



Office of the Divl.Rly.Manager
Personnel Branch, 4th Floor
Sanchalan Bhavan,
Secunderabad

No.SCR/P-SC/210(a)/DLS/KZJ/JEProm/EM-2019. Date: 03.12.2019

NOTIFICATION

Sub:- Formation of panel for promotion to the post of Junior Engineer(Mechanical & Electrical wing) in Level 6 of 7th CPC against 25 % Promotional Quota in Mech Department /Diesel Loco Shed, KZJ on SC Division.

It is proposed to conduct a selection for formation of panel for the post of JE(Mechanical & Electrical wing) in PB 2 ₹ 9300 – 34800 + GP ₹ 4200/- (Level 6 in 7th CPC) against 25 % Promotional Quota in Mech Department in Diesel Loco Shed, KZJ on SC Division. The details of vacancies are as under;

SL.No.	Wing	No. of Vacancies	Total
1	JE/Dsl-Mechanical	SC – 0,ST- 01, UR – 02	3
2	JE/Dsl-Electrical	SC – 01,ST- Nil , UR – 01	2

2. CONDITIONS OF ELIGIBILITY

- In terms of Para-215(e) of IREM Vol.I, eligible staff upto 3 times the number of vacancies to be filled up should be called for the selection. As per integrated seniority list of Sr.Technicians circulated on 18.10.2019 senior most staff in Level-6 working as Senior Technicians in the wings of Mechanical, Electrical and Ancillary in Level-6 in the zone of consideration as per the option exercised by them is mentioned at Annexure 'A'. If any of them are not willing to appear for the written test, a declaration to that effect should be obtained and forwarded to this office on or before 10.12.2019. Additional names of employees as per seniority listed at Annexure 'B' are mentioned as standby, are hereby alerted to be in readiness, if they are willing to appear for the written test.
- The employees alerted as standby should note that they will be called for written examination only if the senior employees in the field of eligibility submit their unwillingness for the selection.
- The employees mentioned in Annexure A & B including the standby may be notified for the selection. In case of employees who are on leave sick list/On line, alert notice may be sent to their home address.

3 SYLLABUS

- Syllabus for the written test for JE/Dsl-Mechanical is enclosed under Annexure 'C' and for JE/Dsl-Electrical under Annexure 'D'
- Question Bank is available on railway website – www.scr.indianrailways.gov.in. Copy enclosed herewith.

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- There shall be questions on official language policy & rules up to 10% of marks. However, it is not mandatory to attend the same.

4. 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), CPO/SC's S.C.No.212/2018, the written examination consists of 100% objective and all the questions will be of multiple choice only.
- There will be no negative marking for incorrect answers. (RBE No.194/2019) since the selection is departmental quota where panel is arranged in the order of seniority from those qualified.
- Cutting, over writing, erasing or alteration of any type in the answer will not be accepted. Zero marks will be given for answer having correction or overwriting.
- The written examination will be either in the mode of computer based test or pen and paper.

5. PRE SELECTION TRAINING.

- Sr DME/DLS/KZJ will arrange for pre-selection coaching to the SC/ST employees for a period of 3 to 4 weeks, which shall cover entire syllabus as per Lr.No.88-E(SCT)1/42/2 dt. 8/11.04.1991 SC No.73/91 & Lr. No.E(NG)I-98/PMI/17 dt. 30.10.2001 (S.C.No. 245/2001).
- This pre-selection/pre promotional training shall be imparted as far as possible in a zonal training or system Technical training school.
- In case of any of the employee is unwilling to undergo pre-selection coaching, a written refusal if this regard shall be obtained and sent to this office.
- These instructions should be adhered to strictly in an effective manner so that SC/STs performance may come up to the required standard.

6. DATE AND VENUE OF WRITTEN EXAMINATION.

The date of written examination and venue will be informed in a short notice after completing the pre promotional training for reserved community employees.

Tentative Written Examination date	21.01.2020
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7. MODE OF SELECTION AND QUALIFYING MARKS.

- Professional Ability : - The professional ability of the employees in the field of selection will be adjudged through written test . The employees must secure 60% of marks in professional ability as well as in the aggregate to be empanelled as per seniority.
- The post of JE (Electrical wing & Mechanical wing) in PB II Scale Rs 9300 - 34800 + GP 4200/- (Level 6 in 7th CPC) being a safety one, there will be no relaxation is allowed for candidates belonging to the SC/ST employees. They have to obtain minimum of 60% in written test on par with UR employees(Ref: Para 10.1.1 of SC No.320/1999)

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

Distribution of marks under head of recorded service:

15 marks	On the basis of grading of APARs/Working report of last 3 yrs
10 marks	On the basis of entries of awards/punishments in the SR
5 marks	On the basis of entries in SR for academic/Tech qualifications

The final panel should be drawn up in the order of seniority. 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 B-1 only.

8. NOTIFYING TO THE STAFF:

- The controlling officer/supervisor shall alert all the eligible staff. It is the responsibility of controlling officer/supervisor to circulate the notification among the staff concerned.
- In terms of Railway Board's Lr.No.E(NG)I-72/PM1/166, dated 26.06.1972, CPO/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 willingness" and forward the same to Sr.DPO/O/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.

Encl : As above.

ANURAG WADHWA
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(ANURAG WADHWA)
APO-I/SC

for Sr. Divisional Personnel Officer/SC.

- C/-Sr.DME/DSL/KZJ/SC. He is requested to arrange pre-selection coaching to the SC/ST employees listed at Annexure "A" & "B" for a period of 3 to 4 weeks.
- C/-Sr.DME/DLS/MLY,Sr.DEE/TRSO/SC for information please.
- C/- Principal STC/SC for information please.
- C/- SSE/Trip Shed/SNF,Ch.OS/P/ PNM. For information.
- C/-CH.OS/Conf:For Inf & it is instructed to make available the APARSs of all the employees listed in Annexure A&B for the last 3 years.
- C/-CH.OS/Selection cell.: For inf & necessary action
- C/-CH.OS/Computer cell:for information and to upload in website.
- C/-DS/SCRES,DS/SCRMU ,DS/AI/SC/ST REA,DS/AIOBCREA for information please.

Annexure-A

Statement showing the list of Sr.Technicians from Mech& Anc wings in the field of eligibility after interpolation of seniority for selection to the post of JE/Mech against 25% promotional quota as , per the options submitted by the employees

Sl.No	NAME	COMMUNITY	DESIGNATION	PF.NO
1	R NAGESWARA RAO		Sr.Tech/Anci	03678271
2	JAMPAIAH.K	ST	Sr.Tech/Anci	90606450
3	M.SUDARSHANAM	SC	Sr.Tech/Mech	03681490
4	S.ESHWARA PRASAD	SC	Sr.Tech/Mech	03669762
5	R. BALU NAIK	ST	Sr.Tech/Mech	05445530
6	S.SUDARSHAN RAO		Sr.Tech/Mech	03667625
7	A.SRINIVAS YELLAIAH		Sr.Tech/Mech	03681506
8	D.KOMARAIHAH (RCD)		Sr.Tech/Mech	03508031
9	M.SURENDER	ST	Sr.Tech/Mech	05610035

Statement showing the list of Sr.Technicians from Elect & Anc wings in the field of eligibility after interpolation of seniority for selection to the post of JE/Mech against 25% promotional quota ,as per the options submitted by the employees.

Sl.No	NAME	COMMUNITY	DESIGNATION	PF.NO
1	B SHANKAR	ST	Sr.Tech/Elect	03681579
2	P RAJI REDDY		Sr.Tech/Elect	10051922
3	G.MOHAN	ST	Sr.Tech/Elect	05507066
4	K.MALLESH	SC	Sr.Tech/Ancil	03669610
5	N RAVINDRA KUMAR	SC	Sr.Tech/Elect	05604599
6	K RAMESH	SC	Sr.Tech/Elect	05610497

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Annexure-B

Statement showing the list of Sr.Technicians -Stand by in Mechanical wing as per options submitted by the employees.

Sl.No	NAME	COMMUNITY	DESIGNATION	PF.NO
1	T.PURUSHOTAM		Sr.Tech/Mech	03678015
2	C.VENKATESWARA SWAMY		Sr.Tech/Mech	90606450
3	P.MAHENDER		Sr.Tech/Mech	03681490
4	G MOSSES	SC	Sr.Tech/Anci	05445530
5	D VENKAT SWAMY	ST	Sr.Tech/Mech	03667625
6	K UPENDER		Sr.Tech/Anci	03681506
7	A SUVARNA RAJU	SC	Sr.Tech/Mech	03508031
8	P VENKATESWARLU	ST	Sr.Tech/Mech	05610035
9	K B HANUMA	ST	Sr.Tech/Mech	11403780

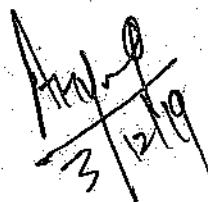
Statement showing the list of Sr.Technicians -Stand by in Electrical wing as per options submitted by the employees.

Sl.No	NAME	COMMUNITY	DESIGNATION	PF.NO
1	R.SRINIVASA RAO	ST	Sr.Tech/Elect	11517475
2	K.GANGANNA	ST	Sr.Tech/Elect	11517463
3	A.RAMESH NARSAIAH		Sr.Tech/Elect	03680988
4	J ASHOK	SC	Sr.Tech/Elect	05506827
6	B KRISHNA RAO	SC	Sr.Tech/Elect	56110990
6	A.SRINIVAS	SC	Sr.Tech/Elect	03613021

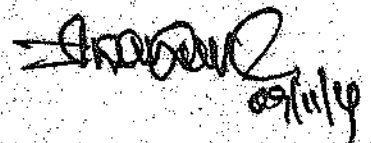
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Proposed Syllabus for Selection of JE (Promotional Quota) DSL-Mechanical

1. Knowledge of basic principles and terminology of Mechanical equipment of all types of Diesel locomotives, DEMUs and Diesel units maintained by Shed.
2. Knowledge of all types of diesel locomotives, DEMUs and Diesel Units maintained by shed. Constructional details and functioning. Preventive maintenance schedules, testing & troubleshooting.
3. Knowledge of functioning, maintenance & testing of following equipments.
 - (i) Power Pack
 - (ii) Under Truck
 - (iii) Compressor
 - (iv) Brake systems
 - (v) Hydraulic system
 - (vi) Turbo Super Charger of various types
 - (vii) Turbo Clutch assembly
 - (viii) Heat Exchangers
 - (ix) Cylinder Heads
 - (x) FIP
 - (xi) Water Pump
 - (xii) Lube Oil Pump
 - (xiii) After Cooler
 - (xiv) RTTM/FTTM Blower
 - (xv) EPD
 - (xvi) Hot Oil Detector
 - (xvii) MUI
4. Knowledge of reading various drawings related to mechanical systems.
5. Knowledge of Fuel Oil system, Lube oil system, Cooling water system, Air Intake system, Maintenance, troubleshooting, rectification of Alco & HHP locomotives.
6. Knowledge of Latest developments like long life lube oil filters, Moatti filter, Plate Type Lube Oil Coolers, Lube Oil Centrifuge, Air dryers, HHP turbo super chargers, VCD, APU, DPCS (applicable only those maintained by shed)
7. Under Truck – Over hauling of bogies, Roller Bearings, checking of Axle box bearings and clearances. Checks conducted on important clearances, testing of springs, dampers, equalizing beams, compensating beams, knowledge of 'wheel gauge widening' and measurement of wheel profile. Knowledge of design features of high adhesion bogies, Tri mount cast bogies, equalizer less bogies & HTSC bogies.
8. Safety – Knowledge of various safety items fitted in the engine & locomotive.
9. Safety checks to be conducted on locomotive (including fire safety), before despatch.


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10. Knowledge of Air brake system including CCB brake system (CCB 1.5 & CCB 2.0). Overhauling procedure of all air brake valves, operational procedure of multiple unit operation. Knowledge of troubleshooting in air brake system. Conducting Air brake self test & MU setup for HHP locos.
11. Knowledge of various tools and precision instruments required for maintenance of mechanical equipment.
 - (i) Power wrenches
 - (ii) Torque multipliers
 - (iii) Vernier calliper
 - (iv) Wheel profile gauges
 - (v) Temperature measurement gauges etc.
12. Knowledge of locomotive working in multiple units.
13. Safety precautions to be taken at work place.
14. Fire prevention measures and fire fighting to be followed in the locomotive as well as in the shed.
15. General stores procedures – Indenting Stock & Non- Stock items and stocking procedure.
16. Knowledge of Establishment rules like HOER, WCA, Leave rules, Pass rules, D&A rules, Conduct rules and Official Language policy.
17. Knowledge of various Preventive maintenance schedules (Trip, Monthly, M-4, M-8, M-12, M-16, M-20, M-24 For Alco, 30D, 90D, 180D, 270D, Y1, Y2, Y3, Y4, Y5, Y6 schedules for HHP locomotives) and important jobs done in each schedule.
18. Knowledge of Quality Standards (i) ISO 9001:2015, (ii) ISO 14001:2015, (iii) OHSAS 18001:2007.
19. Knowledge of Computer, E-mail etc.

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Proposed Syllabus for Selection of JE (Promotional Quota) DSL-Electrical

1. Knowledge of basic principles of electricity -Ohm's law, Kirchoff's law, generators, motors, capacitors, inductors, silicon control rectifiers, IGBT(Insulated Gate Bipolar Transistor), terminology related to electrical equipment of all types of diesel locomotives, DEMUs and diesel units maintained by the shed.
2. Simple calculation in basic electricity.
3. Knowledge of various tools and precision instruments required for maintenance of electrical equipment like multi meter, Megger, Clip on meter, Frequency meter, LCR meter etc.
4. Knowledge of all types of diesel locomotives, DEMUs and diesel units maintained by the shed Constructional details, functioning, Preventive maintenance schedules, testing and Trouble shooting.
5. Knowledge of functioning, maintenance and testing of the following equipments (applicable only those maintained by shed)
 - a) Actuator
 - b) Self starter motor
 - c) Rectifier Panels
 - d) Fuel pump motor
 - e) Crank case motor
 - f) Dust Exhaust Blower Motor/ Filter Blower Motor
 - g) Governor Booster Pump Motor
 - h) Speedometer
 - i) Traction alternator /generator of different types
 - j) Traction motor (DC & AC 3Ø Traction Motor)
 - k) Electrical auxiliary machines
 - l) ECC
 - m) Dynamic brake in diesel locos
 - n) Contactors & Relays
 - o) Circuit breakers
 - p) Radiator fans & TCC blowers of HHP locomotive
 - q) WWG & MCBG
 - r) AFL circuit and AFL control unit
 - s) Head light and its resistors
6. Working principle of different of different types of excitation system in various types of diesel locomotives, DEMUs and diesel units maintained by the shed.
7. Knowledge of electrical safety devices like LWS, PCS, EPD, GFOLR, OSTA, VCD etc. (applicable only those maintained by shed)
8. Knowledge of reading various circuits related to electrical systems.

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9. Knowledge of wiring harness , Physical layout of wire harness , car body cables and terminal boards.
10. Knowledge of conducting load box test and adjustment required to be made for all types of locomotives and diesel units maintained by shed.
11. Knowledge of locomotives working in MU , MU setup and precautions to be taken.
12. Dual cab setup in WDG4D locomotive.
13. Knowledge of latest developments like REMMLOT, APU, DPCS, Water Level Indicator.
14. Safety precautions to be taken at the work place.
15. Fire prevention measures and fire fighting to followed in the locomotive as well as in the shed
16. Knowledge of Indian electricity Rules & Acts.
17. General store procedure indenting of stock and non-stock items and stocking procedure.
18. Knowledge of Establishment rules like HOER, WCA, Leave rules, Pass rules, D&A rules, conduct rules and Office language policy.
19. Knowledge on RSP, M&P Programme , PWP,LSWP, etc....
20. General knowledge of Railway Establishment and their functions.
21. Knowledge of computer, E-mail etc.

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