South Eastern Railway

Office of the
General Manager (P)
Garden Reach; Kolkata – 43

No.SER/P-HQ/GAZ-CON/260/10/ASTE(70%)/2021 **Dated: 22.10.2021**

The PCSTE/PCPO/ SDGM –SER/GRC
The CSE/CCE/CSTE(Con)/CSTE(Proj)/CSTE(Plg) - GRC
The Dy.CSTE(HQ), Dy.CSTE-Con(HQ) - GRC
The DRM(P)/Sr.DSTE - ADA,CKP,KGP,RNC
The Principal/STTC/KGP, APO(HQ))-GRC
The Director/IRISET/ Secunderabad.
The Director/Signal, Railway Board/NDLS

Sub: Selection for formation of a panel of ASTE (Gr.B) against 70% quota-S&T Department for the assessment year 01.01.2021 to 30.06.2023.

It has been decided by the Competent Authority that the written test for formation of a panel of 04 (UR-01, SC-2, ST-1) vacancies of ASTE (Group-B) against 70% promotional quota, for the assessment year 01.01.2021 to 30.06.2023, of S&T Department will be held shortly. Accordingly, a provisional list of senior most willing and eligible candidates from integrated seniority list constituting "zone of consideration" and SC/ST candidates from "extended zone of consideration" are furnished as **Annexure 'A'**; who will take part in the selection. The name are arranged as per inter-se seniority, as received from APO(HQ)/GRC's letter no. SER/P-HQ/EN/260/9/ASTE(70%) dated 05.10.2021.

SCHEME OF EXAMINATION:

A) In terms of Railway Board's letter No. E(GP)2018/2/31 dated 19.03.2019(RBE 53/2019) the written examination will comprise of one Paper which will have **100% Objective type Multiple choice Questions** with negative marking; @1/3 of the marks allotted for each question will be deducted for each wrong answer. The paper will be of **100 marks** and distribution will be as under:

i. Technical Subject including Official language policy : 70 marks
(NOTE: There will be 10 marks on Official Language Policy, which shall be optional in nature).
ii. Establishment and Financial Rules : 30 marks
iii. **Qualifying marks: 60** (out of 100).

The successful candidates in the written examination will be called for viva-voce test subject to being found medically fit in the prescribed medical standard.

B) Marks distribution for Viva-voce:

	Max. Marks	Qualifying marks
1. Record of service (Assessment of APARs)	25	30 (Including minimum 15 marks in record of service)
2. Viva-voce	25	

Syllabus: A copy of syllabus on Technical Subjects is enclosed herewith for guidance of the candidates.
Pre-selection training for a period of 3-4 weeks will be imparted to the SC & ST candidates by the Department concerned. Candidates who are not willing to join the PST programme should submit their unwillingness, in writing, to their controlling officers concerned.
Date of written test: will be notified shortly.

The Controlling Officers, Sr.DPOs /DPOs should ensure that the ACRs of the candidates who have volunteered for the above examination, for the last 5 years complete in all respects is available with them. It is the responsibility of the Controlling/Staff Officer that if any adverse remarks or the point below the bench mark in the ACR of any candidate is detected, the same should be informed to the candidate and dispose the representation, if received, immediately.

Encl: As stated.

22.10.21
(Ravi Kumar)
Dy. Chief Personnel Officer(Gaz)
for Pr.Chief Personnel Officer.

Annexure – A

(Annexure to PCPO /GRC's notification no. SER/P-HQ/GAZ-CON/260/10/ ASTE(70%)/ 2021 Dated: 22.10.2021)

List of Senior-most willing and eligible candidates constituting "Zone of consideration to take part in the 70% selection of ASTE (Gr. B)

Sl	Name (S/ Sri)	Community	Desgn./ STN/ Divn	Position in the integrated seniority
1.	Lal Sachidanand	SC	SSE/Tele/CKP	1
2.	Zia Ahmed		SSE/Sig/ KGP	4
3.	S.K. Senapati		SSE/Tele/CKP	8
4.	P.K. Das		SSE/Sig./ KGP	13
5.	Ajay Kumar Ray		SSE/Sig./GRC	17
6.	Nain Singh	SC	ASTE/RE- Rly. Board (Lien as SSE/SIG/CKP divn.)	18
7.	Vibhakar		SSE/Sig./ CKP	19
8.	P.S. Mukherjee		SSE/Sig./ CKP	20
9.	Chanchala Shankar	SC	SSE/Sig./ CKP	21
10.	Sanjay Das	SC	SSE/Sig./ KGP	22
11.	Rusa Bhagat	ST	SSE/Sig./RNC	23
12.	Raghu Nath Sharma		SSE/Tele/ ADA	25

List of willing and eligible SC/ST candidates from "Extended zone of consideration" to take part in the 70% selection of ASTE (Gr. B)

Sl	Name (S/ Sri)	Community	Desgn./ STN/ Divn	Position in the integrated seniority
13.	B.D. Tirkey	ST	SSE/Sig./ CKP	35
14.	Abhijit Mondal	SC	SSE/Sig./CKP	42
15.	Rajesh Kumar	SC	SSE/Sig./RNC	44
16.	Raimax Toppo	ST	SSE/TELE /RNC	54

NOTE:

1. If any discrepancy is noted in the integrated seniority list of candidates, the same should be informed to this office within 15 days from issue of this letter. If no intimation is received within the prescribed period, the list will be treated as Final and selection will be processed accordingly.
2. If any candidate is subsequently found ineligible for the above selection at any stage, his/her candidature will be rejected.
3. Efforts may be made to ensure acknowledgement of this Zone of Consideration among the candidates concerned. In case any candidate is on leave or on deputation to other Railways / Units or on sick list, the Controlling Officer concerned should send necessary advice to the authority under whom he/she is working or the Medical Authority as the case may be and an acknowledgement obtained.

NOTE: This is also being uploaded on **www.ser.indianrailways.gov.in.** Candidates have to check the website for any further update.

22.10.21

for Pr.Chief Personnel Officer

Syllabus for 70% ASTE Gr B exam

Signaling:

Essential of signaling, procedure for commissioning of Signaling installation, Mechanical & Electrical Interlocking, Interlocking plans, Block Signaling, Electro-mechanical & Electrical Signaling, Automatic Signaling, Panel Interlocking, Route Relay Interlocking, IBS, LC interlocking, Axle Counter (UAC, SSDAC, MSDAC), Track Circuits, ATP (TPWS, Kawach-TCAS), Electronic Interlocking(EI), Data Loggers & Networking, LED Signals, Block Proving by Axle Counter (BPAC), Train Management System (TMS), ELD, S&T cables, Integrated Power Supply(IPS), Earthing, Lightning & Surge Protection, CTC.

Telecommunication:

Underground cable system, control office and way station and emergency control communication equipment, Telephone exchange-automatic, specialized communication and allied equipment like STM, DWDM etc in Railways, comprising HF, VHF and Microwaves, GSM-R/Tetra/LTE for Mobile Train Radio Communication, OFC and Quad cable, Communication in RE area, Data communication and IP Network, Digital Electronic Exchange, IP Exchange, ISDN, Network Management Systems, network for PRS, FOIS, TMS, UTS etc, Concept of GPS, PIS, Wi-Fi, Ethernet radio, CCTV, Satellite communication, Tunnel Communication, Internet Protocol IPv4/IPv6, GPS.

Workshop Practice:

Raw Materials, Processing, Workshop machines and their utilization, Overhauling procedure and Practices, Inspection and Testing of components, Testing procedure, commissioning and measurement, Integration, Testing and Certification of IPS/SMPS, DC-DC Converters, Invertors & Battery Charges/ Float Rectifiers, Block Instrument and Relays, Relay Technology-Different Type of Relays and their working, Block Instruments and Point Machines, Quality control and Safety Practices.