



SOUTH CENTRAL RAILWAY

Office of the DRM/P,
Personnel Branch,
Sanchalan Bhavan,
Secunderabad.

No.SCR/P-SC/210(a)/DLS/KZJ/JE/PRQ

Date: 05.11.2021

JE/DLS/KZJ (PRQ) Notification

Sub: Formation of panel for filling up of the post of Junior Engineer/DLS/KZJ of Mechanical wing in Level-6 7th CPC Pay Matrix against 25% Promotional quota in Mechanical Department of Secunderabad Division - Reg.

Ref: Sr.DME/DLS/KZJ's letter no. C/M/DLS/KZJ/30/21 dated 01.11.2021.

- 1.0 It is proposed to conduct a selection for formation of panel for promotion to the post of JE/DLS/KZJ of Mechanical wing in Level-6 of 7th CPC Pay Matrix against 25% Promotional quota in Mechanical Department of SC Division. The details of vacancies are as under:

Category	Quota	Level (in 7 th CPC)	UR	SC	ST	Total
JE/DLS/KZJ	25% PR Quota	Level-6	03	---	---	03

2.0 Conditions of eligibility:

- 2.1 Three times of senior most Sr.Tech of combined seniority (Mechanical wing & Ancillary) to the number of vacancies will be called for selection in terms of Para-215(e) of IREM Vol-I.
- 2.2 The following employees working in the immediate lower grade i.e. Sr.Tech/DLS/KZJ are called for selection in the order of combined seniority and on the basis of willingness communicated vide Sr.DME/DLS/KZJ's letter under reference.

Sl.No	PF.No	Name (S/Sri/Smt)	Community	Design/Station
1	24290606450	K.Jampaiah (Ancillary)	ST	Sr.Tech/DLS/KZJ
2	24203681490	M.Sudarshanam	SC	Sr.Tech/DLS/KZJ
3	24203681506	A.Srinivas	UR	Sr.Tech/DLS/KZJ
4	24203678015	T.Purushotam	UR	Sr.Tech/DLS/KZJ
5	24203681725	P.Mahender	UR	Sr.Tech/DLS/KZJ
6	24203681270	D.Venkat Swamy	ST	Sr.Tech/DLS/KZJ
7	24290142690	P.Venkateswarlu	ST	Sr.Tech/DLS/KZJ
8	24203680435	M.Srinivas	SC	Sr.Tech/DLS/KZJ
9	24203676419	L.Ramakrishna	UR	Sr.Tech/DLS/KZJ

- 2.3 The list of above employees is final. If one or more employees mentioned above give unwillingness for selection on a subsequent date, additional persons will NOT be called to compensate for him/them in terms of Note-2 of Para-215(e) of IREM Vol-I.
- 2.4 The above employees may be notified about the notification and clear acknowledgement may be obtained. In case of any employees, who are on leave/sick list/on line, copy of notification may be sent to their home address.
- 3.0 Pre-selection training:
- 3.1 Since, the vacancies are not meant for SC/ST employees there will be no pre-selection training.
- 4.0 Syllabus:
- 4.1 Syllabus for the written test is enclosed as Annexure 'A'.

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- 4.2 There shall be questions on Official Language policy & Rules upto 10% of marks. However, it is not mandatory to attend the same.

5.0 Sample Questions :

- 5.1 Sample Questions are available on official website - www.scr.indianrailways.gov.in. the same may be downloaded.
- 5.2 Sample Questions are only indicative in nature but not exhaustive. The examinees are advised to update their knowledge keeping in accordance with the change of technology and job requirement with latest Rules/circulars/policies.

6.0 Date & Venue of written examination:

- 6.1 The date of written examination and venue will be informed at a short notice. Hence, employees are advised to be in readiness for written examination.
- 6.2 Supplementary written test will be conducted if necessary, in respect of staff who could not attend to the scheduled written examination for the reasons as envisaged in Para-223 of IREM Vol-I.

7.0 Mode of selection:

- 7.1 The post of JE/DLS/KZJ being a safety one, there will be no relaxation in qualifying marks, for employees belonging to SC/ST community. They have to secure minimum 60% of marks in written test & 60% in aggregate on par with UR employees (Para 10.1.1 of S.C.No.320/1999).
- 7.2 The selection consists of Written Examination, Perusal of Record of service and Medical Examination.
- 7.3 Professional Ability will be adjudged through written examination only. The employees must secure a minimum 60% marks in professional ability and 60% marks of the aggregate for being placed on the panel.
- 7.4 Written Examination will be objective type multiple choice question paper consisting of 110 questions (including 10 questions on Official Language Rules), of which employees are required to answer any 100 questions.
- 7.5 If the employee attempts more than 100 questions, the first 100 attempted questions will ONLY be evaluated. The questions attempted beyond first 100 questions will NOT be evaluated and ignored.
- 7.6 To ensure authenticity of the answers, Cutting, over writing, erasing or alteration of any type in the answer will NOT be accepted. Zero marks will be given for answers having correction or overwriting or alteration. The employees are strictly advised to note that such type of questions are treated as attempted questions i.e. they will be included in the first 100 attempted questions.
- 7.7 No negative Marks: There shall be NO negative marking for incorrect answers as selection is against promotional quota (PCPO/SC's SC No.159/2019).
- 7.8 The duration of examination will be 120 minutes.
- 7.9 Further provisions of PCPO/SC's SC No.212/2018 will be applicable for the said written examination.

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7.10 **Medical Examination:** Employees qualified in written test must be fit in the requisite medical classification. In the event of not meeting the requisite medical classification, their names will be dropped.

7.11 **Eligibility for empanelment:** On being found fit in prescribed medical classification, the names of selected employees shall be arranged in the order of seniority on the basis of factors/procedure in terms of Para-219 of IREM Vol-I in respect of this selection and in terms of PCPO/SC's Lr. No. P(R)605/XI, dt:22.08.07.

7.12 **Training:** The empanelled employees are required to undergo training for a period of 13 weeks in terms of PCPO/SC's SC No.22/2018.

8.0 Notifying to the staff:

8.1 The controlling officer/supervisor shall give wide publicity of the notification to all the eligible staff of Mechanical Department, DLS/KZJ of SC Division and notification should be displayed at conspicuous place. It is the responsibility of controlling officer/supervisor to circulate the notification among the staff concerned.

8.2 In terms of Railway Board's Lr.No.E(NG)I-72/PM1/166, dated 26.06.1972, PCPO/SC's S.C.No.213/72, the Senior Subordinate/Supervisor concerned has to furnish a certificate that "the eligible employees were duly notified of the holding of the test and asked to submit their applications duly giving their willingness and forward the same to Sr.DPO/O/SC" 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.

8.3 The Notification, Sample Question Bank are placed on SCR website:

(www.scr.indianrailways.gov.in)→About us→ Divisions→Secunderabad→ Personnel Question Banks→ JE/DLS/KZJ (Sl.No.41)

This issues with the approval of Competent Authority.

Encl: Syllabus (Annexure-A)

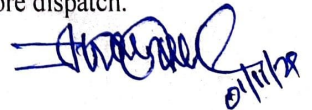

(D.NARASIMHA)
APO-M&EL/SCOS/11/xx
for Sr.DPO/SC

Copy to:

- 1) Sr.DME/DLS/KZJ 2) SDGM/Vig./SC (kind attention of Dy.CVO/P/SC)
- 2) OS/Selection Cell 4) OS/IT Cell: for uploading in website.
- 3) DSS/SCRES/SCRMU/AISCSTREA/SCROBCREA/SC division.

Syllabus for Selection of JE against 25% PRQ DSL-Mechanical

1. Knowledge of basic principles and terminology of Mechanical equipment of all types of Diesel locomotives and Diesel units maintained by Shed.
2. Knowledge of all types of diesel locomotives and Diesel Units maintained by shed. Constructional details, 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, trouble shooting, rectification of Alco and HHP locomotives
6. Knowledge of latest developments like long life lube oil filters, Moatti fillers, Plate type lube 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 and 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 dispatch.



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 calipers
 - (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 locos and 30D, 90D, 180D, 270D, Y1, Y2, Y3, Y4, Y5, Y6 schedules for HHP locos) 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 Raj-basha, Computer, E-mail etc.

