



NORTH CENTRAL RAILWAY
Subedarganj PRAYAGRAJ-15

Letter no. 797-E/Estt./Mech./CMS-Promoton/2022 Date 19.01.2024

PCME, PFA,CWE/NCR/PRYJ.
CESE/CMPE/DSL/NCR/PRYJ
DRM/P
PRYJ/ JHS & AGC
CWM/ JHS/W & CMLR
CWM/RSK/STLI/GWL
Sr. DME/DSL/PRYJ,CNB,JHS & STLI/GWL
Sr. DME/ELS/CNB & JHS
Sr. DME /Memu Car Shed/TMS/CNB

NOTIFICATION

Sub: Selection for the post of Chemical and Metallurgical Superintendent in Pay Level 7 against 33% LDCE Quota from CMA in Level-6 of Mechanical Department-NCR

Railway Board has prescribed 33% LOCE Quota for promotion of serving CMA in Level 6 to CMS in Level 7 as contained in Pars 168 (4) (ii) of IREM Vol-1 letter No E (NG-11/2004/RR/1/5 Pt dated 16.02.2018, 24.04.2018 & 14.05.2019). Accordingly assessment for filling up vacancies of CMS of Mechanical department has worked out to conduct the Selection through 33% LDCE Quota.

01. Assessment of vacancies

Post	Scale	Vacancies with reservation				
		UR	SC	ST	PWD	Total
Chemical and Metallurgical Superintendent (CMS) of Mechanical Department	Level 7	09	02	01	01	13

02. Eligibility Criteria:

2.1 Service conditions: Serving Chemical and Metallurgical Assistant(CMA) in Level-06 of Mechanical Department having qualification mentioned in Para 2.2 and minimum 2 yrs regular service as CMA will be eligible to appear in the selection (Railway Board's RBE No. 102/2019 dated 25.06.2019, Railway Board's Letter No E(NG)-U/2019/PM 1/20 dated 19.12.2019)

2.2 Qualifications.

- (I) Bachelor Degree in Science with Physics and Chemistry with Minimum of 45% Marks]
OR
(II) B Tech in Metallurgical/Chemical Engineering
OR
(III) M.Sc. Degree in Chemistry/Applied Chemistry
(Railway Board's RBE No. 60/2019 dated 14.05.2019)

Signature

03. Pre Promotional Training

As per extant rules Pre-Selection Training Classes will be organized in respect of SC/ST employees is to be imparted covering the syllabus of the examination for selection (Annexure- I) safety category post and will be imparted for a period 3 to 4 weeks

After completion of the Pre-Selection Training, a certificate has to be issued by the controlling officer to the effect that all the eligible SC/ST employees have been imparted Pre Selection Training for a period of 3-4 weeks covering the syllabus prescribed for the examination, In case of any employee expresses his/her unwillingness for Pre-Selection Training, a written declaration to that effect may be obtained and forwarded to this office for record

04 Syllabus:

The syllabus for the written test is enclosed as Annexure-I

05. Mode of empanelment:-

This Selection is a Selection As Per Para 219 (1) of IREM Vol-I as per Railway Board's Letter No. E (NG) II-2018//PM7/4 SLP Dated 19.06.2009 & 12.01.2011

All the eligible candidates will be subjected to a written test. The final panel will be drawn up in the order of merit based on the aggregate marks of professional ability and record of service. There will be no classification of candidates as outstanding.

The post of CMS is classified as "Safety category post. So there is no relaxation in qualifying marks to the employees belonging to the category of SC/ST and hence they are also required 60% marks in the written examination i.e. in Professional Ability and 60 % marks in aggregate for being placed in the panel **(Railway Board's Letter No. E (NG)-1/2019/PM 1/20 dated 19.12.2019)**

The mode of empanelment in terms of above Para shall be as below-

Factors/Heading	Maximum Marks	Qualifying Marks
01. Professional Ability	50	30
02. Record of service	30	--
Total	80	48

06. Written examination:-

In terms of Board's Letter No E(NG)1/2018/PM1/4 Dated 14 11 2019, for written CBT(Computer Based Test) examination will tentatively be held on 15.03.2024. The Question Paper consist of 100% objective type with multiple choice answer only and there will be negative marking for incorrect answer i.e. 1/3rd of the marks allotted for each question will be deducted for each wrong answer Also cutting overwriting erasing alternation of any type in answer will not be accepted. Zero marks will be given for answers having correction/overwriting.

Note: The question paper will be in Hindi and English language Those who wish to write their paper in Hindi or English should mention in the application itself and also on the OMR (Reference Railway Board's letter no. E(NG)- 98/PM1/7 dated 20.10.1999) No Calculator Mobile phone or any other Digital gadgets are allowed in the exam room. Any body found using such gadgets will be debarred from the examination **No supplementary examination would be conducted under any circumstances for the absentees.**

Handwritten signature

07. Training: - All successful candidates shall be placed on training in orientation courses as per program.

08. Pay/Stipend during training:-

All empanelled candidates in the Pay Level-7 will have to complete the prescribed orientation course as per programme on successful completion of orientation course and any on-job training they will be absorbed in the regular cadre and posted as CMS in Pay Level 7.

9. How to apply:

Those employees fulfilling the conditions specified in the Para 2.1 & 2.2 and are willing to participate in LDCE should apply as per the format enclosed in Annexure-II The Department controlling officer will forward the applications to personnel branch of concern division/units on date-15.02.2024 and concern division/units forward the bunch of applications in the prescribed format attached and duly certified by Personnel Branch to reach the office of the undersigned by 20.02.2024. No application shall be entertained beyond the said date

Incomplete application and application without forwarding by the controlling officer and certified by Personnel Branch shall not be entertained.

Application in piecemeal manner shall not be accepted

Note: Application as per the format (Annexure II) should be submitted along with self- attested photocopies of the certificate of the relevant Academic/Technical qualification and caste community certificate (Ref-Railway Board letter no E(NG) 11/2004/RR-1/5 pt dated 16.02 2018 & 14-5-2019)

The contents of this notification may be given wide publicity This is available in NCR website

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Enclosed: 1. Annexure-I Syllabus
2. Annexure-II Application format

Jitendra
19/01/24
(Jitendra Singh)

Asstt. Personnel Officer/HQ
for PCPO/NCR

Copy for information please

1. CPO/Admn./NCR/HQ,
2. Secy.NCRES, NCRMU, SC/ST/OBC Association-NCR/PRYJ
3. CS&WI/NCR/HQ,

Application for the Selection of CMS, Level-7 through in 33% LDCE Quota for Mech. Dept. in NCR

Ref:- PCPO/NCR's Notification No. 797-E/Estt./Mech./CMS-Promotion/2022 DATE .01.2024

Passport Photograph with Attested from controlling Officer
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SN	Name(In Capital Letters) (Shri/Smt./Miss)	
1	Father's Name (Shri)	
2	Designation	
3	Place of Working	
4	Date of Birth	
5	Date of Joining as Apprentice CMA	
6	Date of regularization in CMA	
7	Present Pay & Level	
8	PF/NPS no.	
9	HRMS ID	
10	Educational Qualification (Self attested copy of the mark sheets attached)	
11	Caste(Self attested copy of certificate to be enclosed)	
12	DAR/ Vig./ SPE	
13	Mobile No.	
14	e-mail id	
15	Language of Exam (Hindi/English)	

Enclosures:-

1. Educational Certificates
2. Caste Certificate

I hereby declare that all statements made in this application are true. Complete and correct to the best of my knowledge and belief. I undersigned that in the event of any information being found false of my stage or not satisfying the eligibility criteria according to the requirement of the post my candidature/selection is liable to be cancelled/ terminated.

Place-

Date-

Signature of Applicant

Countersigned By controlling officer
(With office Seal)

Certified that the above particulars have been verified from service record of the applicant and found to be correct.

Signature of the Personnel officer
(With office Seal)

SYLLABUS FOR SELECTION FOR PROMOTION TO THE POST OF CMS(9300-14800 + GP 4600/-), 33 % AGAINST LDCE

1. Iron - Carbon Equilibrium Diagram, its interpretation and application
2. Stress-Strain Diagram & its interpretation
3. Alloying of steel and the effect of different alloying elements.
4. Different types of Heat treatment processes and their applications to various types of Plain Carbon Steel, Alloy Steel, Cast Iron and Non-Ferrous components.
5. Various standard specifications and quality standards as regards testing with particular reference to metallurgical and chemical aspects.
6. Various defects in manufacture of Iron and Steel. Should also be conversant with the metallurgical aspects of forging, casting, rolling, welding and other forming methods of metals and alloys.
7. Methods of Chemical Analysis of plain carbon steels, alloy steels, cast irons and various non-ferrous metals and alloys by Spectrometer & by Wet Analysis Methods.
8. Mechanical testing of different types of metals and alloys for tests such as tensile strength, compression strength, impact, hardness etc., with knowledge of preparation of standard test pieces required for carrying out the above tests.
9. Metallographic testing of different types of metals and alloys used in Railways with the knowledge of preparation of samples for their metallographic examination, etchants used etc.
10. Metallurgical Investigation of Loco, Coaches, Wagons & Permanent Way Components, weld joints, etc. failed in service and preparation of reports thereon.
11. Non-Destructive testing methods such as X- Rays, Ultrasonic, Magnetic Particle, Dye Penetrant, Zyglo, etc. used in testing the quality of components.
12. Methods of testing of different types of paints, lubricants, plywood, thermal insulation materials, Miscellaneous materials, etc. used in Railways.
13. Various types of Rubbers, Plastics & Composites used for various components used in Railways and be conversant with various methods of testing of the products.
14. Testing of Lubricant & Allied Oils, greases, transformer oils, etc.
15. Dissolved Gas Analysis of Transformer Oils.
16. Wear Metal Analysis of Lub Oils by Spectrometer
17. HSD Oil Testing.
18. Quality Checks of Coolant Water used in Diesel locos.
19. Demineralization of Hard Water.
20. Testing of Bio-Toilet Effluents & its significance.
21. Metallurgical principles involved in factors influencing Corrosion of steels and its prevention.
22. Setting up of "Chemical & Metallurgical Laboratory" in Workshop, Diesel Loco Shed, Electric Loco Shed, RCH Deposition
23. Setting up of IMS in Shed.
24. Accreditation by Bureau of Indian Standards, IMS Certification, ISO- 3834 Certification, etc.

25. D & A Rules
26. Conduct Rules.
27. Leave Rules.
28. Pass Rules.
29. Rajbhasha Act 1963
30. Rajbhasha Rules 1976
31. Incentives given by the Railways to promote Hindi as an Official Language.

