



SOUTHERN RAILWAY
CHENNAI/ DIV

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Name: R BALAJEE (YLZIOR)
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Notification

System Generated Notification No. : MASD/18782/2/S7681/M197/O197

Date : 15/07/2026

Subject : Selection for the post of JE/Tele/PRQ 30%

Last Date of application : 31/07/2026

A. Cadre Details

Department	SIGNAL & TELECOM	Sub-Department	
Cadre ID	Technical Supervisor - S&T - Tele - Open Line (68949)	Cadre Level	Junior Engineer (18782 Pay Level: 6)
Intake Type	PQ	Intake %	30.00%

B. Details of Vacancies

Note : Net vacancy is inclusive of PWBD vacancy as reservation for PWBD is horizontal reservation.

Net Vacancies					PwBD Vacancies				
#	SC	ST	UR	Total		a	b	c	d&e
Total	0	1	1	2	Backlog	0	0	0	0
					Current	0	0	1	0
					Total	0	0	1	0

C.

1. NOTIFICATION No.M/P(S&T)06/2026 Sub: Selection for the post of JE/Telecom in Level 6 of VII PC against 30% Promotional Quota – S&T Dept. Chennai Division. **** It is proposed to conduct a selection for the post of Junior Engineer/Telecom of S&T department of Chennai division in Level-6 of VII PC Pay Matrix against 30% Promotional Quota. The break-up of vacancies is detailed below: UR-1 SC-0 ST-1 - Total 02 [Incl.PwBD/ LD Category-OA,OL,DW,AAV]

D. Service condition

1. The list of Sr.Tech/Telecom of Telecom wing in Level 6 of VII PC Pay Matrix of S&T dept as per the seniority and those who are in the normal zone of consideration in 1:3 ratio is enclosed as Annexure-I (Main list) are eligible to apply for the selection. The employees shown in the Annexure II (Standby list) will be considered for the above selection only to the extent of number of senior employees expressing unwillingness in the Annexure-I (Main List). As per RBE.21/2014, in the event of Sr.Technicians unwilling to seek promotion to the post of JE or adequate number of eligible Sr.Technicians are not available, Technician.I who have completed 2 years of regular service may be made eligible for promotion to the post of JE against Promotional Quota. In terms of DoPT Office Memorandum no 36012/1/2020Estt/(Res II);Dt:17.05.2022,Para.13.01, there are no PwBD employees in the zone of consideration.

E. Required Education Qualification

1. No prescribed educational qualification for JE/Tele/PRQ 30% as the selection is conducted as per the seniority and those who are in the normal zone of consideration in 1:3 ratio.

F. Required Medical Fitness

1. Mandatory Fitness required in

G. Syllabus for the Examination

1. The Syllabus for JE/Tele/PRQ is issued vide PBC No.276/2026;Dt:23.12.2024.

H. Pre Promotional Training Requirement

1. Pre-promotional training will be conducted by the Controlling Officer covering the syllabus for prescribed period for employees belonging to ST community only as 'ST' vacancies are notified - in terms of Railway Board's letter No.96-E(SCT)-1/80/1 Pt.XVII dated 15.12.1997 (RBE 174/1997). In case if any ST employee expresses unwillingness for PPT, a written declaration to that effect may be obtained and forwarded to this office for record.

I. Mode of Selection

1. The selection will consist of CBT and perusal of record of service in terms of Railway Board's letter No.E(NG)2000/PN1/41 dated 07.08.2003. Seniority is also a component of the selection. A candidate has to obtain a minimum of 60% marks in Professional Ability i.e. in CBT for being considered for further selection process of perusal of Service Record. The post of Junior Engineer 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 CBT.

J. Written Examination

1. (i) The selection consists of written test as per Board's letter No.E(NG)/1/2018/PM1/4dated 14.12.2018 (RBE 196/2018). The Question Paper will be 100% Objective type multiple choice questions. (ii) In terms of PBC.No.205/2016, 10% of the total marks will be set on Official Language Policy and Rules. But the questions on the same will not be of compulsory in nature and is purely optional. (iii) Question Papers will be in bilingual [English& Hindi] for the selection as per PBC 176/2025. (iv) In terms of Railway board letter No.E(NG) 1/2018/PM 1/4 dated 14.11.2019 (RBE 194/2019) there will be no negative marking for a wrong answer in selection against departmental quota where panel is arranged in the order of seniority from among those qualified. (v) The written examination will be conducted in Centralised Computer Based Test mode(PBC 02/2025). (vi) Electronic devices will not be allowed inside the examination hall and the violators of the above guidelines will be taken up under DAR. Supplementary written examination: In terms of IREM Para 223(1) (i) (a) to(c), Supplementary written examination will be conducted only for those employees who are not able to attend the main examination due to following circumstances. (i) Those who could not be relieved due to administrative reasons (or) (ii) Sickness(RMC) of the employee (or) (iii) Any other reason which is beyond the control of the employee

K. Procedure of drawal of Panel

1. A candidate must secure a minimum of 60% marks in the Professional Ability and 60% marks in the aggregate for consideration of placement in the panel and the final empanelment is subject to the availability of vacancies. 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 the order of their seniority allowing them to supersede not more than 50% of total field of eligibility. The candidates should be fit in AYE THREE medical classification.

L. Prerequisite for Submission Of Application

1. 1. Employees should fill in the details in the on line mode through HRMS.All basic details should be thoroughly checked before the final submission of application online in HRMS.once submitted no change of details can be done except for change request submitted in the ESS Module. 2.In case any changes to made about the basic data in HRMS,separate requests shall be submitted in the ESS Module with supporting documents and indicate the changes required in remarks column for confirmation of changes warranted before final eligibility. 3.In case of any difficulties, kindly contact the respective section Welfare inspectors or Ch.OS/S&T Cadre at Sr.DPO Office.

M. Grounds for Rejection of Application

1. The administration reserves the right to restrict the number of candidates to be called for Selection in terms of Para.7.2 of Master Circular 31.

N. Post Empanelment Conditions

1. The employees empanelled should undergo training for the period prescribed.(RBE 42/2020). Withdrawal of candidature after selection/empanelment will not be permitted under any circumstances

O. Tentative Timeline

1. last date for submission willingness/option 31/07/2026

P. Attached Annexure List

Sr	Type	Remarks
1	Main List	Annexure-I
2	Stand by List	Annexure-II
3	Syllabus	Annexure-III

Signed by:

R.BALAJEE
APO
SR/CHENNAI /DIV

Copy To (HRMS ID) :

Concerned Employee: MURALIKRISHNA P (BHJDWM)/SR DSTE/SR/(CHENNAI /DIV), ELAMURUGAN K (FDBMLQ)/TECHNICIAN GRADE-I (ELECTRONIC SIGNAL MAINTAINER)/SR/(CHENNAI /DIV), V DANIEL (NYRTQS)/SENIOR TECHNICIAN/SR/(CHENNAI /DIV)

Copy To :

DRM/MAS-For kind information please.
ADRM.III/MAS-For kind information please.
CVO/MS- For kind information please.
Sr.DSTE/I/MAS- For information please.
Steno to Sr.DPO/MAS,
Ch.OS/S&T Branch/Estt.,
O.O.File,
DS/SRMU,DS/DREU,
AI-SC/ST-REA,
AI-OBC-REA.

Annexures

ANNEXURE-I**MAIN LIST FOR SELECTION FOR THE POST OF JUNIOR ENGINEER/SIGNAL 40% PROMOTIONAL QUOTA THROUGH CCBT-2025-26**

Sl No.	Name	HRMS Id	IPAS Id	Designation	Comm	PwBD Status	DOB	DOA	DOEG (For reckoning seniority)
1	E.HEMALATHA.	MEKBAI	15208242628	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	10-06-1971	14-03-2001	19-06-2014
2	K.LOGANATHAN.	DXAIKH	15208247815	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	25-07-1982	28-03-2002	16-05-2015
3	R BINDHUMADHAVAN	PZIYBQ	15204789714	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	23-03-1968	01-09-1992	06-05-2016
4	EKAMBARAM R B	QFSAAQ	15206MAS304	SENIOR TECHNICIAN (TELECOM)(TCM)	ST	Nil	02-07-1975	23-03-2006	31-12-2016
5	BABLU SUKDEV MURMU	ESUMXI	15206MAS260	SENIOR TECHNICIAN (TELECOM)(TCM)	ST	Nil	02-11-1975	23-03-2006	25-06-2018
6	M.SIVARAMAN	GSISYF	15206MAS535	SENIOR TECHNICIAN (TELECOM)(TCM)	ST	Nil	01-04-1979	24-03-2006	25-06-2018

ANNEXURE-II									
STANDBY LIST FOR SELECTION FOR THE POST OF JUNIOR ENGINEER/SIGNAL 40% PROMOTIONAL QUOTA THROUGH CCBT-2025-26									
Sl No.	Name	HRMS Id	IPAS Id	Designation	Comm	PwBD Status	DOB	DOA	DOEG (For reckoning seniority)
1	SUNIL KUMAR	EIYFSL	1528MAS1088	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	05-02-1980	22-08-2007	23-09-2017
2	D VIOLETMARY	KLWMQL	15204788783	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	21-05-1972	24-05-1990	23-09-2017
3	G MUNUSWAMY	ORAYAT	15204912550	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	22-02-1970	26-09-1994	25-06-2018
4	VELMURUGAN K	UNFXAD	15204464692	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	21-06-1968	13-05-1987	27-06-2018
5	R.PRAVEENKUMAR	EJMSCX	15200200014	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	18-12-1983	29-01-2005	25-06-2018
6	A RAMAN	IBSEPR	15204788163	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	03-09-1966	04-10-1988	15-05-2019
7	M JOHN WELLESLEY	ABEGJK	15204788035	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	01-10-1970	02-11-1988	14-05-2019
8	DINKAR ORAON	DLGFXD	15206MAS508	SENIOR TECHNICIAN (TELECOM)(TCM)	ST	Nil	03-03-1981	23-03-2006	23-05-2019
9	R PRAKASH	EHXIXD	15208095097	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	26-04-1977	09-12-1999	07-05-2020
10	R.SANTHA KUMAR	JBQRYN	15208257279	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	27-05-1969	03-12-2003	07-05-2020
11	RVIJAYABABU	HBFPPE	15208259367	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	04-05-1984	03-04-2004	07-05-2020
12	GAJANAN DNYANDEO WAURE	DYCJUM	15206MAS261	SENIOR TECHNICIAN (TELECOM)(TCM)	ST	Nil	13-07-1978	23-03-2006	07-05-2020
13	V.KAMALAKANNAN	MUPPXZ	15250602901	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	15-06-1969	20-01-2006	07-10-2020
14	B.RAMESH	XYKELQ	15250602354	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	05-02-1969	06-01-2006	20-11-2020
15	M.MURUGAPANDIAN	JGBSPZ	15205F00111	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	19-06-1970	17-03-2005	22-06-2022
16	SHASHI BHUSHAN	ZFOXNG	15213MAS837	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	05-12-1985	01-11-2013	22-06-2022
17	RAKESH KUMAR	BIFBZT	15213MAS886	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	15-01-1991	01-11-2013	23-06-2022
18	APPA RAO KONDI	OCKYTG	15213MAS826	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	15-03-1981	01-11-2013	22-06-2022
19	RAJ KUMAR	HOUHCD	15213MAS822	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	25-12-1982	01-11-2013	22-06-2022
20	VIJAY KUMAR	KIZQZA	15213MAS838	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	08-01-1981	04-12-2013	22-06-2022
21	SHASHI BHUSHAN KUMAR	RQZCLN	15213MAS866	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	05-01-1988	04-12-2013	22-06-2022
22	RAMLOCHAN BHANDARI	SDDHWH	15200100493	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	20-03-1974	08-12-1995	22-06-2022
23	K.MANIMEGALAI	FWMBSQ	15204MAS128	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	20-11-1966	29-03-2004	26-06-2022
24	R.PENCHILAMMA	FRFBZH	15208259264	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	24-05-1970	03-04-2004	26-06-2022
25	S.SUGANYA	GJIIGL	15208F00068	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	09-06-1981	11-02-2008	14-10-2022
26	JOE ANTONY D	KEXBDX	15212MAS476	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	20-03-1983	06-07-2012	14-10-2022
27	S.MOHAN	TPDMWX	15212MAS423	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	20-01-1987	06-07-2012	14-10-2022

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SI No.	Name	HRMS Id	IPAS Id	Designation	Comm	PwBD Status	DOB	DOA	DOEG (For reckoning seniority)
28	G.VENGATESAN	TRMAMR	15212MAS424	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	22-04-1987	06-07-2012	15-10-2022
29	G.RAJAMOORTHY	TXKFOQ	15212MS1055	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	17-04-1981	11-01-2013	14-10-2022
30	V.JEBASTIN	KOQRXP	15212MS1047	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	25-07-1986	11-01-2013	14-10-2022
31	P.DEEPAN	YUIRWH	15212MS1104	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	17-04-1987	11-01-2013	22-06-2022
32	M.ARUNACHALAM	DZIBRG	15212MS1049	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	26-07-1987	11-01-2013	23-06-2022
33	ANANTA KUMAR SWAIN	UOZYNO	15213MAS827	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	26-04-1985	17-11-2014	11-11-2023
34	V.VIGNESH	IASFGW	15212MS1048	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	13-11-1993	11-01-2013	09-11-2023
35	RANJEET KUMAR	NXUDUX	15214MAS944	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	15-02-1987	08-04-2014	08-11-2023
36	K.SAMYNATHA PERUMAL	GNEKLZ	53108081852	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	12-05-1981	19-09-2002	08-11-2023
37	K.JAYARAMAN	AIPSGG	15208257000	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	12-05-1975	13-11-2003	12-07-2025
38	R . SEKAR	WOIRKM	15204MAS195	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	19-06-1979	26-03-2004	26-09-2024
39	VIJAYARANGAN .R .K	YFPLKZ	15550802082	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	10- 04-1970	05-01-2008	09-04-2026
40	M.KODANDASWAMY	MXSFSC	15208259355	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	11-6-1985	07-04-2004	10.04.2026
41	J.NAGARAJ	EKGKJ	15212MS1094	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	17-11-1985	12-01-2013	17.04.2026
42	P.PREMNAATH	HWWMMS	15233761232	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	3-5-1991	23-01-2014	10-04-2026
43	PARTHEEBAN R	NHGQGD	15914110002	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	22-10-1985	06-02-2014	09.04.2026
44	KULDEEP CHANDRA PATEL	JAORTH	15911MAS459	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	11-6-1980	01-02-2011	09.04.2026
45	S JOGENDRABABU	STRSDN	15250601866	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	1-5-1970	06-01-2006	09-04-2026
46	T S SRIDHAR	YCKUZW	15206MAS904	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	7-7-1969	04-02-2006	09-04-2026
47	BANDI SREENIVASULU	ZEJAIP	15207MAS443	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	3-1-1979	21-06-2007	09-04-2026
48	SENTHIL KUMAR N	CABRRB	15950601842	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	30-07-1968	09-09-2005	15.04.2026
49	S. VEENA	FFNZOT	15204119199	SENIOR TECHNICIAN (TELECOM)(TCM)	ST	Nil	15-03-1977	01-07-2014	09-04-2026
50	MEENASHI SUNDARAM.M	AEYAZU	15294117168	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	29-12-1977	01-07-2014	09-04-2026

ANNEXURE-II									
STANDBY LIST FOR SELECTION FOR THE POST OF JUNIOR ENGINEER/SIGNAL 40% PROMOTIONAL QUOTA THROUGH CCBT-2025-26									
Sl No.	Name	HRMS Id	IPAS Id	Designation	Comm	PwBD Status	DOB	DOA	DOEG (For reckoning seniority)
51	RAGHUKANNAN.J	SZYRYA	15214119198	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	14-06-1979	30-06-2014	15.04.26
52	D.BERNATSHA	BDQBEW	15229804213	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	19-02-1991	21-03-2018	09.04.2026
53	DHARMENDRA KUMAR	RMJRBE	340N1900201	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	PwBD	28-04-1992	08-08-2014	09.04.2026
54	K.SIVAKUMAR	SUAURN	15250601064	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	30-04-1970	06-01-2006	09-04-2026
55	RAM PRAVESH KUMAR	EGWTLT	15274119195	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	18-07-1990	01-07-2014	20.05.2026
56	RUPESH KUMAR	MCXZLY	15294119163	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	09-02-1992	01-07-2014	19.05.2026
57	N.PAVITHRA	RDFYUT	15229804214	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	12-11-1990	21-03-2018	20.05.2026
58	K.KUMUDHA	NZCXZK	15204MAS129	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	08-06-1979	22-04-2004	20.05.2026
59	KOTTAPALLI CHANDRA RAO	MQPDHJ	15244119191	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	18-06-1984	03-07-2014	19.05.2026
60	MANOJKUMAR.S	KNPTIY	15214MAS609	SENIOR TECHNICIAN (TELECOM)(TCM)	GEN	Nil	02-01-1991	30-12-2014	20.05.2026
61	S.NAVEEN KUMAR	SOSNTZ	15215MS1908	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	Nil	12-04-1990	29-12-2015	20.05.2026
62	JAYAKUMAR D	JKKAZQ	15207MAS358	SENIOR TECHNICIAN (TELECOM)(TCM)	OBC	PWBD	03-05-1977	08-06-2007	20.05.2026
63	MURALIKRISHANAN .S.K	XWNJXY	15206003096	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	10-06-1970	13-07-2011	19.05.2026
64	V.KODIARASU	TGOEJH	15250601039	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	29-05-1968	06-01-2006	19.05.2026
65	DEVENDIRAN E.	EAUYGF	15250600680	SENIOR TECHNICIAN (TELECOM)(TCM)	SC	Nil	12-03-1971	06-01-2006	20.05.2026
66	K.MANIGANDAN	RZNNCX	15215MS2370	TECHNICIAN GRADE-I (TELECOM)(TCM)	GEN	Nil	06-01-1996	29-12-2015	24-11-2023
67	N.BABUKANNAN	ITBZCB	15250601854	TECHNICIAN GRADE-I (TELECOM)(TCM)	OBC	Nil	30-06-1971	09-01-2006	24-11-2023
68	HARI V	PQYMNb	15212MAS116	TECHNICIAN GRADE-I (TELECOM)(TCM)	GEN	Nil	01-05-1979	03-05-2012	24-11-2023
69	S.IMDIAS	JYEQQP	15250600977	TECHNICIAN GRADE-I (TELECOM)(TCM)	GEN	Nil	27-03-1969	07-01-2006	11-12-2023
70	P.LOURDUSAMY	OSIUJA	15250600709	TECHNICIAN GRADE-I (TELECOM)(TCM)	OBC	Nil	12-02-1971	06-01-2006	24-11-2023
71	G.JENSY	TFPNFT	15209040062	TECHNICIAN GRADE-I (TELECOM)(TCM)	OBC	Nil	26-03-1989	03-07-2009	24-11-2023
72	SHAIK RAHEEM	ADHLFU	15212MAS475	TECHNICIAN GRADE-I (TELECOM)(TCM)	GEN	Nil	03-04-1988	06-07-2012	24-11-2023
73	K.HARIHARAN	GTLEQR	15244119174	TECHNICIAN GRADE-I (TELECOM)(TCM)	SC	Nil	16-06-1988	02-07-2014	24-11-2023
74	PRABHU G	NYLWJK	15209MAS423	TECHNICIAN GRADE-I (TELECOM)(TCM)	OBC	Nil	23-05-1983	05-12-2009	24-11-2023
75	M.SEKAR	XGYRSZ	15250601830	TECHNICIAN GRADE-I (TELECOM)(TCM)	OBC	Nil	02-12-1967	13-01-2006	24-11-2023
76	D.BAKYARAJ	HJMZFQ	15214A00058	TECHNICIAN GRADE-I (TELECOM)(TCM)	OBC	Nil	10-02-1988	20-10-2014	29-11-2023
77	KESAVALU A	XUGOPD	15906180007	TECHNICIAN GRADE-I (TELECOM)(TCM)	GEN	Nil	05-05-1985	09-08-2006	24-11-2023

JE/TELE (PQ/LDCE)

SYLLABUS FOR THE EXAMINATION FOR SELECTION TO THE POST OF JE(TELE)

The question papers for the examination will consist of following Items:

1. General Rules & Safety
2. Train Control Communication
3. Optical Fibre Communication & Quad Cable
4. Exchange
5. Data Communication & Security
6. Mobile Train Communication
7. Other Communication
8. Passenger Amenities
9. Power Supply and Lightning Protection
10. Stores, Establishment & Accounts Matters
11. Official Language- Policy and Rules

1. General Rules & Safety:

1.1. General:

- a. Organization Structure of Railways and S&T Department.
- b. Organization Structure of S&T.
- c. Must have adequate knowledge of all working rules, manuals circulars, check list and procedures including General and subsidiary Rules(Means of communication & Total interruption of communication .etc).
- d. Block working manual.
- e. Railway Accident Manual.
- f. Telecom Manual.
- g. RE practices.
- h. Schedule of Dimensions.

1.2. Safety :

- a. Passenger Safety by duly following Safe working Rules.
- b. Personal safety while working on the Railway Track, RE area, LC gates.
- c. Fire Safety-Automatic Fire Detection & Suppression System.
- d. First aid and cleanliness.
- e. Knowledge of Hand signals.

TW
19/12

- f. SOD for telecom.
- g. Disconnection / Reconnection.
- h. Disaster Management:
 - (i) Vital communication facilities at the accident site.
 - (ii) ART/MRV communications..
 - (iii) EMC/Portable communication.
 - (iv) Call Centre.

2. Train Control Communication:

- a. Control Communication
- b. Types of control circuits in Railways, DTMF
- c. Headquarters equipments/ Way station equipments
- d. Power supply arrangements
- e. Routine tests
- f. EMC-Portables telephones
- g. RE/Non RE/OFC controls
- h. Radio patching.
- i. Digital Voice Recorders
- j. Hot line telephone arrangement communication to LC and yards.
- k. LC gate magneto communication
- l. Electronic Gate telephone
- m. Voice Logger for Control Communication
- n. VoIP over TCCS

3. Optical Fibre Communication & Quad Cable:

- a. Specification of cables, Types, cable construction.
- b. Cable laying procedure/Protection.Termination.
- c. Splicing.
- d. Power budgeting, Testing and measurements.
- e. Measuring instruments.
- f. OTDR Fault localization.STM 1,4,16, SDH equipment (Installation & Maintenance)
- g. PD-MUX
- h. Power supply requirement.
- i. 6 quad cable and derivation cables.
- j. Laying practices in the RE & NON RE area.
- k. Precautions.
- l. Cable Joints/Terminations.

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- m. Block working in Quad cables and OFC.
- n. Testing - Measuring instruments (Multimeter, Voltmeter, Cable Meggering equipment, Hydrometer, Earth tester).
- o. Fault localization/Restoration, Cable fault locator, Cable route tracer.

4. Exchange:

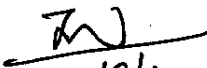
- a. ISDN Exchanges, Digital Exchanges, Mini Exchanges, Electronic Exchanges.
- b. IP Exchanges
- c. VoIP Asterisk based Exchange
- d. Planning-Installation - maintenance.
- e. Exchange U/G cable laying, terminations, Testing, Fault tracing.

5. Data Communication & Security:

- a. TCP/IP & Networking
- b. DATA modem, Routers, Hub, Firewalls, switches Statistical MUX, servers, DSL modems Basic principles of Data communicating and applications.
- c. IP-MPLS
- d. Railnet
- e. PRS, UTS.
- f. FOIS & COIS
- g. Remote V-Sat terminals.
- h. Cyber Security Arrangements.
- i. Video Surveillance System, ISS
- j. Data logger based Train Information System and networking including e-TSR, COA
- k. NMS for IP-MPLS, OFC, other data circuits.
- l. E-Mail/E-office

6. Mobile Train Communication:

- a. VHF-Walkie-talkie/Base station, Power supply/charger, Antenna, Maintenance.
- b. WPC, SACFA
- c. Long term Evolution
- d. Tower design, types of towers - Maintenance.
- e. Various types of antenna & fixtures.


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- f. Measurements - Instruments.
- g. Radio patch arrangements.
- h. UHF/VHF communication system.
- i. R.F cables, I.F cable, wave guides, Coaxial cables and connectors.
- j. Power supply with charge discharge system.

7. Other Communications:

- a. CUG phones.
- b. Video Conference System, TeleConference System, TPAAS, Biometric, Periodic Maintenance and Breakdown of TVs, Monitors, Computer System, Projectors, Smart TV, Cable TV System.
- c. Auditorium conference system-Audio & Video conference.
- d. Audio, video, and data communication arrangements for VIP functions

8. Passenger Amenities:

- a. PA System: conventional/Microprocessor based types/ PC based.
- b. IPIS - PA system, TIB, CGDB and communication on trains .
- c. WiFi, POET, Touch screen.
- d. Digital clock (GPS System).
- e. NTES and DTES.
- f. IVRS.

9. Power Supply And Lightning Protection:

- a. Charger - SMPS and other types for Tele. Applications.
- b. Stabilizers of different types.
- c. UPS, DC-DC converter & inverter.
- d. Diesel generators, installation and Maintenance.
- e. Batteries- Primary and Secondary Cells.
- f. Low Maintenance cells, Valve Regulated lead acid (VRLA) Battery, Solar panels
- g. Lithium-ion, NIMH Cells.
- h. Earthing for OFC, Quad, Exchanges and other equipment-installation, measurement, maintenance.
- i. Surge protection device (SPDS) and applications.
- j. Class A, B, C protection Practices.

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10. Stores, Establishment & Accounts Matters :

- a. Workman compensation Act
- b. HOER
- c. DAR major penalties & Minor Penalties.
- d. Various types of leave rules, Pass Rules and other welfare measures.
- e. Imprest stores
- f. Consumable Stores
- g. Dead Stock , T&P maintenance & DMTR
- h. Written of stores and custody
- i. Stock verification & theft of stores
- j. Preparation of various tender, work orders, non- stock indents etc.
- k. Accounts matters including material at site accounts, completion reports etc.

11. Official Language Policy and Rules :

- a. A, B & C regions, various incentives issued for implementation of Raj Bhasha.
- b. Equivalent words in Raj Basha for certain words in English.
- c. Usage of RajBhasha in official correspondence.

**GIDDALURI
NAGENDRA
PRASAD**

Digitally signed by
GIDDALURI NAGENDRA
PRASAD
Date: 2024.12.19
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