

05 to 2019

South Eastern Railway

Notification No: SER/P-ADA/EE/3/DPQ (Works)/19

Date: 16.10.2019

To,
The ADEN, s (Special, Settlement, East/Adra), BQA, PRR, BKSC, BJE, MHQ, Bridge/PRR.
S.E.Railway, Adra Division

Sub: Selection for promotion to the post of JE (Works) against 25 %
Departmental Promotion Quota (DPQ) in scale Level-6 (7th CPC)/ GP 4200/-
of Engg.Deptt/Adra Divn.

In order to fill up the 06(UR-04, SC-01, ST-01) vacancies of JE(Works) against 25 % (DPQ) option are hereby invited from the staff who are fulfill the following eligibility criteria from Sr.Tech(MCM) in identical grade of Level-6(7th CPC)/GP-Rs.4200/- and the existing Tech- I. The selection shall consist written test followed by scrutiny of service record and APAR/ACR's of the candidate who will qualify in the written test and the panel will be formed in order of merit in terms of Estt.Srl.No.132/2009.

In terms of Estt.Srl. No: 112/2006 the staff working in the following Categories may compete the said selection provided they fulfill other eligibility conditions in this connection. JE (Works) as Safety Category in terms of Estt.No.179/17.

Eligibility Criteria.

Sr.Tech(MCM) in identical grade of Level-6(7th CPC)/GP-Rs.4200/- and the existing Tech- I in Level-5 (7th CPC)/GP-Rs.2800/ are eligible to be consider for selection of promotion to the post of JE (Works) against 25% Departmental Promotion Quota in terms of Estt.Srl.no-49/05.

Candidates shall have completed 02(Two) years regular service as on date of notification in the concern seniority Unit in terms of Estt.Srl.No-26/2014.

Candidates should have prescribed medical classification in A3 (Aye three) Category and educational qualification Matriculation or equivalent to matriculate. The selected candidates should have passed in A3 medical category before their final posting as JE(Works).

The last date of receipt of application : **15.11.2019**

The tentative dates for written test will be notified later on.

This issue with the approval of competent authority.

Eligible SC/ST candidates are to be imparted pre- selection coaching/training for 03 to 04 weeks in terms of Estt.Srl No.24/98.

Railway Board have been ordered to introduce 100% objective multiple choice question paper for promotional examination to expedite and simplify examination process under RBE No.196/2018 which is circulated by PCPO/GRC vide Estt.Srl.No-73/2019.

The notification should be given wide publicity amongst the staff of Engg.deptt and also displayed in the notice board in each Station/Unit/Office positively and application as received by them should be sent in a bunch duly forwarded by their Controlling Officer to this office through Sr.DEN (Co)/Adra office on or before 25.11.2019 positively and it should be ensured that service particulars must be verified by the Bill Compiling In-charges.

The proforma of the application is enclosed herewith and all the 12 columns of the proforma should be correctly filled-up and forwarded by the controlling Officer. Application not completed in all respects or not fulfilled the eligibility criteria will liable to be rejected.

Encl: 1) Syllabus for JE(Civil)

2) Proforma of the Application (Annexure-A)

Copy forwarded for information & necessary action to:-

PS to ADRM for kind information to ADRM/Adra.

Sr.DEN (Co)/ Adra, Ch.OS(G)/Sr.DEN(Co)/Adra, All SSE (P-way/Works/STMMD)/Adra Divn.

All Bill unit in charge, He/She is also advised to verify the service particulars of the staff from their SRs and certify the same on the respective application.

SSE(Engg/Control)/Adra for control message to the all supervising unit of Engg/Deptt in Adra Divn.

Copy to OS/DRM cell (Sri Soumen Chatterjee) for uploading in Rail.net/web. site,/Adra Divn


For Sr.Divl.Personnel Officer
S E Railway, Adra


For Sr.Divl.Personnel Officer
S E Railway, Adra

PROFORMA FOR APPLICATION

Annexture-A

To,
The Sr.Divl.Personnel Officer
South Eastern Railway/ Adra

Sub: Application for appear to the Selection for promotion to the post of JE(Works)
in scale in Level-6(7th CPC)/GP-Rs.4200/- against 25% DPQ of Engg/Deptt/ Adra Divn.

Ref: Notification No: SER/P- ADA/EE/3/DPQ(Works)/19. dtd.16.10.2019

In reference to the above notification, I beg to offer myself as a candidate for the said selection.

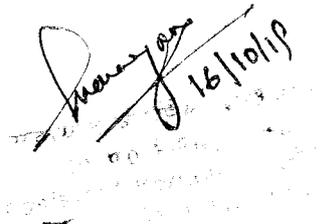
My Service particulars are as under:-

- 1) Name (Block Letter) :-
- 2) Father's name :-
- 3) Caste :-
- 4) Designation/Stn. :-
- 5) Department :-
- 6) Working under (Supervisor In-Charge)
- 7) Date of Birth :-
- 8) Date of Appointment :-
- 9) Date of Promotion as Sr.Tech(MCM)
(Scale-Level-6(7th CPC)/GP-Rs.4200/-) :-
- 10) Date of Promotion as Tech-I
(Scale-Level-5(7th CPC)/GP-Rs.2800/-) :-
- 11) Medical Classification :-
- 12) Educational Qualification :-

Yours faithfully,

Signature:-

Service Particulars verified By the Bill Compiling In-Charge
With seal.


16/10/19

Syllabus for Junior Engineer (Civil)

Building Materials: Physical and chemical properties, classification, standard tests, uses and manufacture/quarrying of materials e.g. building stones, silicate based materials, cement (Portland), asbestos products, timber, and wood based products, laminates, bituminous materials, Tar, paints varnishes.

Estimating, costing and Valuation: estimate, glossary of technical terms, analysis of rates methods and unit of measurement, items of works- earthwork, Brickwork (Modular & Traditional bricks), RCC work, shuttering, Timber work, Painting, Flooring, Plastering. Boundary wall, Brick building, Water Tank, Septic tank, Bar bending schedule, Centre line method, Mid-section formula, Trapezoidal formula, depreciation and obsolescence.

Surveying: Principles of surveying, measurement of distance, chain surveying, working of prismatic compass, compass traversing, bearings, local attraction, leveling, definition of terms used in leveling, contouring, temporary and permanent adjustments of dumpy level, methods of contouring, uses of contour map.

Soil Mechanics: Origin of soil, phase diagram, Definitions- void ratio, porosity, degree of saturation, water content, specific gravity of soil grains, unit weights, density index and interrelationship of different parameters, Consolidation of soils, Principles of consolidation, normally consolidated soil, soil compaction, Laboratory compaction test, Maximum dry density and optimum moisture content, earth pressure theories, active and passive earth pressures, Bearing capacity of soils, plate load test, standard penetration test.

Transportation Engineering: Highway Engineering – cross sectional elements, geometric design, types of pavements, pavement materials – aggregates bitumen, different tests.

Design of flexible and rigid pavements – Water Bound Macadam (WBM) and Wet Mix Macadam (WMM), Gravel Road, Bituminous construction, Rigid pavement and in pavement joint pavement maintenance, Highway drainage.

Railway Engineering: Components of permanent way – sleepers, ballast, fixtures and fastening, track geometry, points and crossings, track junction, stations, stations and yards.


व० मंडल अभियंता (स०)
द०पूर्व०रेलवे आद्रा
Sr. Divisional Engineer (Co)
S.E.Railway,Adra

Environmental Engineering: Quality of water, source of water supply, purification of water, distribution of water, need of sanitation, sewerage systems, sewerage treatments. Surface water drainage. Solid water management- types, effects, Rain water harvesting- various types and benefits.

Construction Equipments: Excavator, dozer, various types of rollers, vibrators, Tar broiler, spreader, Concrete Mixture machine, RMC machine, sly-ranges, various kinds of pumps and its uses etc.

Building Construction: Various kinds of brick masonry, various kinds of stone masonry, RCC frame structure, various kinds of floor, precautions taken during masonry and plastering and flooring works.

Structural Engineering:

Theory of Structure: Elasticity constants, types of beams – determinate and indeterminate, bending moment and shear force diagrams of simply supported, cantilever and over hanging beams.

Concrete Technology: Properties, Advantages and uses of concrete, cement aggregates, importance of water quality, water cement ratio, workability, mix design, storage, batching, mixing, placement, compaction, finishing and curing of concrete, quality control of concrete, hot weather and cold weather concreting repair and maintenance of concrete structures.

RCC Design: RCC beams-flexural strength, shear strength, bond strength, design of singly reinforced and double reinforced beams, cantilever beams, T-beams, lintels, One way and two way slabs, isolated footings, columns.

Steel Design: Steel design basics of rivets and welding construction of steel columns, beams.

General Awareness: General Knowledge, RTI Act, Maximum Wage Act, Hours of Employment Regulation, Factory Act, Fundamental Rights of Indian Citizen, Basics of Indian Constitution, General Mathematics, Calculation of Area and Volume of different shapes, Trigonometry.


व० मंडल अभियंता (स०)
द०पूर्व०रेलवे आद्रा
Sr. Divisional Engineer (Co)
S.E.Railway Adra