

EASTERN RAILWAY

No. E/18/E/Engg/S&T/IE(Sig)/I.A/20% LDCE

HWH, dtd. 09.01.2020.

**Sr.DSTE, Dy.CSTE/W/HQ, Dy.CSTE/CON/HWH,
DSTE & ASTEs
Howrah Division.**

NOTIFICATION

Sub:- Selection for filling up of the post of Junior Engineer/Signal in Level-6 under 7th CPC Pay Matrix (PB-2 Rs.9300-34800 with Grade Pay of Rs.4200/-in 6th CPC) in S&T deltd against 20% (I.A) LDCE quota on Howrah Division.

1. It is proposed to fill up two vacancies of Junior Engineer/Signal in Level-6 of 7th CPC Pay Matrix (Pay Band-2 Rs.9300-34800 with Grade Pay of Rs.4200) against 20% (I.AQ) Limited Departmental Competitive Exam (LDCE) quota in S&T department of Howrah Division.
2. The communal break-up of vacancies is as detailed below:-

Category	UR	SC	ST	Total
JE	01	-	01	02

Applications are invited/opted from existing regular Technicians/Signal of S&T Department of Howrah Division who fulfill the following terms & conditions.

3. **Eligibility and Service conditions of staff:-**

All serving Technicians of S&T dept. having the qualification of ITI/Act Apprenticeship Qualified pass in the relevant trade or 10+2 in Science (Maths & Physics) stream with minimum (03) three years of service in skilled grade i.e. Technician/Signal Gr.III or S&T department of Howrah division and above.

In terms of Railway Board's No E(NG)/99/PM7/17, dated. 25.08.2003, the qualification of ITI/Act Apprenticeship should be in the relevant trades for eventual absorption in the category for which the selection is conducted i.e. trades relevant to the post of Junior Engineer/Signal in S&T department of Howrah Division.

In terms of Railway Board's authority No. E (NG)/99/PM7/17, dated. 28.07.2003, if the employee otherwise eligible and possessing the qualifications of Degree or Diploma in the relevant branch of Engineering are also be eligible to volunteer to appear in the selection for induction as Intermediate Apprentices along with those with the qualification of ITI/Act Apprenticeship or 10+2 (Science Stream).

The volunteering staff should be below the age of 47 years in the case of General candidate and the upper age limit for SC/ST employees would be 52 years i.e. employees should have born not earlier than 09-01-1973 in the case of General category and not earlier than 09-01-1968 in the case of SC/ST employees respectively.

In terms of Railway Board's authority No.E(NG)/2005/PMI/52, dated. 22.08.2006, the cut-off date for determining the eligibility of the staff should be the date of issue of notification. As such the volunteering employees should stand fulfill the service conditions of age and educational qualifications and other service conditions as on the date of notification i.e. as on 09. 01.2020.

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Note:- In respect of employees who have reported/joined on this division on Inter Railway request Transfer/Inter Divisional request Transfer on bottom seniority the service rendered in the old unit will count for the purpose of qualifying service for promotion in the new seniority unit provided,

- i) He/She is otherwise eligible to be considered for the selection to Group 'C' post as per extant rules, and
- ii) The category in which he/she was working in the old unit is an eligible category for the selection/post in the new unit also.

4. (i) They should be prepared to work anywhere on Howrah Division of Eastern Railway.
(ii) Further their promotion is subject to their being fit in AYE THREE (A.3) Medical Category.

5. **Mode of Selection:-**

In terms of Railway board's Lr.No.E(NG)I/2000/PM1/41, dated. 20-08-2003, the positive act of selection to assess the professional ability of the candidate shall consist of written test only. The candidate has to obtain a minimum of 60% marks in professional ability, i.e. in written examination for being considered for further selection process of perusal of service record. The post of Junior Engineer being classified as "Safety Category post" there is no relaxation in qualifying marks to employees belonging to the category of SC/ST and hence they are also required to secure 60% marks in the written examination.

6. **Syllabus:-**

The Syllabus prescribed for selection to the post of Junior Engineer/Signal against (I.A) 20% LDCE quota is enclosed as Annexure – B.

Procedure for written examination:-

In terms of Railway Bd's authority No. E(NG)1/2018/PM ¼ Dtd. 14.12.2018 the question papers will be of 100% objective type multiple choice and there will be negative marking for incorrect answers i.e one third (1/3rd) of this marks allotted for each question will be deducted for wrong answer i.e in LDCE (I.AQ) there will be negative marking for wrong answer.

In terms of Bd's instructions questions on official language will form part of the professional ability for 10% of total marks. The questions on official language policy are compulsory but there shall not be any compulsion on the part of the candidates to answer such questions.

In terms of Railway Board's Lr.No.E(NG)I-2004/PM1/25, dated. 21.09.2004, the question paper for written test held as part of selection/LDCE should be to test the ability of the candidates to tackle the practical problems will be on practical basis. However, the candidates will also be tested on theoretical knowledge where ever required.

*For
9/1/2020*

7. Pre-Selection Coaching:-

In terms of instructions contained in Railway Board's Lr. No.88-E(SCT)1/42/2, dated. 8/11.01.1991, pre-selection/pre-promotion training to SC/ST employees is to be conducted covering the syllabus of the examination for selection to Safety category post and will be imparted for a period of 3 to 4 weeks. After completion of the pre-selection coaching, 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 coaching for a period of 3 to 4 weeks covering the syllabus prescribed for the examination. In case if any employee expressed his unwillingness for pre-selection coaching a written declaration to that effect may be obtained and forwarded to this office for record.

8. Question Bank:-

In terms of Railway Board's Lr. No.E(NG)I-2006/PMI/34, dated. 06.11.2006, updated. Question banks covering the complete syllabus will be provided to the staff concerned or the same can be downloaded from the official website of www.er.inidanrailways.gov.in. It is further advised that there will not be any mandatory limit of questions from the question banks. The controlling officer /supervisor will have to ensure that the question bank is circulated to all the eligible staff and postponement of selection due to non-circulation of question banks will be viewed seriously. The answers to the objective questions should be updated with latest instructions/amendments/modifications issued by the Railway Board/Hqrs. The question papers will be bilingual i.e Hindi as well as in English version.

9. Date of Examination:-

The date, venue and time of examination will be intimated separately. However, it is to be advised to the volunteering staff that there will be no supplementary examination to the absentees. The candidates may keep an update from time to time from Howrah Division's official website i.e. www.er.inidanrailways.gov.in.

10. Procedure for drawal of Panel:-

In terms of Railway Board's Lr.No.E(NG)I-2008/PM7/4 SLP, dated. 19.06.2009, the final panel shall be drawn in the order of merit based on aggregate marks of Professional ability and "Record of service" since the zone of consideration is not confined to three times the number of staff to be empanelled and candidates being called from different categories from different department/within the same department, as the case may be. However, a candidate must secure a minimum of 60% marks in the 'Professional ability' and 60% marks in the aggregate for being placed on the panel and final empanelment is subject to the availability of vacancies.

11. Additional information for guidance to the Staff:-

The distribution of marks under the head of "Professional ability" and "Record of service" is 50 and 30 respectively to assess the suitability of the candidates for considering for empanelment to the post of Junior Engineer. The assessment under "Professional Ability" will be based on the marks secured by the individual employee in the written examination held as part of Selection. The allotment of 30 marks under the head of "Record of Service" will be assessed (In grading of last 3 years APARs) as per the entries available in the Service Register with respect to the educational qualifications, awards and punishments. The marks will be added for each individual cash award/merit certificate issued during the Railway Week Celebrations preceding three years at Divisional level, Zonal level and at Railway Board level i.e. at the level of DRM/HOD/PHOD/GM/Railway Board. Similarly, marks will be deducted for each minor/major penalty imposed preceding three years.

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12. Notifying to the staff:-

In terms of Railway Board's Lr.No.E(NG)I-72/PM1/166, dated. 26.06.1972, 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 applications duly giving their willingness and forward the same to Sr.DPO/HWH. 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.

The above notification may be circulated to all the concerned.


13. Last date for submission of Applications:-

The willing and eligible volunteers has to submit their applications in prescribed proforma to their controlling supervisors & Officers on or before 09.02.2020 who will forward the applications in one bunch with a covering letter, to the controlling officer on or before 09.02.2020. The controlling officer has to forward all the applications in one bunch to Sr.DPO/HWH together with DAR/SPE/Vig clearance on or before 09.02.2020. The candidate should necessarily fill all the relevant columns and strike out the inapplicable columns indicating as "NA".

The Supervisory shall also affix their Signature & date while forwarding application to the controlling Officer. Incomplete applications, application received after the last date shall be summarily rejected.

Encl:-

1. Application Proforma (Annexure -- 'A')
2. Syllabus (Annexure- 'B')


(G. C. Das)

Asstt. Personnel Officer(G)
for Sr. Divl. Personnel Officer
Howrah

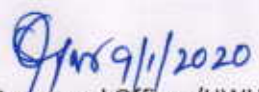
Copy to:- SSE/SE/Signal of all Units on the HWH Division for information and necessary action.

Copy to:- All ASTE's on HWH Division.

Copy to:- Divl. Secretaries of recognized Trade Unions & SC/ST Association,

Copy to:- Notice Board

Copy to:- SDGM/Vig/E.Rly/Kolkata for information & necessary action


for Sr. Divl. Personnel Officer/HWH

4) **Signaling in General:-**

- a) Location of signals various types of signals and their use.
- b) Working of siding taking off from loop line, working of siding taking from mid block section.
- c) Classification of LC Gates, rules for working of trolley, duties of maintenance of signal supervisors.
- d) Foot Plate inspection & Joints foot plate inspections.
- e) Signal failure investigations, reports and up-keep of data.
- f) Procedure in connection with opening of new works.

5) **Stores:-**

- a) Imprest stores
- b) Consumable Stores
- c) Dead Stock & T&P maintenance & DMTR.
- d) Written off stores and custody.
- e) Stock verification & theft of stores.

6) **Establishment Matters :-**

- a) Work man compensation not
- b) HOER
- c) DAR major penalties & Minor Penalties.
- d) Various types of leave rules, Pass Rules and other welfare measures.

7) **Official Languages(Raja Basha)**

- a) a,b & c regions, various incentives issued for implementation of Raj Basha.
- b) Equivalent words in Raj Basha for certain words in English.
- c) Usage of Raj Bhasa in official correspondence.

8) **Modern Railway Signaling:**

- a) Electronic Interlocking – Various types used in SC Rly & their salient features
- b) IPS,
- c) Data loggers
- d) BPAC & SS-DAK
- e) LED

9) **G&SR:-**

- a) Absolute block working, Automatic block working, Signals in generation, Location of various signals
- b) Working of trains during total failure of communication
- c) Standard schedule of dimensionsm-2004
- d) Infringements – Maintenance of Infringements records.

9/11/2020

Application for Selection to the post of Junior Engineer/Signal of S&T department of HWH Division in
Level-6 of 7th CPC Pay Matrix
(PB-2 Rs. 9300-34800+G.P. Rs.4200 in 6th CPC) against 20 LDCE quota.

1. Name of the Employee
2. P.F. A/c No.
3. Designation/Station
4. Date of Birth(In Christian era):-
5. Age as on 09.01.2020

Affix recent
photograph
attested by
controlling
Supervisor

Yrs Months Days

6. Community: UR/OBC/SC/ST
(Write the relevant community in Bold letters in the box

7. Date of initial Appointment/Station/Unit/Deptt/Divn./Rly.
 - a) As Technician Gr.III:
 - b) As Technician Gr.II:
 - c) As Technician Gr.I:
 - d) Senior Technician:

8. Total length of service:
In Technician Gr.III and above: yrs months days

9. Educational Qualifications:
(Attested Copies of certificate s to be enclosed)

10. Awards conferred during the last three years(Railway Week):
 - a) Divisional Level(DRM Level):
 - b) Headquarters Level/PHOD/HOD:
 - c) GM/Railway Board's Level:

11. Penalties imposed during last three years:
 - i) Minor
 - ii) Major

12. Any other relevant information:

Declaration: I hereby declare that the particulars furnished are true, complete and correct to the best of my knowledge and belief. I understand that, if at any stage it is found that the information furnished is false or incorrect or I do not satisfy/fulfill the eligibility criteria, my candidature/appointment on promotion is liable to be cancelled besides disciplinary action as per Rules.

I have read the contents of the notification and agree to abide by the Rules, regulations and procedure prescribed for promotion to the post of Junior Engineer/Signal of S&T department of HWH Division.

Date:

Signature of the Employee:

Station:

Name:

Designation:

[Handwritten Signature]
9/1/2020

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Syllabus for Selection to the Post of JE Gr.II/Signal 20% LDCE Quota and 40% Promotional Quota.

1) Signaling & Interlocking :-

- a) Principles of Interlocking as per SEM.
- b) Preparation of Signaling plans and Numbering MACLS, PI Lay outs.
- c) Preparation of Inter cabin slotting.
- d) Signal control circuits for MACLS PI British type both route setting and non-route setting.

2) Electrical Signaling:-

- a) Relays of various types used in Eastern Railway.
- b) DC track circuits & their components, initial adjustments, insulating of points & cross overs, etc. Preparation of track bonding diagrams for different lay outs,(Series, parallel, series parallel)
- c) Electric point machines, universal and Siemens type and their working control and detection circuits, various checks to be carried out and measurements to be taken during maintenance.
- d) Colour light signaling, cutting in arrangement, Fred lamp, protection, various signaling lamps in signaling.
- e) Automatic-signaling & basic principles and circuits.
- f) Electric Key transmitter and its wiring.
- g) Cables – various cables used in signaling, parameters of cable, length of paralism in RE area.
- h) Earthling: Various types of earths used in signaling, measurements of earth value, maintenance free earth & ring earth.
- i) Various transformers, rectifiers DC-DC concerts used in signaling.
- j) IPS –Components of various modules for way side stations – Periodical checking to be done.
- k) Secondary cells (LMLA) initial charging, deciding of capacity of charger based on cells, Telecom application chargers used in signaling.
- l) Solar Photo type cells and solar panels.
- m) Generators.
- n) Axis counters: Universal working block diagram, various cards available in the evaluator and their description and function of each card- Adjustment & readings.

3) Block Signaling:

- a) Push type button, token less block instruments, PTI type, Nomenclature of relays, working principles of various codes transmitted and received.
- b) Single line Daldo type instruments, frequencies used in transmitting and receiving codes, general working.
- c) SGE double line block instrument, lock and block circuit and LSS control circuit, "Dos & Dots", Automatic block signaling, circuits.
- d) IBS working principles.
- e) BPAC.

Handwritten signature and date: 19/1/2020

(For use of the controlling supervisor of the employee)

It is certified that the particulars by the employee are verified with the records available in this office and found to be correct. He fulfills the eligibility criteria as stipulated in the notification.

The application is forwarded to Sr. DSTE/HWH for further necessary action please.

Date:-

Signature of the Controlling Supervisor

Station:

Name of the Supervisor

Seal:

Designation:

(For use of the Controlling Officer of the employee)

Letter. No.

Date:-

Forwarded to Sr. DPO/HWH for further necessary action:

1. Verified and countersigned
2. Certified that there are no DAR/SPE/Vig cases pending against the above employee (In case any DAR case is pending against the above employee the details may kindly be indicated).

Date:-

Signature of the Controlling Officer

Station:

Name

Office Seal:

Designation & Stamp

Handwritten signature and date: 9/1/2020