EAST COAST RAILWAY

Office of the
Principal Chief Personnel Officer
Rail Sadan
Bhubaneswar-751017

No.ECoR/Pers/Gaz/S&T/ASTE-70%(CBT)/23-24 Dated: 14.11.2022

The PCSTE-ECoR/BBS.
The CAO(Con)/BBS, CPD/RE/BBS.
The Dy. CVO, SPO(Con)/BBS, SPO(Con)/VSKP.
The Sr. DPO-KUR, WAT & SBP.
The Sr. DSTE- KUR, WAT & SBP.
The CWM/CRW/MCS, WPO-CRW/MCS.
All Concerned.

Sub: Formation of Gr.B/S&T Panel of ASTE against 70% selection quota through CBT for the assessment period 2023-24 in S&T Department/ECoR.

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1. It has been decided by Railway Board to hold Centralized Computer based objective type examination (CBT) for formation of Group-B S&T Panel of 06 posts (04-UR, 01-SC & 01-ST) of ASTE against 70% selection quota vacancy in S&T Department of East Coast Railway for the assessment period 2023-24.

2. As per Railway Board's letter No. E(GP)2022/2/4 dated 18.10.2022, the CBT Centralized Computer based objective type examination shall be held on 22.01.2023 (Sunday) by DG/NAIR. The time and venue of the CBT will be intimated in due course.

3. **Conditions of Eligibility:**

   I. As per Recruitment Rules for the Group-'B' post of Assistant Signal & Telecommunication Engineer published by Railway Board vide Notification No. 2016/E(G)RR/15/2/S&T dated 22.02.2021, Non-Ministerial Group-C staff of S&T Department and are holding the posts in Level-6 and above in the pay matrix with three years of regular service in level-6 and above (including regular service rendered in the corresponding pre-revised grade), are eligible to appear for the selection.

   II. Where juniors who have completed their qualifying or eligibility service and are being considered for promotion, their seniors would also be considered provided they are not short of the requisite qualifying or eligibility service by more than half of such qualifying or eligibility service or two years, whichever is less, and have successfully completed their probation period for promotion to the next higher grade along with their juniors who have already completed such qualifying or eligibility service.

   III. The service will be reckoned as on **01.01.2023.**

4. A provisional list of 25 Nos. of eligible candidates (18 candidates in order of seniority as per Integrated Seniority list published vide letter No. ECOR/Pers/10/Prov. Inte. Seniority/S&T/Circulation dated 31.10.2022 in terms of per Para-8.1 of M.C No. 68 and 07 against twice failed candidates) of S&T Department who have completed minimum three years of non-fortuitous service in Pay Level-7 as on 01.01.2023 (Cut off date) and are coming in the zone of consideration for the assessment period of 2023-24 is enclosed at Annexure-A. Also an additional list of 18Nos. of candidates, next in order of seniority of S&T Department of ECoR who have fulfilled the eligibility criteria are placed in the Stand-by List at Annexure-B. Against any unwilling candidate of Annexure-A, the willing candidate of Annexure-B may be considered for the CBT to the extent of making good the zone of consideration.

5. The candidature of the candidates is accepted provisionally. In case, any candidate is subsequently found ineligible for the above selection at any stage, his/her candidature will be rejected without any further notice.

6. The eligible candidates enlisted at Annexure-A & B should submit their options (willingness/unwillingness) **on or before 28.11.2022** in the attached format (Annexure-C) to the concerned Controlling Officers/Personnel Officers and the same should be forwarded to the Dy.CPO (Gaz) **on or before 01.12.2022** positively in a consolidated statement along with the individual options.

7. It is the employee's responsibility to advise his/her willingness/unwillingness to take the selection, and failure to respond or to provide the intimation within the period allowed will be treated as unwillingness on his/her part to take the selection. If willingness/unwillingness is not received within the above mentioned stipulated date, it will be deemed that the candidate has availed of the opportunity of appearing in the selection & it will be treated as his/her unwillingness to take the selection.

8. In case any candidate is on leave or on deputation to other Railways/Units/office or on sick list, the Controlling officer concerned and the offices where he/she last worked 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. Options of the staff concerned need not be sent to this office directly. Controlling officers/Personnel officers should ensure that options received by their offices after **28.11.2022** should not be forwarded to this office under any circumstances. <u>All the particulars filled by the applicants at Annexure- C (Option form) should be verified by Personnel Officers before forwarding to HQrs office</u>. Their IPAS numbers, HRMS ID, Mobile numbers and e-mail ID should be verified since the examination will be conducted through CBT and all future correspondences with the applicants will be done with their IPAS, Mobile number and e-mail ID.

9. Pre-Promotional Training (PPT) for a period of 60 hours or 15 working days/On line/Off line to the enlisted and willing SC/ST candidates should be arranged by the Executive side in terms of Railway Board's letter No. E(GP)2022/2/4 dtd. 18.10.2022. **<u>The same should be completed by 31.12.2022 positively and compliance report to be sent to this office immediately</u>**. As it is mandatory, refusal, if any, should be obtained in writing.

10. **Objective and Scheme of Examination:** The examination aims at a comprehensive assessment of knowledge of the candidates related to their professional ability, Official language policy, Establishment and Financial Rules. ***The formation of the panel will be on the basis of 'Seniority-cum-Suitability'***. Selection of candidates for empanelment is based on a (i) CBT Examination on a single day, (ii) Viva-voce (with prior Medical Fitness test) and Assessment of Record of Service by the Selection Committee vide Para- 10.1 to Para 10.2 of Master Circular No. 68.

11. **<u>CBT Examination:</u>** In order to bring objectivity to the Selection process, it has been decided by Railway Board vide letter No. E(GP)2022/2/4 dtd. 07.10.2022 read with RBE No. 53/2019 that the CBT examination shall comprise of one Paper which shall have 100% Objective type Multiple Choice Questions only. The paper will be of 100 marks with distribution as given below:-

    a) Professional Subject including optional questions of 10 marks on Official language policy & Rules : 70 marks

    b) Establishment and Financial Rules : 30 marks

    c) Qualifying marks : 60

    d) All objective type questions carry equal marks.

    e) There shall be negative marking for incorrect answers. One-third of the marks allotted for each question will be deducted for every wrong answer as per RBE No. 53/2019.

    f) The duration of the examination for 70% selection through CBT shall be of **<u>02 hours.</u>**

g) **Syllabus:** The syllabus as prescribed by Railway Board vide letter No. E(GP)2022/2/4 dtd. 07.11.2022 for 70% selection for Group 'B' post of ASTE including syllabus for Establishment & Financial Rules in S&T Department is enclosed.

12. Viva-voce & Record of Service:

	Maximum Marks	Qualifying marks
1. Viva-voce	25	30 (Including at least 15 marks in the record of Service)
2. Record of Service	25	

13. The Controlling Officers/Sr.DPO/DPO/WPO/SPO of concerned Unit/Division should ensure that the ACRs/APARs of the candidates for the last five years i.e. 2017-18 to 2021-22 completed in all respects, SRs & Personal files are kept ready with them and they should send the same to Dy. CPO(Gaz) when called for.

14. In terms of Railway Board's letter No. E(GP)80/2/8 dtd. 31.10.91 only those candidates who qualify in the medical examination of prescribed standard are eligible to appear in the viva-voce test.

15. The above Notification is uploaded in ECoR website: www.eastcoastrailways.gov.in → Recruitment Info → Recruitment Information → Click Here for HQ Notifications.

Encl: (i) List of candidates (Annexure-A & B).
(ii) Application Format (Annexure-C)
(iii) Syllabus

14/11/22

(H.K. Mahanand)
Dy.Chief Personnel Officer (Gaz)
For Principal Chief Personnel Officer

Copy to: (1) Sr. System Manager (IT)/BBS for uploading in ECoR's website.
(2) The Genl. Secretary- ECoRSC/BBS, ECoRSU/BBS, AISCSTREA/BBS, AIOBCREA/BBS.
(3) Notice Board.

14/11/22

For Principal Chief Personnel Officer

Annexure-A

Provisional list of candidates of S&T Department for ASTE-70% Selection 2023-24

Sl. No.	Name (Shri)	Design.	Comm.	Lien Unit	Working Station	Date of Birth	Effective date of seniority
1	Ashok Kumar Patra	SSE(Sig)	UR	HQ	HQ/BBS	24.06.1971	09.10.1998
2	B. Rambabu	SSE(Sig)	UR	WAT	Proj/VSKP	30.11.1963	20.02.2003
3	Sunil Choudhury	SSE(Sig)	SC	HQ	RE/BBS	08.02.1971	15.03.2003
4	B.K. Suna	SSE(Tele)	SC	WAT	Con/WAT	19.12.1977	01.05.2003
5	K. Kisan	SSE(Tele)	ST	SBP	Con/SBP	01.05.1963	17.10.2003
6	Sachidanandaa Dash	SSE(Tele)	UR	HQ	Proj/BBS	05.08.1963	01.11.2003
7	Mohan Behera	SSE(Sig)	SC	SBP	SBP	19.06.1964	07.05.2004
8	A.K. Yadav	SSE(Sig)	UR	HQ	HQ/BBS	30.06.1968	08.02.2005
9	Dharmendra Tiwari	SSE(Sig)	UR	HQ	Proj/BBS	10.10.1964	21.03.2005
10	M.K. Das	SSE(Sig)	UR	HQ	Con/BBS	01.08.1974	06.09.2005
11	Gopabandhu Sahoo	SSE(Sig)	UR	HQ	Con/BBS	25.06.1974	06.09.2005
12	Prasanna Ku. Behera	SSE(Tele)	SC	KUR	BALU	23.04.1972	18.10.2005
13	Amaresh Kumar Mondal	SSE(Sig)	UR	HQ	Proj/BBS	13.06.1977	18.10.2005
14	Dayaram	SSE(Sig)	SC	SBP	SBP	06.03.1971	05.12.2005
15	Tapash Bose	SSE(Sig)	SC	HQ	HQ/BBS	13.08.1978	30.01.2006
16	Duna Jagadish	SSE(Tele)	UR	WAT	Con/KRPU	07.06.1980	30.06.2006
17	K. Rajalaxmi	SSE(Tele)	UR	HQ	HQ/BBS	01.07.1970	17.11.2006
18	Dushasan Sahoo	SSE(Tele)	UR	HQ	HQ/BBS	04.04.1964	17.11.2006
19	Ravindra Prasad	SSE(Sig)	UR	WAT	WAT	01.12.1963	17.11.2006
20	J. Vijay Kumar	SSE(Tele)	UR	WAT	Instructor/ WAT	12.05.1970	17.11.2006
21	Santosh Kumar Pani	SSE(Tele)	UR	KUR	CIKR	01.07.1973	27.11.2006
22	E.S. Chowdary	SSE(Tele)	UR	WAT	IRISET/SC	10.06.1968	17.11.2006
23	B. Roy Choudhury	SSE(Tele)	UR	HQ	Con/BBS	27.02.1972	17.11.2006
24	Shailendra Kumar	SSE(Tele)	UR	KUR	KUR	01.03.1977	26.03.2007
25	Brundaban Sahoo	SSE(Tele)	UR	HQ	HQ/BBS	05.04.1973	26.03.2007

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Annexure-B

Provisional List of Standby Candidates of S&T Department for ASTE-70% Selection 2023-24

Sl. No.	Name (Shri)	Design.	Comm.	Lien Unit	Working Station	Date of Birth	Effective date of seniority
1	S.K. Nayak	SSE(Sig)	UR	HQ	Proj/BBS	05.07.1973	03.04.2007
2	S.N. Dutta	SSE(Sig)	UR	WAT	Con/WAT	14.06.1973	03.04.2007
3	Devendra Mourya	SSE(Sig)	SC	WAT	RDSO	15.01.1977	03.04.2007
4	A.K. Ray	SSE(Sig)	UR	HQ	Con/BBS	02.11.1978	03.04.2007
5	P.S. Narendra	SSE(Sig)	SC	HQ	Proj/BBS	02.06.1975	03.04.2007
6	Bichitrananda Pradhan	SSE(Sig)	UR	KUR	BBS	10.07.1971	03.04.2007
7	Anant Kumar	SSE(Sig)	UR	HQ	HQ/BBS	01.03.1977	03.04.2007
8	Lal Bahadur	SSE(Sig)	UR	SBP	Con/SBP	06.07.1981	03.04.2007
9	A.S. Biswas	SSE(Sig)	SC	WAT	RDSO/LKO	21.12.1979	03.04.2007
10	D. Vishwapani	SSE(Tele)	SC	WAT	Con/KRPU	11.05.1972	30.04.2007
11	Pradyuman Parida	SSE(Sig)	UR	KUR	PURI	07.07.1976	02.05.2007
12	Suvendu Kumar Gon	SSE(Sig)	UR	KUR	Con/BBS	11.03.1975	01.02.2008
13	A.P. Swain	SSE(Sig)	UR	HQ	Con/BBS	18.05.1980	01.02.2008
14	B.C. Soren	SSE(Sig)	ST	HQ	Proj/BBS	23.01.1980	01.02.2008
15	K. R. Krishna Rao	SSE(Sig)	UR	HQ	Con/BBS		26.06.2008
16	Dh. Srinivasa Rao	SSE(Sig)	UR	WAT	Con/JDB	11.02.1974	26.06.2008
17	Balraj Buddha	SSE(Sig)	UR	HQ	Con/BBS	02.03.1985	09.07.2008
18	A.B. Rajguru	SSE(Sig)	UR	HQ	DSO/KUR	03.03.1973	24.04.2009
19	R.G.S. Rampa	SSE(Sig)	UR	WAT	KTV/WAT	09.08.1976	24.04.2009
20	Binaya Bhusan Jethi	SSE(Sig)	UR	KUR	KUR	05.02.1978	24.04.2009
21	Gourahari Sahu	SSE(Tele)	UR	SBP	SBP	10.10.1969	17.06.2009
22	D.K. Sahoo	SSE(Tele)	UR	WAT	Con/VSKP	05.06.1982	17.06.2009
23	Niruparaj Mohapatra	CVI	UR	KUR	HQ/BBS	06.07.1977	17.06.2009
24	Rupesh Kumar Nanda	SSE(Tele)	UR	HQ	HQ/BBS	20.07.1976	24.07.2009
25	S.K. Behera	SSE(Sig)	SC	KUR	TLHR/KUR	11.06.1983	15.09.2009

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Annexure-C

East Coast Railway

Application for Selection to Group-B post of ASTE against 70% selection for 2023-24 (CBT)

OPTION: Whether Willing/Unwilling ……..……

1. Name of the Applicant :
2. Designation :
3. Place of posting :
4. Community (UR/SC/ST) :
5. Date of Birth (DD/MM/YYYY) :
6. IPAS No. (in 11 digits) :
7. HRMS ID :
8. Controlling Officer :
9. Unit/Division :
10. Mobile No. :
11. Email ID (in capital letters) :
12. Date :
13. Whether belongs to PwBD category : YES / NO (please tick)

(i) If yes, please specify the category with %age

(ii) Whether Scribe is required : YES / NO (please tick)

Signature of the candidate

Counter signature of the controlling officer:
(With Designation and seal)

(**Note: Willingness/Unwillingness to be submitted on or before 28.11.2022**)

Proforma of statement for submission of options by Divisions to HQs.

Sl. No	Name, Design/ station	I-PASS No.	Comm. (UR/SC/ ST)	Place of posting	DOB	HRMS ID	Controlling officer	Unit/ Division	Mobile No.	E-mail ID	Whether belong to PwBD (with Specification)

Syllabus for promotion to Group- B posts - 70% selection and 30% LDCE.

Syllabus for Establishment Rules:

1 Organization of the Personnel Department in Railways objectives functions and policies of Personnel Department.

2. Recruitment and Training, Classification of Services, Recruitment in Different services, Railway Recruitment Boards & Railway Recruitment Cells Compassionate Ground Appointments, Initial & In Service Training, Refresher Courses, Central Training Institutes, Training Centers in Zones, Divisions & Workshops, Training Modules for different posts, Training under Apprentices Act, Online Training, APARs.

3. General conditions of service in Railways, Seniority, Lien, Inter Railway & Inter Division transfers, Deputation, Promotion Policy & methods. Selection, Suitability, Trade Tests, Leave Rules, Pass Rules, Joining Time Reservation policy, HOER, Overtime, Payment of wages, current CPC Pay Rules, Advances in Railways.

4. Manpower planning, Rightsizing & Benchmarking, creation, extension and surrender of posts, creation of posts against new assets, different types of posts including workcharged posts.

5. The Railway Servants (Discipline & Appeal) Rules, 1968 and related instructions.

6. The Railway Services (Conduct) Rules, 1966 and related instructions.

7. Retirement benefits, qualifying service, pension, family pension, commutation gratuity, new pension scheme.

8. Staff welfare, SBF, Railway institutes, Railway schools, Ex-gratia payment, Incentive Bouns Scheme, Staff Grievances Redressal Mechanisms.

9. Industrial relations in Railways, recognized trade unions, industrial disputes. The Industrial Disputes Act, 1947. The Industrial Relations Code, 2020. The Trade Unions Act, 1926, PNM, PREM, JCM, Various Associations & Informal Meetings.

10. The Factories Act, 1948. The workmen’s Compensation Act, 1923. Functions of Labour Enforcement Officers, Right to Information Act.

11. The scope of Information Technology in Railway e – office. HRMS, IPAS , LIMBS, ARPAN, CPGRAMS, ANUBHAV etc.

Syllabus for Financial Rules:

1. Parliamentary Control over Railway Finance, Public Accountability, Cannons of Financial Propriety.

2. Railway Budget - Budgetary terms, Types of Budgets, Budget cycle, Demand of Grants, Budgetary and Financial Reviews.

3. Rules of Allocation - Classification of expenditure - Control of expenditure - Responsibility Accounting - Performance Budgeting - Exchequer Control - Financial Results of Working lines.

4. Works Programme - Financial justification of Works - Surveys - Preparation of Estimates - Capital Budget - Control over Capital Expenditure - Reappropriation of Funds.

5. Financial control over Stores Expenditure - Purchase and Stores Keeping Procedure - Inventory Control and ABC Analysis.

6. Financial & Cost Control in Railway *Wo*rkshops/Sheds/Units.

7. Rules and procedure relating to Tenders and contracts for execution of works and Procurement of Stores, M&P Programme and RSP.

8. Procedure for Possessing and finalizing Audit Objections and Draft Paras.

9. Delegation of Powers.

10. Losses, Frauds and Embezzlements.

11. General Financial Rules

12. Government e-Market (GeM)

13. Classification of Railway Revenue (Earnings)

14. Information Technology in general with specific reference to Railway's IT Applications
15. Taxation matters with special focus on GST & Income Tax

16. Organization of CGA and C&AG

17. Any other topic felt necessary from time to time

Syllabus for 70% Selection for Promotion to Group 'B' post of ASTE in Signalling & Telecommunication Department

Part – A - Professional Subjects

I. Signalling :

- Basics of Signalling
- Principles of Interlocking, Signal Interlocking Plan, Route holding principles, Table of Control
- Colour Light Signal concepts
- Signalling Elements – Relays, Cables, LED Signals, Point Machines, Track Circuits (DC, AC & AFTC), Axle Counters (SSDAC & MSDAC), Block instruments, Integrated Power Supply, Interlocked Level Crossing Gates and Data Loggers
- Automatic Signalling
- Intermediate Block Signalling, BPAC, UFSBI
- RE Modifications
- Relay Interlocking concepts - Metal to Carbon, Metal to Metal, Panel Interlocking and Route Relay Interlocking
- Electronic Interlocking – Principles, Configuration, Interface logic, Application logic, VDU logic, FAT, SAT, Technical System Approval
- Earthing, Lightning and Surge protection arrangements
- Train Protection Systems – TPWS, Kavach
- Centralised Traffic Control (CTC) , Train Management System (TMS)
- Execution of S&T Infrastructure works – Planning, Execution, CRS sanction, Documentation, Testing and Commissioning

II. Telecommunications –

- Outdoor and Indoor Telecom cable system, jointing procedures, and maintenance and fault localisation methods, laying practices and precaution at work site
- Control Communication, OFC based, VoIP based, Emergency Control Communication, Voice Logger, COA
- Telephone Instruments, Signalling principles of Telephone Exchanges, Automatic, ISDN, and VoIP Telephone Exchanges
- PCM-TDM Principles, PD multiplexers, SDH principles and SDH equipment's
- Modulation techniques and radio propagation
- VHF, UHF, Tetra, GSM-R, LTE-R
- OFC Communication systems, OFC Splicing, Measurements and laying practices
- Data Communication and IP networks, IP-MPLS, Data networks of IR, PRS, UTS, FOIS, TMS, NMS, Wi-Fi at stations, Firewalls/UTM, Cyber security and Wireless security
- Public address system, Passenger information systems and VSS

III. Codes & Manuals

- General Rules

- Railways (Opening for Public Carriage of Passengers) Rules
- Indian Railways schedule of dimensions
- Indian Railway Signal Engineering Manual
- Indian Railway Telecom Manual
- Accident Manual
- Block working Manual
- Extracts of Operating manual for Indian Railways, Indian Railways manual of AC Traction Maintenance and Operation and Indian Railways Permanent Way Manual relevant for Signal & Telecom Engineers

IV. Workshop Practices

- Raw material processing
- Workshop Machines and their utilisation
- Overhauling procedure and practices
- Inspection and testing of components
- Testing procedures of Block Instruments , Relays, Point Machines, IPS, EoLB, Track Feed Battery Chargers, EKTs, Control Panels and Mechanical Items
- RDSO approval procedure and Renewal
- Production Management Plan
- Quality control and Safety Practices
- Calibration of instruments and machines
- ISO/IMS Certification for workshops
- Scrap disposal
- Workshop suspense
- Costing of products
- Incentive schemes

Part-B - Official Language

Official Language - Official Language Policy, Act, Rules, Incentive Schemes etc.