



BSNL Corporate Office, Room no: 223, 2nd Floor, Eastern Court, New Delhi-110001

No. 7-2/2017-Rectt.

Dated: 16-10-2017

To

All Chief General Managers Territorial Telecom Circles, BSNL,
Chief General Managers Kolkata/Chennai Telephone Dists., BSNL,
Chief General Manager Mtce. NTR, BSNL, New Delhi.

Subject:- Holding of Online Limited Internal Competitive Examinations (LICEs) for promotion to Junior Engineer under 50% quota for RY 2016.

With the approval of the Competent Authority, it has been decided to hold a Limited Internal Competitive Examination (LICE) for promotion to the post of Junior Engineer (Telecom) under 50% Internal Quota for the Recruitment year 2016 only, as per the Recruitment Rules of Junior Engineer (Erstwhile TTA), circulated vide BSNL C.O. letter No. 250-7/2013-Pers-III dated 25.08.2014.

2. The aforesaid LICE would be conducted through Online examination mode in a centralized manner all over India by the Recruitment Branch of BSNL Corporate Office through the Examination Agency. However, the notifications for the aforesaid LICEs are required to be issued by the respective Circles. The time schedule prescribed for the aforesaid LICE is as under:-

Sl. No.	Events	Dates
1	Latest date of issuance of Notification by the Circles for conducting the LICE for promotion to Junior Engineer.	30.11.2017
2	Starting date of Online Registration for the LICE JE.	15.12.2017
3	Last date of Online Registration for the LICE JE.	15.01.2018
4	Editing Period	16.01.2018 to 17.01.2018
5	E-Verification to be completed through ERP and sending of report.	By 25.01.2018
6	Date of holding of LICE for promotion to Junior Engineer.	28.01.2018

3. The notification to be issued by the Circles for the aforesaid LICE is enclosed herewith as Model Examination Notice..

4. All the Telecom Circles are required to prepare the notification as per the model notification in respect of their Circles, after filling up the calculated vacancies of their circle, as already intimated to Recruitment Section of BSNLCO (Annex-1) in compliance to letter of even No. dated 11.08.2017 and subsequent reminder of even No. dated 12.09.2017 & 22.09.2017.

5. The Circles are also requested to appoint an Examination Coordinator, who would also act as Examination Observer for the Circle for the aforesaid LICE.



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The Circles should also intimate the following details in respect of the Examination Coordinator-cum-Examination Observer to the undersigned through the e-mail ID viz. agmrectt1@gmail.com by 30.11.2017 :

- a) Name:
- b) Designation:
- c) Office Address :
- d) Telephone Number:
- e) Mobile Number:
- f) Authenticated E-mail Address:

6. All the correspondences with regard to conduct of aforesaid LICE is to be done through the authenticated e-mail ID only.

7. The Circles must strictly adhere to the time schedule mentioned for the aforesaid LICE.

8. The receipt of this letter may please be acknowledged and the Circles must furnish a copy of their notification issued for the aforesaid LICE to the Recruitment Branch of BSNL CO through the above mentioned e-mail ID.

Enclosure : As above

R.K. Tiwari 16/11/2017

(R.K.Tiwari)
Asstt. General Manager (Rectt.-I)

Copy to :-

1. GM (Estt.), BSNL Corporate Office
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BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)
_____ **Telecom Circle**

No. _____

Dated: / /2017

Sub: Holding of Online LICE for Junior Engineer under 50% quota for RY 2016: Model Notification of Exam reg.

STARTING OF ONLINE REGISTRATION OF APPLICATION	:	15.12.2017
LAST DATE OF ON LINE REGISTRATION	:	15.01.2018
EDITING PERIOD	:	16.01.2018 TO 17.01.2018
DATE OF ONLINE TEST	:	28.01.2018

With the approval of the Competent Authority, it has been decided to hold a Limited Internal Competitive Examination (LICE) promotion to the grade of JE(Erstwhile TTA) under 50% quota for the recruitment year 2016. The exam will be conducted online. The examination shall be held as per Recruitment Ruled circulated vide letter No. : **250-7/2013-Pers-III dated 25.08.2014** and Syllabus/ Scheme of the examination circulated vide letter No. : **250-76/2001-Pers.III dated: 07.10.2011**. All Departmental candidates fulfilling the prescribed eligibility conditions and possessing qualification as detailed in above letters will be eligible to apply for the above said post.

2. The current vacancy position (as on 31.03.2017) in the Circle is as follows:-

Recruitment Year	OC	SC	ST	Total
2016				

3. The Detailed scheme & time-table of the examination is given below:

Paper	Subjects	Number of Questions	Marks	Date of Exam	Duration
Section-I	Electrical, Electronics & Communication,	50	50	28.01.2018	3 hours 11.00 A.M. to 2.00 P.M.
Section-II	Departmental Practice	50	50		
Total		100	100		

Syllabus for each of the two sections has been detailed in **Annexure A.**

4. As already informed vide BSNL CO letter No. 5-11/2009-Pers.IV dated 01/11/2011, the examination will be of multiple choice objective type and as such each question will have 4 multiple choices for answer. Only **one** answer which is the most appropriate has to be selected by the candidate and click the relevant option accordingly. In case of wrong answer, 25% marks of that question will be deducted and as such the candidates are advised not to resort to arbitrary selection of answer.

Minimum Qualifying marks in the LDCE for TTA will be as follows :-

S. No.	Category	Minimum Qualifying Marks
(a)	OC Candidates	30% in each section and 37% in aggregate
(b)	SC/ST Candidates	20% in each section and 30% in aggregate

5. Eligibility:-

The eligibility criteria for appearing in LICE are as under:

The following Non-executive employees of BSNL, below the age of 55 years as on the **1st July 2016**, are eligible provided they are possessing 10+2 standard qualification or equivalent or two year ITI certificate/three year Diploma in any one of the disciplines **i.e.** Telecommunication/Electronic/Electrical/Radio/Computer/Instrumentation/Information Technology from a central Govt./State Govt. recognised institutions after matriculation.

- i. Non-executive of any cadre (viz. Telecom, Telecom stores, Civil, Architect, etc.) in the IDA pay scale of Rs. 9020-17430 and above with combined five years of residency period in the pay scale of Rs. 9020-17430 or above as on **1st July 2016**.
- ii. Senior Sports Assistants and Sports Inspectors/ Coordinators in the IDA pay scale of Rs. 9020-17430 and above with 5 years of residency period in the scale of Rs. 9020-17430 or above as on **1st July 2016**.
- iii. Non-executive (Industrial & Non-Industrial) of Telecom Factories in the IDA pay scale of Rs. 9020-17430 and above with 5 years of residency Period in the scale of Rs. 9020-17430 or above as on **1st July 2016**.

6. The LICE will be held in **all BSNL Territorial Circles** at their respective headquarters. The details of the Territorial Circles where the LICE will be conducted are given at **Annexure-B**.

7. The examination will be conducted strictly in accordance with provisions of Standard Operating Procedure (SOP) for conducting Computer based Online examination in BSNL.

8. The employees, who are eligible in accordance with the eligible conditions as referred in the Recruitment Rules and who desire to appear in the examination should submit application on-line. Candidates applying for LICE for promotion to the post of Junior Engineer are required to apply online for which link shall be provided through BSNL web site www.internalexam.bsnl.co.in. Applications will be considered only through the online registration process which is to start from **15.12.2017** and will be closed on **15.01.2018**.

Therefore, candidates are advised to visit BSNL Intranet site (www.intranet.bsnl.co.in) for any updates regarding the LICE.

All candidates applying for LICE for **Junior Engineer** are required to read all the instructions provided on website www.internalexam.bsnl.co.in before filling the online application form. Candidates will have to provide valid Email ID and Mobile Number at the time of online Registration. After submitting the application on-line, the applicant may take a print out of application form and keep it with him/her for record.

9. The prescribed examination fee **Rs. 500/-**(Rupees Five Hundred only) for the OC/OBC candidates and **Rs. 250/-** (Rupees Two Hundred Fifty only) for the SC/ST candidates shall be paid through online mode i.e. Internet Banking, Credit Card, Debit Card only.

The amount of the fee shall not be accepted in any other form. Fee once paid shall NEITHER be refunded under any circumstances NOR can be held in reserve for any other examination or selection. Hence, the candidates are requested to ensure their eligibility for the said LICE before applying for the same.

10. Registration forms complete in every respect must be submitted Online on or before **15.01.2018**. Candidates are advised to complete their registration process well before last date to avoid last day. Registration process will not be allowed after last date and all incomplete registrations will be treated as rejected. Candidates will have to download their Admit Card from the BSNL website www.internalexam.bsnl.co.in at least **7 days before** from the date of the Online Test by using their user name & password. **It will not be sent either by post or by e-mail**. BSNL shall not be responsible for server crash problems or delays occurring on last day of registration.

11. The applicants would be admitted to the examination on the basis of the information furnished by them in their registration form. They are, therefore, advised to ensure that they fulfill all eligibility conditions before applying. In case it is found at a later stage that the information furnished by an applicant is false or an applicant does not fulfill any of the eligibility conditions, the candidature of such applicants would be cancelled and no correspondence in this regard would be entertained. Issuance of an admit card for the examination will NOT confer any right for promotion/appointment. Promotion/appointment will be solely subject to fulfillment of all eligibility conditions as well as availability of vacancies.

12. No electronic gadget or mobile phone will be permitted to be taken inside the examination premises by the candidates.

Signature of issuing Authority
(Name, Designation & Telephone Number)

Annexure-I					
Compilation Data For LICE JE (RY-2016)					
sl.no	Name of Circle	OC/OBC	SC	ST	Total
		Vacancy	Vacancy	Vacancy	Vacancy
1	Andaman & Nicobar	20	0	3	23
2	Andhra Pradesh	336	86	71	493
3	Assam	174	7	10	191
4	Bihar	127	24	11	162
5	Chhattisgarh	50	8	3	61
6	Gujarat	449	93	47	589
7	Jammu & Kashmir	88	14	10	112
8	Jharkhand	86	10	11	107
9	Karnataka	431	89	39	559
10	Kerala	358	73	37	468
11	Madhya Pradesh	162	28	53	243
12	Maharashtra	516	100	50	666
13	North East - I	109	22	11	142
14	North East - II	43	7	4	54
15	Haryana	453	69	63	585
16	Himancha Pradesh	17	13	17	47
17	Punjab	892	112	111	1115
18	Odisha	101	19	9	129
19	Rajasthan	438	81	42	561
20	Tamilnadu	591	122	61	774
21	Uttar Pradesh [East]	96	25	1	122
22	Uttar Pradesh [West]	180	42	23	245
23	Uttranchal	15	5	1	21
24	West Bengal	Pending	Pending	Pending	
25	Chennai Telecom District	269	60	44	373
26	Kolkatta telephones	376	69	43	488
27	Northern Telecom Region	12	0	1	13
28	Telangana	362	79	50	491
Total					8834

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BHARAT SANCHAR NIGAM LIMITED
(A Government of India Enterprise)

(Pers-III Section)
5th Floor, Bharat Sanchar Bhawan,
Janpath, New Delhi

No. 250-76/2001-pers-III
Dated: 7.10.2011

To

All Heads of the Telecom Circles,
Bharat Sanchar Nigam Limited*.
(* Only Recruiting Circles)

Sub: Forwarding of Revised Scheme of Examination for Limited Departmental Competitive Examination (LDCE) for TTA under 40% quota---regarding.

In partial modification to this office letter of even No. dated 4.12.2008, I am directed to enclose herewith a copy of revised Scheme of Limited Departmental Competitive Examination (LDCE) for TTA under 40% quota for favour of further necessary action at your end please. The Revised scheme shall be applicable for the examinations to be held henceforth.

Encl: As above.



(Harsh Vardhan Singh)

Addl. General Manager (Estt.)

TEL: 23715155 FAX: 23725255

Copy to:-

1. GM (Rectt.), BSNL CO, New Delhi.
2. AGM (DE-II), BSNL CO, New Delhi
3. General Secretary, BSNLEU, New Delhi.
4. Intranet
5. Guard File
6. Spare Copies
7. File No. 250-27/2008-Pers-III

BHARAT SANCHAR NIGAM LIMITED
(A Govt. of India Enterprise)

**SYLLABUS AND SCHEME OF EXAMINATION FOR LIMITED DEPARTMENTAL
COMPETITIVE EXAMINATION FOR TTAs**

(A) SCHEME OF EXAMINATION

There will be a single **Objective Multiple-choice-type Paper** of 100 Marks comprising of two Sections. The time allowed shall be Three (3) hours. Each Section shall contain 50 questions of One (1) Mark each. There will be **negative marking** and for each wrong answer **25%** of the mark of that question shall be deducted.

SUBJECT	MAXIMUM MARKS	TIME ALLOWED
SECTION-I <u>ELECTRICALS,</u> <u>ELECTRONICS</u> AND <u>COMMUNICATION</u>	50	3 Hours
SECTION-II <u>DEPARTMENTAL</u> <u>PRACTICES</u>	50	
TOTAL	100 Marks	

The minimum qualifying marks in the LDCE for TTA will be as follows:-

- (a) 30% in each section and 37% in aggregate for OC candidates.
(b) 20% in each section and 30% in aggregate for SC/ST candidates.

P.T.O.

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SYLLABUS**SECTION-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, multi-vibrators 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 application of PCM.

NETWORK, FILTERS AND TRANSMISSION LINES---Transmission lines and their application, characteristic impedance of line, principle of impedance matching, bandwidth consideration of a transmission line.

COMPUTERS---Computer and its working, types of computers, familiarization with DOS and windows—concept of file, directory, folders, number system (Binary, Octal and hexadecimal), Memory types, Personal computers and their typical uses, types and working of modems, OSI models.

SECTION-II DEPARTMENTAL PRACTICES

- (i) Various types of subscriber instruments, exchanges viz. C-DOT, RAX/SBM/MBM/E-10-B/New Technology Max-I and their working principles.
- (ii) Transmission systems functioning in DoT/BSNL and their working principles.
- (iii) Telex and Trunk working principles/repair/maintenance.
- (iv) Float rectifiers, power plant, engine alternator, batteries their operation and maintenance.
- (v) Operation and maintenance of 3 channel system.
- (vi) Repair of PCBs, connectors, soldering, de-soldering and pin-number in IC chips. Handling of ICs.
- (vii) Type of switch-boards, cables, their identification and laying/terminations.
- (viii) Organizational set up up-to Telecom Circle level.
- (ix) PABX, MDF, IDF, Racks, Ruses, Relays.
- (x) Various types of tools.
- (xi) Earthing practices and methodology.


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Annexure-B

Sl.no.	Name of the BSNL Coordinating Circle authorised to coordinate for the LICE JE (RY-2016) Circles	Name of Circle	Name of the Examination Centre
1	Andaman & Nicobar	Andaman & Nicobar	Port Blair
2	Andhra Pradesh	Andhra Pradesh	Vijaywada
3	Assam	Assam	Guwahati
4	Bihar	Bihar	Patna
5	Chhattisgarh	Chhattisgarh	Raipur
6	Gujarat	Gujarat	Ahmedabad
7	Jammu & Kashmir	Jammu & Kashmir	Jammu
8	Jharkhand	Jharkhand	Ranchi
9	Karnataka	Karnataka	Bangalore
10	Kerala	Kerala	Thiruvananthapuram
11	Madhya Pradesh	Madhya Pradesh	Bhopal
12	Maharashtra	Maharashtra	Mumbai
13	North East – I	North East – I	Shiling
14	North East – II	North East – II	Dimapur
15	Haryana	Haryana	Ambala
16	Himancha Pradesh	Himancha Pradesh	Shimla
17	Punjab	Punjab	Chandigarh
18	Odisha	Odisha	Bhubaneshwar
19	Rajasthan	Rajasthan	Jaipur
20	Tamilnadu	Tamilnadu & Chennai Telecom District	Chennai
21	Uttar Pradesh [East]	Uttar Pradesh [East]	Lucknow
22	Uttar Pradesh [West]	Uttar Pradesh [West]	Meerut
23	Uttranchal	Uttranchal	Dehradun
24	West Bengal	West Bengal & Kolkatta telephones	Kolkata
25	Northern Telecom Region	Northern Telecom Region	Delhi
26	Telangana	Telangana	Hydrabad

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