

MAHANAGAR TELEPHONE NIGAM LTD

O/o Executive Director, Telephone House, 14th flr.,
Recruitment section, East wing, MTNL Marg,
Dadar(W), Mumbai:-400028

SM (A-IV)Rctt/TTA/LDCE/25%/2016-17/16

Dated:-13/02/2017

To,
All Sr.Manager(Admn)
MTNL,Mumbai

Sub:-Limited Departmental Competitive Exam (LDCE) for the post of Telecom
Technical Assistants against Deptl.. Qutoa (25%)

Ref:-MTNL/CO/R&E/3(5)/2016 dated 09/02/2017

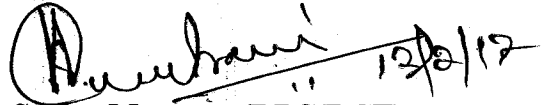
Please find enclosed herewith the circular of examination received from
Corporate Office vide letter under reference above .

The TTA Examination is scheduled to be held on 10/05/2017 (Wednesday) as
per Corp. Office instruction. The exact venue will be intimated in due course.

The detailed circular regarding calling of application with application proforma
etc. is being issued shortly.

Vide publicity may be given this for information of all concerned .

Hind version follows.


Senior Manager (DPC/RCT)
MTNL Mumbai.

Encl:Corp.Office Letter dated 09/02/2017

Copy to:

- 1.SA toed/CGM(WS)/PGM(LS)/PGM (D)
- 2.All GMs/CEBW/CE(Electrical)GM(Trg-I)
- 3.DGM(A-I)DGM(T-M)CETTM
- 4.All Sr.Managers(A)/Dy.Managers(a)
- 5.r.Managers(A-I/II/III/IV/SR/EST-HQ/Legal/Wefare)
- 6.Sr.Managers(Bldg) telephone House for display on notice Board.
- 7.General secretary,Mahanagar Telephone Nogam Kamagar Sangh Majority Union)



महानगर टेलीफोन निगम लिमिटेड
(भारत सरकार का उद्यम)
MAHANAGAR TELEPHONE NIGAM LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

No. MTNL/CO/ R&E/ 3 (5)/2016/
Dated: 09.02.2017

The General Manager (A)
MTNL, Delhi/ Mumbai

Sub : Limited Departmental Competitive Examination (LDCE) for promotion to post of Telecom Technical Assistants (TTAs) under Recruitment Rules 2001 and One time relaxation in recruitment Rules for TTAs & TMs reg. Dated 07.12.2015 - Filling of Posts of TTA against Departmental Quota (25%)

It has been decided to hold the Limited Departmental Competitive Examination (LDCE) in accordance with TTA Recruitment Rules, 2001 and One time relaxation in recruitment Rules for TTAs dated 07.12.2015 for filling up posts of TTAs in Delhi Unit and Mumbai Unit on **10.05.2017**. In this regard, the format for Notification of the Exam (Annexure 1 A), the Application Form (Annexure 1), Eligibility Criteria (Annexure 2). Syllabus and Scheme of Examination Annexure 3 are enclosed.

The Notification, Application Form, Eligibility Criteria, Syllabus and Scheme of Examination may be circulated, after filling up the details pertaining to the respective Units, to all GM Areas for the information of all concerned. The crucial date for reckoning the date for eligibility and counting service for appearing in the LDCE shall be **01st January, 2017**. Any modification, if required in this Order letter may be indicated immediately to Corporate Office.

प्रमुख (प्रशा) कार्यालय
म.ट.मि.लि. लिमिटेड, मुंबई.
क्र./ Inward No. 361
13 FEB 2017
Time _____
o/o. General Manager (Admn.)
T.N.L., Mumbai

(Signature)
(R.K. Tanwar)
DGM (Pers.)

Encl.

1. Notification for examination
2. Format for Application Form
3. Eligibility Criteria
4. Syllabus for Exam and Scheme of Examination

Copy to :

1. Director (Technical)/ (Finance)/ HR
2. ED, Delhi/ Mumbai/ Corporate Office/WS
3. All GMs in Corporate Office for circulation among staff in their section
4. Jt. GM (HR), Corporate Office
5. PS to CMD

SM(A-2) 13/2
DSIT (A-11) For Urgent circulation & n/a, 13/2.
SM(A-2) 13/2



महानगर टेलीफोन निगम लिमिटेड
(भारत सरकार का उद्यम)
MAHANAGAR TELEPHONE NIGAM LIMITED
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6. Notice Boards

Annexure 1 A

NOTIFICATION

Sub: **Limited Departmental Competitive Examination (LDCE) for promotion to post of Phone Mechanics (TTAs) – Filling of Posts of TTA against Departmental Quota (25%)**

It is hereby informed that Limited Departmental Competitive Examination (LDCE) for promotion to post of Phone Mechanics (TTAs) against Departmental Quota (25%) for both the Units is scheduled to be held as per the terms and conditions mentioned below :

Date of Examination :	10.05 2017
Number of Posts :	Will be intimated shortly
Place of Posting :	Place of posting shall be respective Units.
Reservation of posts:	Reservation for SC/ST shall be as per GOI Rules.
Eligibility Criteria:	Enclosed at Annexure 2.
Last Date for submission of Application:	10.03.2017 (Applications received after this date will not be entertained.
Syllabus and examination scheme for Examination:	Enclosed at Annexure 3.

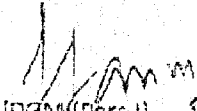
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M
09/02/2017

Application Form :

Enclosed at Annexure 1.

Other Important Instructions:

1. The eligible Officials (MTNL Optee Only) who desire to appear in the LDCE should submit their applications in the prescribed format duly verified by the Controlling Office concerned to the Office of GM (Administration) of the respective Unit latest by **10.03.2017**. No direct applications shall be entertained. Officials from Corporate Office shall forward their applications to GM (HR), Corporate Office.
2. Applications should be sent in original and not by Fax. Belated/ Incomplete applications, if received, will not be recorded by both Units without any intimation. Applications not sent through proper channel will not be entertained. Hence all care should be taken by applicant/ concerned Unit.
3. The candidates applying under SC/ST category will be responsible to ensure that proper entry to this effect is made in their service books.
4. While forwarding the applications, controlling officers should ensure that official is MTNL Optee, and they should ensure that no vigilance case is pending or contemplated against the applicant.
5. If the applicant undergoes any current punishment, he/ shall will be sent for training after the punishment is over subject to availability of Training Batch.
6. Units may upload the Notification along with all Annexures on MTNL, Delhi/ Mumbai Intranet site.
7. Wide publicity may be given to this for information of all concerned.


[DGM (Pers.)] 07/02/2017

Issuing Authority



महानगर टेलीफोन निगम लिमिटेड

(भारत सरकार का उद्यम)

MAHANAGAR TELEPHONE NIGAM LIMITED
(A GOVERNMENT OF INDIA ENTERPRISE)

Eligibility Conditions:

Enclosed at Annexure 2.

1. Educational Qualification:

The following Gr. C employees of Telecom Engineering

- a) i) Telecom Operating Assistant (TOA) with five years regular service or
ii) Senior Telecom Operating Assistant (TOA) with five years regular service (including the service rendered as Telecom Operating assistant) holding 10+2 standard certificate or equivalent.
- b) i) Telecom Mechanic holding 10+2 standard certificate or equivalent, and
ii) Technicians, other than Technicians eligible for absorption by SCF, with 5 years regular service in respective cadres.

Mam
07/02/2012

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**REVISED SYLLABUS FOR LIMITED DEPARTMENTAL
COMPETITIVE EXAMINATION FOR TELECOM TECHNICAL ASSISTANTS.**

EXAMINATION SCHEME

1. There will be TWO papers of 100 Marks each of 3 hours duration.
2. The questions will be of descriptive type.
3. The minimum qualifying marks in each Paper will be 30 for OC candidates & 20 for SC/ST candidates and subject to an aggregate of 40% marks for OC candidates and 33% for SC/ST candidates.

SUBJECTS OF QUESTION PAPER

- PAPER - I - Electricals, Electronics and Communication
PAPER - II - Departmental Practices

PAPER-I ELECTRICALS, ELECTRONICS AND COMMUNICATION

ELECTRICAL : Three phase versus Single phase supply, concept of Inductance and capacitance and Impedance in AC circuits, series and parallel AC circuits, star and delta connections, relation between phase and line voltage. Ohm's Law and its application, Power factor and their measurement, refrigeration and air conditioning.

Principles of operations of Transformer, application of small transformer in electronics and communication engineering. Semi - conductor devices - Principles of operation and characteristics of diode, zener diode, transistor. Application of these devices in electronics circuits e.g. half wave/full wave rectifiers, invertors etc. Electronic Circuits - Basic electronic circuits viz. amplifiers oscillators, multivibrators and Integrated circuits (ICs) Units of attenuation, decibels and Nepers characteristics of attenuation and concept of low pass (LP), band pass (BP) and high pass (HP) filters. Concept of dbm, psophometric noise, cross - talk and their measurements.

COMMUNICATION - Modulation and demodulation - Principle and operation of various types of AM, FM and PM modulators/demodulators; pulse modulation - TDM, Multiplexing, Principles and applications of PCM.

NETWORK, FILTERS AND TRANSMISSION LINES - Transmission lines and their applications; characteristics Impedance of line; principle of impedance matching bandwidth consideration of a transmission line.

COMPUTERS:

Computers and its working, Input/Output devices, various operating systems, familiarization with windows, Microsoft Office, concept of file, directory, folders, number systems (binary, octal, hexadecimal), types of memory (RAM, ROM), Storage devices (Harddisk, CDROM, USB Drives), Computer viruses, working of Modems.

PAPER-II : DEPARTMENTAL PRACTICES

Broadband / ADSL Technology

Customer Premises Equipment (ADSL Modem, Splitter, Cables -RJ11, RJ45), LAN, WAN, Different Broadband services such as Internet, IPTV, VoD, VoIP, Gaming, DSLAM Uplink / Downlink speed, speed testing, configuration of CPE (PPPoE & Bridge mode) and PC, Indication of ADSL modem status lamps, precaution in customer premises wiring, DNS IP Addresses used in MTNL, Static IP, Set Top Box wiring, MDF wiring.

SWITCHING & POWER PLANT

1. New Technology exchanges & working principles.
(OCB-283 exchange)
-Architecture of OCB-283 drawing, Exchange capacity, Traffic handling capacity different equipments & their functions, capacity
subscriber connection unit, Trunk connection unit (SMT/URM)
Switching matrix, Control units, O & M unit (SMM), Tones & announcements.
Type of subscriber lines (ordinary/PCO/ISDN) & their testing
Junction (PCM 2Mbps E1 links) testing.
various types of subscriber instruments, connections, ISDN lines their connections & components.
2. Type of cables, their identification, counting, laying/terminations
3. MDF, IDF (tag blocks types), Racks, fuses (protective devices), relays.
4. POWER PLANT
-Type of rectifiers (conventional, SMPS), Engine alternators, batteries (VRLA), UPS their operation & maintenance. Air conditioning purpose & different types.
5. Earthing practices and methodology, requirement.

TRANSMISSION & WIRELESS

Transmission Systems & Media:

1. Various types of Transmission Systems functioning in DOT/BSNL/MTNL and their working principles.
2. Operation & Maintenance of PCM, OFS, SDH (STM-1, STM-4, STM-16), systems and PDH & SDH Concepts.
3. New Optical Technologies - FTTX, DWDM Architecture & Services.
4. Various types of Transmission Media - Copper, Fibre, Space (Air).

5. Optical Fibre Cable - Light Theory, Total Internal Reflection, Fibre Cable Construction, Fibre Classification, OFC Types, Fibre Characteristics, Dispersion, Connectors, Couplers, Optical Sources, Optical Detectors and OF Cable accessories.
6. VDF/IDF, DDF, FDF, Splice Closures (Internal & External).
7. Fibre Splicing, OF Cable Laying Practice.
8. All Transmission Testing & Measuring Test Instruments - Equipments & Media.
9. Transmission Room Layout & Installation Practices.
10. Maintenance of Records

Leased Lines & MLLN:

1. Leased Line Services & its Components
2. MLLN Services - Elements of MLLN, Architecture of MLLN, Network Management System of MLLN.

Wireless:

1. GSM Network Element functions - (BTS/ BSC/ MSC/ HLR/ AUC/ VLR/ EIR)
2. Types of various handset & their features viz. GSM only/ GPRS/ EDGE/ 3G ecpt. Services provided viz. SMS/ Call Waiting/ Call Forwarding/ GPRS.