

दक्षिण पश्चिम रेलवे
SOUTH WESTERN RAILWAY

प्रधान कार्यालय/Headquarters Office,
"रेल सौधा"/ "Rail Soudha"
कार्मिक विभाग/Personnel Department,
हबली/Hubli-580 020.
दिनांक/Date: 10 -02-2020.

सं./No.SWR/HQ/P.607/Elect./70%/2019-20

Secy. to GM/SWR/UBL, AGM/SWR/UBL
PCEE, SDGM, CAO/CN/BNC
DRMs/UBL, SBC & MYS; CWMs/UBLS & MYSS
Dy.CEE/CN/BNC & UBL, Dy.CPO/CN/BNC
Sr.DEE/SBC, MYS & UBL, Sr.DEE/TRD/SBC, UBL & MYS
Sr.DPO/UBL, SBC & MYS; Dy.CPO/MYSS, WPO/UBLS
DEE/MYSS & UBLs.

Sub:- Selection for the Gr 'B' posts of AXEE/ADEE in Level 8 of pay matrix (GP Rs.4800/-) in Electrical Department against 70% quota.

Willingness are invited from the eligible employees listed in Annexure-'A' within the zone of consideration to hold a selection for Group-'B' posts of AXEE/ADEE in Level 8 of pay matrix (i.e.GP Rs.4800/-) in Electrical Department against 70% quota as detailed hereunder:-

i. Assessment period : From 16.12.2019 to 15.06.2022.

ii. Number of vacancies :

	UR	SC	ST	Total
	05	01	01	07

2. The Notification against 30% LDCE quota will be issued in due course.

3. **Scheme of Selection:** The written examination(CBT), Medical examination, Viva- voce under Seniority-cum-suitability pattern.

a) (i) The written examination(computer based test-CBT) will comprise one Paper having 100% Objective type Multiple Choice Questions only.

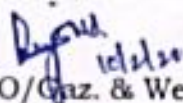
(ii) All Objective type MCQ will carry equal marks.

(iii) There shall be negative marking for incorrect answers. One-third of the marks allotted for each question will be deducted for every wrong answer.

Prescribed paper	Max. marks	Qualifying marks	Duration of CBT
Technical Subjects (including Official Language Policy)	70	60	02 hrs.
Establishment Rules & Financial Rules	30		

Note: (i) There will be questions on Official Language Policy and Rules to the extent of 10% of the 100 marks assigned above will be optional type.

(ii) The employees secured qualifying marks in the written examination will be eligible to be sent for medical examination. Only those employees who are certified fit for the prescribed medical examination will be allowed to appear for Viva-voce.


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b) Viva-voce Test:-

Viva-voce	Max. marks	Qualifying marks
Record of service	25	30 (including minimum 15 marks in record of service.)
Viva-voce	25	

c) Formation of panel for promotion to Gr.B post(s) will be on the basis of 'Seniority-cum-suitability'.

4. **Field of Eligibility:-** The list of eligible employees within the constituted field based on provisional integrated seniority published vide this office Ir.No.SWR/P.612/VII/Elect./Integrated Seniority, dtd.29.01.2020 is enclosed as Annexure-'A'. In addition to the Annexure-A, a reserve list of eligible employees is enclosed as Annexure-B will be called for the written examination in the event of drop out of the employees constituting the field i.e. Annexure-A. The list of integrated seniority list is finalized after disposal of representations.
- 5(a) The concerned Controlling/Supervisory official should ensure circulation of the Notification so that it reaches to all the eligible employees working under their control listed in Annexures-'A' & 'B' and acknowledgement should be obtained for receipt of the Notification.
- (b) It is brought to the notice of the employees, it is the responsibility of the individual employee that he/she should exercise his/her willingness or un-willingness in the proforma enclosed as Annexure-'D' to appear the selection. Failure to respond the Notification by the employee within the stipulated period will be treated as unwillingness to take the selection on his/her part. It is also made it clear that merely expressing willingness by the employees will not confer the right to appear the selection rather their eligibility to appear the selection will be subject to Board's instructions issued from time to time.
- (c) The employees on empanelment to Gr.B post of ADEE/AXEE will be posted in RE projects on S.W.Railway.
- (d) Employees listed in Annexure-'A' & B, if any is on leave/training/deputation/sick or working in other units etc., intimation regarding this notification should be sent to his/her official/personal address and acknowledgment obtained, forwarded to this office for record immediately. The responsibility of sending such intimation to his/her official/personal address and obtaining the acknowledgement rests with the Supervisory/Controlling officers.
6. The individual employee listed in Annexures-'A' & 'B' has to exercise his/her willingness or unwillingness to appear for the Selection in writing in the enclosed proforma Annexure-D and submit it to their Supervisory/Controlling official on or before 28.02.2020.
7. The concerned Supervisory/Controlling officials, on receipt of willingness/unwillingness in the prescribed proforma Annexure-D should compile the same in one bunch and submit it to the concerned Dy.CPO/Sr.DPO/ SPO/WPO/Cadre Controlling officers so as to reach them on or before 05.03.2020.
8. The concerned Dy.CPO/Sr.DPO/SPO/WPO/APO/Cadre Controlling Officers should consolidate all the Annexure-'D' forms received from the Controlling/Supervisory officials and send to this office in one bunch so as to reach this office on or before 11.03.2020.
9. It is reiterated that the willingness/unwillingness(Annexure-D) submitted by the employees after the stipulated date should not be entertained and forwarded. In such cases only the copy of acknowledgement for having noted by the concerned employees may be forwarded to this office immediately.

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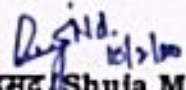

Dy.CPO/Gaz.&Wel.

10. The employees also be advised to note that, if he/she is not fulfilling the eligibility criteria stipulated in the notification, his/her candidature will be liable to be cancelled at any stage of the selection.
11. Pre-Selection coaching:- The Pre-selection coaching to the employees belonging to the SC & ST community will be arranged by PCEE. The detailed schedule of the Pre-selection coaching will be advised by PCEE in due course. In case, employees are unwilling to undergo Pre-selection coaching, a written declaration of unwillingness (unconditional) should be obtained from him/her and sent to PCEE. PCEE in turn will forward such unwillingness in one lot to this office for record after completion of the Pre-selection Coaching, along with the list of employees undergone Pre-selection coaching.
12. Syllabus:- The syllabus for written examination is enclosed as Annexure-'C'. As per extant instructions of the Railway Board, the question paper shall also contain question(s) on Official Language Policy and Rules to the extent of 10% of the total marks allotted for professional abilities, which shall be of optional question.
13. The date, venue of written examination(CBT) will be advised to the eligible employees in due course.
14. The above promotion against the selection will be subject to final outcome of litigation pending in the Apex Court.
15. The instructions/procedure contained in Master Circular No.68 regarding Gr.B selection will be followed in addition to the above instructions.

(This is uploaded on www.swr.indianrailways.gov.in → For IR Personnel
→ Personnel Department - Headquarters → Gazetted Notification)

Please acknowledge the receipt.

Encl: Annexures-'A', 'B', 'C' & 'D'.


(शुजा महमूद, Shuja Mahamood)

उप मुकाधि(राज.व कल्याण)/Dy.CPO(Gaz.&Wel.)

कृते प्रधान मुख्य कार्मिक अधिकारी
for Principal Chief Personnel Officer

Copy to:-

Ch.OS/Electrical/Cadre/HQ,

OS/Gaz.(Conf.)/HQ

GS/SWRPOA, GS/SWRMU/UBL & GS/SWRSCTREA/UBL,

PS to PCPO - for kind information of PCPO,

Notice Board.

List of eligible employees within the Zone of Consideration for calling willingness to appear selection for Gr.B post of AXEE/ADEE against 70% quota in Electrical Department

S. No	Name of the Employee (S/Shri/Smt)	Designation / Station	Community	Office/Station
1	N.J.Daskonavar	SSE/HQ/UBL	SC	PCEE/SWR/UBL
2	N.G.Prasanna	SSE/TRD/HQ/UBL (on deputation to CRS/SBC)	UR	PCEE/SWR/UBL
3	T.Vishvanathan	SSE/Drg/SBC	UR	Sr.DEE/SBC
4	A.R.Vijendra	SSE/CN/UBL	UR	Dy.CEE/CN/UBL
5	P.Wilson	SSE/CN/BNC	UR	CEE/CN/BNC
6	Sabin Chacko	SSE/TRD/SBC	UR	Sr.DEE/TRD/SBC
7	M.N.Ganesh	SSE//UBLS	ST	DEE/UBLS
8	M.Rukappa	SSE/SBC	SC	Sr.DEE/SBC
9	U.Raghubabu	SSE/TRD/SBC	SC	Sr.DEE/TRD/SBC
10	N.B.Manjunatha	SSE/MYSS	UR	DEE/MYSS
11	Kanhaiya Lal	SSE/UBLS	OBC	DEE/UBLS
12	Ashok Shirur	SSE/UBL	SC	Sr.DEE/UBL
13	Meghraj Shankar pulel	SSE/UBL	SC	Sr.DEE/UBL
14	D.M.Bhavanishankar	SSE/UBL	UR	Sr.DEE/UBL
15	Shankarappa B.Goudar	SSE/HQ (Deputation to RVNL)	ST	PCEE/SWR/UBL
16	Govind Chavan	SSE/UBLS (working in PCSO/SWR)	SC	PCSO/SWR/UBL
17	Shashikanth S. Dyavannavar	SSE/TRD/SBC	ST	Sr.DEE/TRD/SBC
18	K.L.Suresh	SSE/HRR/MYS	UR	Sr.DEE/MYS
19	Y.M.Pachapur	SSE/UBLS	UR	DEE/UBLS
20	K.Anbu	SSE/MYSS	SC	DEE/MYSS
21	S.Suresh	SSE/UBLS	SC	DEE/UBLS
22	M.R.Chandrasekhar	SSE/MYSS	ST	DEE/MYSS

(22 Nos. only)

Note: In terms of Railway Board's Ir.No.E(GP)85/I/78, dtd.10.09.1986, employees in the zone of consideration who have failed twice and availed opportunity in the earlier selections, the corresponding number of additional employees should be called for the selection. Accordingly, employee at S.No.22 has been considered by extending the field of eligibility.

Rajendra
Dy.CPO/Gaz. & Wel.

Reserve List of eligible employees for calling willingness to appear selection for Gr.B post of AXEE/ADEE against 70% quota in Electrical Department against the dropouts of employees listed in Annexure-A

S. No	Name of the Employee (S/Shri/Smt)	Designation/ Station	Community	Office/Station
1	R.Nagaraj Naidu	SSE/SBC	UR	Sr.DEE/SBC
2	Raghubir Singh	SSE/CN/BNC	UR	CEE/CN/BNC
3	K.N.Seenappa	SSE/TRD/SBC	ST	Sr.DEE/TRD/SBC
4	A.Sai Shankar Rao	SSE/TRS/SBC	UR	Sr.DEE/TRD/SBC
5	Rajesh Yadappanavar	SSE/TRD/HQ (On deputation to Vig. Deptt.)	UR	SDGM/SWR/UBL
6	Aaron Kuruppassry	SSE/SBC	UR	Sr.DEE/SBC
7	Gudurua L.Narasimhulu	SSE/UBL	SC	Sr.DEE/UBL
8	A.Balaji	SSE/YPR	UR	Sr.DEE/SBC
9	N.T.Satisha	SSE/Drg/MYS	ST	Sr.DEE/MYS
10	Y.Naga Durga Mohan	SSE/Safety/HQ under PCSO	OBC	PCSO/SWR/UBL
11	Rajpal Kumar	SSE/AC/YPR	UR	Sr.DEE/SBC
12	M.N.Ravindran	SSE/HAS/MYS	ST	Sr.DEE/MYS
13	A.Ravinder	SSE/MYSS	SC	XEE/MYSS
14	Md.Rafeeq	SSE/TRD/SBC	UR	Sr.DEE/TRD/SBC
15	Meejuri Vijaya Bhushan	SSE/OHE/KPN	SC	Sr.DEE/TRD/SBC
16	Mahesh L.Pujar	SSE/TRD/HQ	ST	PCEE/SWR/UBL
17	J.Sagyanathan	SSE/MYS	UR	Sr.DEE/MYS
18	Sunil B.Khobragade	SSE/SBC	SC	Sr.DEE/SBC
19	C.Raja	SSE/SBC	OBC	Sr.DEE/SBC
20	V.A.Girish kumar	SSE/UBL	UR	Sr.DEE/UBL
21	G.Ramesh Naik	SSE/TL/MYS	SC	Sr.DEE/MYS
22	M.Srinivasan	SSE/SBC	SC	Sr.DEE/SBC
23	Roshan H Nayak	SSE/SMET/MYS	UR	Sr.DEE/MYS
24	Babu K	SSE/TRD/SBC	UR	Sr.DEE/SBC
25	Prakash Govindaraddi	SSE/UBLS	ST	DEE/UBLS

(25 Nos. only)

Rajesh
Dy. CPO/Gaz.&Wel.

**Syllabus for Gr. 'B' selection for the post of ADEE/AXEE in Electrical Deptt.
against 70% quota**

1. GENERAL & TRANSMISSION OF ENERGY:

Power generation in Diesel Power stations, Power House layout specifications etc., specifications for Generators Transformers, Switch Gear protective equipment etc. Execution and Tests, Gas turbine Generating stations and its advantages and disadvantages.

2. H.T. TRANSFORMER & L.T. DISTRIBUTION:

Lay-out design, construction, operation, projection, HT/LT cable resin insulated, capsuled transformers advantages and disadvantages, MOC, CB, SF6, CB, MCCB, MCBs, ACB.

3. ELECTRICAL MOTORS FOR DRIVING MACHINES, TOOLS PUMPS ETC:

Types of motors rating and temperature rise, types of Central Gear, Protective devices and safety features, different forms of drive design and lay-out of electric pumping schemes automatic control pumping plant, Bore well yields, Failure in pump motors, water supply system in Railways.

4. ELECTRICAL LIGHTING OF BUILDING & YARDS:

Systems of wiring layouts, regulations, governing the electrical equipment of building, contract specifications for electrical works, testing of installation, lighting of yards by point lights, flood lights etc. standards of illuminations for yards, different forms of light fittings suitable for special purposes. Switching scheme of street/PF lighting for energy conservation, lighting transformers.

5. TRAIN LIGHTING & AIR-CONDITIONING:

System train lighting advantages and disadvantages of paralleled bank and single battery system. Design feature of TL alternators and automatic voltage regulations cumulative rectifications, specifications and functioning of main items of TL equipment lead acid and VRLA batteries, their characteristics on charge and discharge electro lights care and maintenance of batteries; Battery charging plants, Design features and operation and maintenance of the air-conditioning equipment on the air-condition coaches, air-conditioning plants, water cooler and refrigerators, Centralized AC plant, Roof mounted AC plant, Electronic thermostat inverter, WRA(AC or DC).

6. LOCOMOTIVE HEAD LIGHTS:

System of lighting in Electrical/Diesel locomotives, Design, features of the different types of Regulator, DC-DC type converter, flasher lights, Xenon type, type automatic switch on/off flasher light and automatic blowing.

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Contd. from P-6

7. ELECTRICAL TRACTION:

- a) **Rolling Stock** - Electrical locomotive and AC/DC EMUs. Their schematic and control circuit, details of equipment fitted, their commissioning, maintenance procedures and problems, train operation capabilities of existing electric locos, running repair sheds, trip-shed and practices - Trouble shooting, Staff booking and training safety courses, running staff booking Dynamite breaking regeneration during traking of coaching/powering operation on continuous gradient/ghat section.
- b) **EMU/MEMU** - Typical speed-time curves for electric trains acceleration and braking, simple equations. Train resistance & gravitational effects, Overhauling of motor coach, train resistance in curved tracks and tunnels general equations, Specific energy consumption, AC, DC, and AC/DC locos, Main features, starting Torque, tractive efforts, adhesion, how adhesion is improved. Bogies and suspension, power transmission from Traction motors to axles, Jacquemin Drive, Quill-drive, WN Coupler, Axle and wheel sets, Veer of wheels, mountings of Traction Motors, Gear case, Lubrication, Axle Boxes, Friction dampers, oil dampers, Air filters gear case oil leakage.
- c) **Compressors** - Air compressors and vacuum exhausters, various types capacities, defects and merits of each type air brakes, vacuum brakes, regenerating brakes, Rheostat braking, standing wheel slip, Slip Slide control, Electric pneumatic contractors, pneumatic circuits. Power control and auxiliary circuit, silicon diodes rectifiers, thyristers, AC and DC auxiliaries, their relative advantages, effect of line voltage on AC auxiliary performance, protective relays, various contacts, batteries and battery charges. Records and registers maintained in loco sheds, planning and progress organization, statistical data, rolling stock organization in sheds fire prevention, safety checks History cards. Loco holding outage ineff. Calculation engine hours, GTKM calculation. Type of locos Adv. Of WAG9 over other Com of WAG9/WDG4 locos.
- d) **EMUs**- EMU trains for urban and suburban services, adhesive weights acceleration and deceleration specifications and duty cycles. Power circuits, control circuits, bogies and other mechanical components, dead man's device push-pull arrangements, Electro Pneumatic and vacuum brakes, protective devices, inspection, maintenance and overhaul schedules, brake block replacement, ferrous brake blocks, special electrical and mechanical failure, heavy repairs, trouble shooting sequence. Traction motors of various types and design, problems with traction motors and how these are overcome. Maintenance and overhaul organization, liaison with other departments. Regeneration in MEMU trains.
- e) **Fixed installation:** 25 KV OHE standard equipments used: Design and specifications in yards and special lay-outs like curves, bridge/tunnels etc., commissioning and maintenance schedules; break down works and method, OHE repairs during accidents 50 KV OHE system (Bina-Katni-Bilaspur section) advantage and disadvantage, PF improvement capacitors, inductive resistance and its equipment. OHE layouts major/minor, integrated tower wagon car, instrumented tower wagon car (NEIRA), integrated power block & their objective.

Contd. on P-8

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Dy.CPO/Gaz. & Wel.

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f) **25 KV Sub-stations:**

Arrangements of EHT sub-stations, equipment specifications, protection details, commissioning and operation, maintenance schedules, Schematic of TSS for transmission lines approaching parallel or perpendicular to track changes in grid sub station of SEBs, HT transmission line for TSS, parallel transmission line for feeding several TSSs, advantage and disadvantage, availing power from CGS i.e. NTPC, Neyveli, through power grid corporation, policy and possibility.

GENERAL SUBJECT (to include Establishment, Accounts & Stores practice and I.D. Act & Rules)

1. a) Factory Act and Hours of Employment Regulations,
b) Payment of wages Act.,
c) Discipline and Appeal Rule, Leave Rules & Pass Rules,
d) IE Act, energy conservation Act, KERC Act 2000,
e) Electrical Inspector to Govt. and State Govt.
2. a) Classification of expenditure,
b) Budget,
c) Maintenance of Store,
d) Procurement and collection of Stores,
e) Establishment expenditure, Manpower planning.
3. a) Working knowledge regarding I.D. Act & Rules,
b) Precaution to be taken in the installation and commissioning of electrical equipments.
c) Electrical accident.
d) Placing of electric transmission of line across Railway line or cabling
e) Schedule of minimum and maximum dimensions BG & MG
f) Modification of power line for construction of new line problems.
4. GM Annual inspection
5. Safety Audit, HQ safety audit, Inter Railway safety audit.
6. Official Language policy and Rules.
7. **ESTIMATING:-**
Estimate for minor works and major scheme, detailed and working estimates, various types of estimates. Estimating of Railway Electrification project for running of MEMU/EMU in place of conventional passenger/suburban trains. Characteristic of EMU/MEMU.

Handwritten signature and date: 7/1/20
Dy.CPO/Gaz.&Wel.

S.No. _____ in Annexure- 'A'/'B'

DECLARATION FOR APPEARING SELECTION TO THE GR.B POST OF ADEE/AXEE - SWR

I am in receipt of notification No.SWR/HQ/P.607/Elect./70%/2019-20 dtd. _____ alerting me for selection of Group'B' posts of ADEE/AXEE against 70% quota in Electrical Department.

I declare that I am fulfilling all the eligibility conditions and I shall abide by all the terms and conditions stipulated in the Notification.

I am also aware that if, I fail to submit this declaration on or before stipulated date, it will be deemed that I am not willing to appear for the selection.

I am **WILLING / UNWILLING** to appear for the selection of Group'B' posts of ADEE/AXEE against 70% quota.

Signature of the employee

Name: _____

Designation: _____

Station: _____

Date: _____

Email-id: _____

Mobile No. _____
(for whatsapp Group)

File No.

Forwarded to:

Signature of the Supervisory/
Controlling official

Name : _____

Designation/Office: _____

Date : _____

All the above fields are mandatory