



PBC No: 163/2023

दक्षिण रेलवे Southern Railway  
प्रधान मुख्य कार्मिक अधिकारी का कार्यालय  
Office of the Principal Chief Personnel Officer  
मुख्यालय, कार्मिक विभाग, चेन्नै -600003  
Headquarters, Personnel Department, Chennai-600003

सं/No: P(S)608/1/Engg/Blacksmith

दिनांक/Dated: 24.08.2023

All PHODs/ DRMs/ CWMs/ CEWE/ CAO/ CPM/ PDA/Dy.CPOs/ Sr.DPOs/ Secy to GM,  
Chairman/RRB/MAS,TVC, Addl.Registrar/RCT/MAS, Secretary/RRT/MAS,  
Principal MDZTI/TPJ, SRCETC/TBM, ZETTC/AVD,  
DPOs/SPOs/WPOs/APOs of HQ/Divisions /Workshops/Units.

विषय /Sub: Revised syllabus for Selection to the Post of Technician Grade-III/  
Blacksmith (P.Way & Works wing) against 25% LDCE Quota

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The revised syllabus for Selection to the Post of Technician Grade-III/Blacksmith  
(P.Way & Works wing) against 25% LDCE Quota approved by CE/Genl is enclosed as  
Annexure for information, guidance and necessary action.

(एस.के.इदुशेखर /S.K.Indusekar)

Encl: 1

सहायक कार्मिक अधिकारी/ प्रौ.सं व प्रशिक्षण/APO/IR & Trg  
कृते प्रमुकाधि/For Principal Chief Personnel Officer

Copy to: The General Secretary/SRMU  
The General Secretary/AISCTREA  
The General Secretary/AIOBCREA  
The General Secretary/NFIR

IT Section/PB/HQ - to upload in the SR website.

**Revised syllabus for Selection to the Post of Technician Grade-III (Blacksmith)**  
**(P.Way & Works wing)**  
**against 25% LDCE Quota.**

**I. Professional Knowledge :**

1. Knowledge about the Engineering tools required for blacksmith work
2. Knowledge and role of blacksmith working in Railways
3. Knowledge of sizes and weight of Rails, Structural Steel Sections
4. Knowledge of using Rail cutting including knowledge of hacksaw blade, drill bits and sizes, jim crow, mending of tool, kinds of coals and blowers
5. Knowledge of marking, chiselling, punching and bending
6. Knowledge of preparation of rivets for bridge riveting works
7. Knowledge on Rectification to the Failure of Lifting Barrier, Winch, etc., at Level Crossing and installation mechanism of Lifting Barrier.
8. Chamfering of holes .
9. Knowledge regarding drilling hole for gapless joint
10. Safety precautions during working on the track
11. Emergency failure attention & Permanent restoration in case of RF/WF
12. Functional and Repair Mechanism of Ballast Train ( BOBYN )
13. Knowledge regarding various welding technique – arch welding gas welding etc for Welding of Rails, Structural Steel, etc.,
14. Knowledge regarding way, works and bridges connected with the trade
15. Basic Knowledge on Tools and Small Track Machines (Abrasive Rail Cutter, Drilling Machine, Rail Tensor, etc.)

**II. Official Language Policy and Rules**

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