

Office of the DRM,
Personnel Branch, 4th Floor,
Sanchalan Bhavan,
Secunderabad.

No.SCR/P-SC/210(a)/N-10/JE/Tele(PRQ)

Date: 04-06-2021

Sr.DSTE/SC, Dy.CSTE/Proj/SC, Dy.CSTE/CN/SC, Dy.CSTE/RE/SC,
Principal/STTC/MLY, All SSE/SE's of S&T Department/SC division.

NOTIFICATION

Sub:- Formation of panel for filling up of the post of Junior Engineer (Tele) in Level-6 of 7th CPC pay matrix against 30% Promotional quota in S&T Department of Secunderabad Division – Reg

It is proposed to form a panel for filling up of six (06) vacancies of Junior Engineer (Tele) with Level-6 of 7th CPC against 30% Promotional quota in S&T Department of SC Division. The communal break-up of vacancies is as detailed below:

Category	UR	SC	ST	Total
JE (Tele)	06	Nil	Nil	06

2. Eligibility and Service conditions of staff:

The list of senior most eligible 18 employees working in the category of Sr.Tech(Telecom) & Sr.Tech(WTM) of S&T Department of SC Division in Level-6 and who are in the normal zone of consideration @ 1:3 ratio based on their seniority is enclosed as **Annexure – I**.

A stand-by list of employees for selection is enclosed as **Annexure-II**. It is advised that these employees in the standby list will be considered to appear for the written examination only in case any of the employees in the main list of **Annexure-I** express their unconditional unwillingness to appear for the selection on or before the cut-off date. If no unconditional unwillingness is received before the cut off date, only the employees in Annexure-I, shall be considered for appearing in the written exam.

The candidature for this selection is subject to the condition that if placed on the panel, the employee should be prepared to work anywhere on Secunderabad Division of SC Railway. Further their promotion is subject to them are being found fit in AYE THREE(A-III) Medical classification and mere calling for selection shall not be prospective right for promotion.

3. Mode of Selection:

In terms of Railway Board's Lr.No.E (NG) I/2000/PM1/41, dated 20-08-2003, S.C.N.144/2003, the positive act of selection to assess the professional ability of the candidate shall consist of written test. The candidate has to obtain a minimum of 60% marks in professional ability i.e. in written examination, for being considered for further selection process of perusal of service record. The post of Junior Engineer (Telecom) being classified as "Safety Category post" there is no relaxation in qualifying marks to employees belonging to the category of SC/ST and hence they are also required to secure 60% marks in the written examination.

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4. Syllabus:

The Syllabus prescribed for selection to the post of Junior Engineer (Telecom) against 30% Promotional quota is enclosed as Annexure-‘III’

5. Procedure for written examination:

In terms of Railway Board's Lr. No. E(NG)/I/2018/PM1/4, dated 14.12.2018 (RBE No.196/2018), PCPO/SC's S.C.No.212/2018, the written examination consists of 100% objective and all the questions will be of multiple choice only.

The written examination will be in the mode of pen and paper and will be conducted on OMR sheets.

It is advised to the employees that no corrections of any type to objective type answers will be permitted. In case any correction is made that answer shall not be evaluated at all. The following would tantamount to correction.

- a) Cutting
- b) Overwriting
- c) Erasing
- d) Scoring off a ticked answer in multiple-choice and ticking another answer, and
Modifying the answer in any way
- e) Selecting multiple options

In terms of RBE No. 194/2019 there will be no negative marking in selection against departmental quota where panel is arranged in the order of seniority from those qualified.

The questions on official language will form part of the professional ability for 10% of total marks. The questions on official language policy are compulsory but there shall not be any compulsion on the part of the candidates to answer such questions. (PCPO/SC's S.C.No.47/96)

6. Supplementary Written Examination:

A supplementary examination will be held to the employees who have remained absent themselves from the main examination in the following circumstances with the approval of the competent authority.

- 1) Administration's failure to relieve the employees in time for examination/late intimation of the dates of tests etc.,
- 2) Sickness of the candidate or other reason over which the employee has no control. Unavoidable absence will not, however, include absence to attend wedding or similar function or absence over which he has control. Sickness should be covered by a certificate from the Railway Medical officer.

7. Pre-Selection Coaching:

There shall be no pre-selection training for SC / ST employees who are in the zone of consideration and will be considered against UR vacancies as per the Rly Brd's Lr. No. 83-E(SCT)42/1 Dated 14.04.1983.

8. Question Bank:

In terms of Railway Board's Lr.No.E (NG) I-2006/PM1/34, dated 06.11.2006, CPO/SC's S.C.No.196/2006, updated Question banks covering the complete syllabus is available on official website and the same can be downloaded from the official website of www.scr.in and www.idanrailways.gov.in. It is further advised that there will not be any mandatory limit of questions from the question banks. The controlling officer/supervisor has

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to ensure that the question bank is circulated to all the eligible staff and postponement of selection due to non-circulation of question banks will be viewed seriously.

The answers to the objective questions should be updated with latest instructions/amendments/modifications issued by the Railway Board/HQrs.

9. Date of Written Examination/Supplementary Examination:

It is to be advised to the staff listed in Annexure-I & II that they should be in readiness to appear for the examination at a short notice. The venue and time of examination will be intimated separately.

10. Procedure for drawl of Panel:

The names of the selected candidates will be arranged in the order of seniority but those securing a total of 80% or more marks in the aggregate will be classified as "Outstanding" and placed in the panel appropriately in order of their seniority allowing them to supersede not more than 50% of total employees in the zone of consideration.
(Raily Boards Lr No : E(NG)1/2019/PM 1/20 dated:19.12.2019 (Master circular No.31)

11. Mode of Selection and Qualifying Marks:-

11.0. As per Railway Board's letter No. E(NG)I/2000/PM1/41 dated 20.08.2003 (SC No. 144/ 2004)

Professional Ability: The professional ability of the employees in the field of selection will be adjudged through written test only. The employees must secure 60 % of marks in professional ability as well as in the aggregate.

11.1. The post of JE (Tele) being a safety category there will be no relaxation in qualifying marks for candidates belonging to SC / ST community. They have to obtain minimum of 60 % in written test & 60 % in aggregate (Ref: Para 10.1.1 of SC No. 320/1999).

Factors / Headings	Max. Marks	Qualifying Marks
Professional ability	50	30
Record of Service	30	-
Seniority	20	-
Total	100	60

11.2. Distribution of marks under head of record of Service.

15 Marks	On the basis of grading of APARs /Working Report of last 03 Yrs
10 Marks	On the basis of entries of Awards / Punishments in the SR
05 Marks	On the basis of entries in SR for academic / Tech. Qualifications

11.3. The final panel will be drawn up in the order of seniority amongst the qualified staff in terms of Rly Bd's instructions circulated vide S.C No. 41/2005 dated 18.05.2015. However the employees must secure a minimum of 60 % marks in professional ability and 60 % marks in aggregate, for being placed on the panel. The final panel will also be subject to their being fit in medical classification of A-III only.

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04/06/2021

12. Notifying to the staff:

In terms of Railway Board's Lr.No.E(NG)I-72/PM1/166, dated 26.06.1972, PCPO/SC's S.C.No.213/72, the Senior Subordinate/Supervisor concerned has to furnish a certificate that "the eligible candidates were duly notified of the holding of the test and asked to submit their applications giving willingness or otherwise in writing" and forward the same to Sr.DPO/SC. It should be the personal responsibility of the Senior Subordinate/Supervisor to complete the formality in this respect. It is further advised that any other communication received in respect of the selection should invariably be intimated to all the eligible employees. In case of non receipt of any communication the same may be obtained from the Personnel Department or from the Controlling Officer. Any laxity in this regard will be viewed seriously.

The unwillingness, if any, received from the employees is to be forwarded to Sr.DPO/SC on or before 24.06.2021. The unwillingness submitted after this date will not be accepted and they will be reckoned for selection and no additional persons from the Annexure-II will be called for the selection to make good of the shortfall.

The syllabus for the selection to the post of JE(Tele) against 30% PRQ is enclosed herewith and the question bank for the said selection will be supplied in due course.

The above notification may be circulated to all the concerned.

Encl: Annexure-I, II & Syllabus

SDGM/V/SC → for information and ~~no action~~ please.

(D. Narasimha)
APO/M&EL
for Sr.DPO/SC

Narasimha
for Sr.DPO/SC

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Annexure-I

No	P.F.No.	Name S/Sri	Community	Design.	Stn.	D.O.B	D.O.A	DOE in to grade	Remarks
1	24201975274	B.MAHADEVA RAO	UR	Sr.Tech/TCM	WL/CKL/SC	09.04.1962	07.01.1982	01.11.2003	
2	24205472489	K.RAMESH KUMAR	SC	Sr.Tech/WTM	DKJ	25.05.1962	10.06.1983	12.09.2005	
3	24290332702	A.VISHNUVARDHAN MURTHY	UR	Sr.Tech/TCM	TR/SC	01.05.1963	01.01.1984	14.07.2009	
4	24203375870	C.GIRIDHAR	UR	Sr.Tech/TCM	TR/SC	14.03.1962	01.01.1984	07.01.2010	
5	24203363065	RAJENDER K.	UR	Sr.Tech/TCM	SC	12.06.1964	23.07.1987	18.04.2012	
6	24203363181	SRINIVASA RAO CSM	UR	Sr.Tech/TCM	PRS/SC	13.07.1964	28.07.1986	18.04.2012	
7	24203363302	P.S.R. KRISHNA RAO	UR	Sr.Tech/TCM	PRS/SC	01.08.1966	05.07.1988	18.04.2012	
8	24203376576	RAMESH G	UR	Sr.Tech/TCM	TR/SC	10.04.1967	21.03.1986	18.04.2012	
9	24203376321	SOMASEKHAR B	UR	Sr.Tech/TCM	WL/CKL/SC	04.05.1964	27.08.1986	26.07.2013	
10	24203363170	PARAMESHWAR G	UR	Sr.Tech/TCM	ZN	10.05.1962	23.07.1987	26.07.2013	
11	24211702631	C. MOHAN KUMAR	SC	Sr.Tech/TCM	TR/DL/SC	18.02.1973	27.10.2003	26.07.2013	
12	24203365566	D.MANO HAR	SC	Sr.Tech/WTM	RGP	12.06.1964	07.01.1992	03.10.2013	
13	24203361068	K.V.S. PRASAD	UR	Sr.Tech/WTM	TR/SC	14.06.1961	01.01.1984	01.11.2013	Due for NR 30.06.2021
14	24211700014	RAJU M	UR	Sr.Tech/TCM	HD/F	23.04.1973	20.05.1994	01.11.2013	
15	24211700300	T.SRINIVASA CHAUDARY	UR	Sr.Tech/TCM	KMT	20.06.1973	22.01.1996	01.11.2013	
16	24203364460	CHANDER NARAYAN R	ST	Sr.Tech/TCM	VKB	01.06.1962	14.09.1989	01.11.2013	
17	24203364409	S.KRISTE NAIK	ST	Sr.Tech/TCM	SNF	01.07.1966	16.09.1989	01.11.2013	
18	24203365724	D. YELLAIAH	SC	Sr.Tech/WTM	BD/SC	10.02.1967	02.09.1992	01.11.2013	

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Annexure-II

No	P.F.No.	Name S/Sri	Comm unity	Design.	Stn.	D.O.B	D.O.A	DOE in to grade	Remarks
1	24203365554	SK.AFAQ AHMED HUSSAIN	UR	Sr.Tech/WTM	TR/SC	21.06.1970	07.01.1992	01.11.2013	
2	24201743612	P. VENKATESWARA RAO	UR	Sr.Tech/WTM	PRS	17.04.1962	16.04.1988	01.11.2013	
3	24211701109	BHASKAR B	UR	Sr.Tech/TCM	BD/SC	29.03.1978	13.06.1997	01.11.2013	
4	24203364513	M.SEVYA NAIK	ST	Sr.Tech/WTM	WD	01.05.1964	02.09.1987	01.11.2013	
5	24203364483	V.VENKATA SWAMY	ST	Sr.Tech/TCM	LPI	21.06.1964	15.09.1989	01.11.2013	
6	2421E050569	B.DEVENDER	ST	Sr.Tech/TCM	KZJ	27.01.1980	01.08.2004	01.11.2013	
7	2421E060470	M.SWAPNA	SC	Sr.Tech/TCM	WL	20.07.1986	09.02.2005	01.11.2013	
8	24203365049	Y.BALASWAMY	SC	Sr.Tech/WTM	MDR	30.04.1962	01.09.1991	01.11.2013	
9	24201358376	T. SRINIVASA RAO	UR	Sr.Tech/WTM	SC	25.03.1967	28.08.1991	25.09.2014	

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Syllabus for selection for the post of Junior (Tele) 30%in PB-
2, <9300-34800 + GP 4200

I. Power plant	- Power supply requirements of various Telecommunication installations (OFC hut, EXCHANGE, Control office, way side station, VF Repeater etc.).such as AC power supply distribution arrangements, DC power plant system. i.e. Number of Battery Banks & Mode of Operation, type and Capacity of Battery and Load requirement. - Basic knowledge of Secondary cells LA, VRLA, Nickel Cadmium cells and other rechargeable cells, their advantages and disadvantages. - Maintenance and of Secondary cells, initial charging, float charging, trickle and boost charging of secondary cells. - Different types of battery chargers used, conventional and SMPS based and Voltage stabilizers. - Standby power supply arrangements like UPS, Sol* power Supply arrangements, Generators and its applications. - Requirement of power supply room(s) and Records and Reports to be maintained.
2. Train traffic control system	- Circuits of various types of control communication including those used electrified areas. 4W/2W control telephones, Emergency portable field telephones, installation, maintenance and diagnostics and testing in electrified and non electrified areas. - HQ control office equipment including DTMF signalling equipment. - Way station selective calling DTMF equipment. Control Patching arrangements, control communication over OFC. - Different types communication systems in use for mid section LC gates and their power supply requirements.
3. Line plant practice	- Code of practice of various types of underground cables like PIJF multi pair, quad cables and their jointing procedure. - Cable laying practices and protection arrangements while crossing Track, Roads, Water logging areas, culverts and bridges. - Periodical tests and measurements of underground cables and maintenance practice. - Effects of RE on Telecom circuits - Jointing of cable, cable laying practices - Underground PIJF Telecom cables
4. OFC and Digital Multiplexing	Basic concepts of - OFC cable construction, laying, splicing, termination practices. - Installation, maintenance of OFC and system design concepts. - PDH and SDH digital multiplexing techniques. - Various Digital Multiplexing equipment used for PDH and SDH. - NMS path protection arrangements.

5. Telephone exchanges	Basic knowledge of • Working principles of SPC exchanges, • Different types of exchanges like ISDN, WLL etc. for various applications and inter exchange connectivity in Railways. • Protective arrangements and line termination devices used exchanges. • Knowledge of different types of telephones using Digital DECT, DKT and FCT/FWP etc.
6. Passenger Information systems	Basic Knowledge of • Interactive Voice Response System (IVRS) • Pre recorded Announcement and Auto Announcement System • Train Indicator, Coach Guidance System, At a glance board and their related system hardware and software. • Basic concepts of IPIS. • Clocks - Analogue, Digital and GPS based POET interactive Touch Screen systems etc.
7. Video Surveillance systems	Basic Knowledge of • Hardware and software requirements like different type cameras, servers, backup and NMS • Installation and maintenance of IP based video surveillance systems, Video conference systems and their networking.
8. Data communication	Basic Knowledge of • Data communication equipments like, Hubs, Switches, Routers, LAN extenders, media converters, Modems etc. • Concepts of IP networking of UTS/PRS, FOIS, RAILNET, DATA LOGGERS. • Concepts of Voice logging facilities for various applications.
9. Miscellaneous	• Application of VHF communications in Railway working i.e. Hand held and Portable VHF sets. • Installation maintenance practices of VHF sets, antenna system and their power supply requirement. VHF Frequency channelling plan for different applications/departments. • Application of VSAT connectivity for Railway applications like remote FOIS locations, for accident site video broadcasting etc. • Minimum requirements of telecom equipments in ARTs • Essential requirement of communication facilities at DM room and at important stations during Disasters. • Provision and maintenance of telephones in Inspection carriages. Track recording Cars and other VIP specials. • Public address system, Paging and talkback, load distribution, types of Microphones and Loud speakers. Requirements of Public address system for VIP functions, Conference systems and precautions required to be observed. • Protection arrangements for different telecom installations from lightning. Different types of Earthing arrangements in practice maintenance and precautions to be observed during monsoon. • Accident communication, Mobile communication and optical communication system

10. General	• Establishment matters of day to day nature including Leave rules, Pass rules, Muster Sheets, DAR, Payment of wages act, Workman compensation act, HOER, preparation of rosters for workers. • The Official Languages (Use for Official Purpose of the Union) RULES, 1976 • Imprest stores, Monthly stores returns, preparation of Indents stock and non-stock, Materials at site account, Daily Transaction Register, Returned stores, S 1313 / S 1319 requisition and issue note, works estimates Tool and Plant for maintenance. • Indian Railway Telecom manual • Estimates and type of estimates • Various works program • Tenders and type of tenders • Audit inspection, stock verification
11. Basic theory	• Oscillators, RF and AF amplifiers, modulation and demodulation, AVC, AGC and their characteristics. Basic concepts radio frequency wave propagation, antenna systems. • Electromagnetism , OHMS LAW, KVL&KCL,
12. TCAS	• Basic concept of TCAS