:** PDH and its limitations, benefits of SDH, principles of SDH, SDH frame structure, Section overheads, Path overheads, Pointers, High rate multiplexing, Alarm and error handling, Network Protection and restoration and Synchronization and practices of synchronization of SDH Eqpt, ring architecture, KLM, E1, E3 numbering schemes of various eqpts.
- 4) **SDH EQUIPMENTS:** Functioning of different systems that constitute SDH equipment (STM-1, STM-4 and STM-16) like mechanical, transport (signal processing and flow), management, power etc., Knowledge of Alcatel (1660), Tejas(LT-100, CP, MC-1, MC4, MC4L, MC16), Fibcom (6320) & WRI Eqpt (GF 2488), and different hardware (System and Cards) in the equipment and their features Various optical interfaces their trans powers and thresholds, and different hardware (Cards) in the equipment and their features and various optical interfaces, use of Local Craft Terminal (LCT's) of all these Eqpts used in RailTel, interfaces/software required for LCT's.
- 5) **POWER PLANT :** Power plant capacity calculations, functioning of charges and its block diagram, How the external alarms of charger are extended to NMS, DG sets working in auto/manual mode.
- 6) **COMPUTER NETWORKS :** TCP/IP, different network layers including physical layer, common networking applications.

Annexure –C

Application for the post of Manager(Mktg)/Manager(Tech)

1. Name: Passport size
Photograph
2. Father's Name
3. Date of appointment as AM-II
4. Post held at present
5. Date of appointment to the present post
6. Region where working
7. Whether fulfilling the eligibility criteria Yes/No
8. I (name) hereby declare that the information furnished above is true to my knowledge.

Signature
(Name)