(96)

Indian Railway
Banaras Locomotive works
Varanasi-221004

No. A/Adm/B/97/Programmer

PFA's Office
Date: 20/05/2026

Notification for Selection for the post of AEDPM/Programmer Gr.B in Level 8 (7th CPC).
(Vacancy cycle - 01.01.2021 to 31.12.2022, 01.01.2023 to 31.12.2024 and 01.01.2025 to 31.12.2026 (up to 30.06.2027)

Sub:- Formation of Panel for Selection for promotion to the post of AEDPM/Programmer Gr.B in Level 8 (7th CPC) in EDP department.

1. It has been decided to conduct Selection for promotion to the post of AEDPM/Programmer Gr. B in Level 8 (7th CPC) in EDP department. The break up of vacancies assessed for vacancy cycle - 01.01.2021 to 31.12.2022, 01.01.2023 to 31.12.2024 and 01.01.2025 to 31.12.2026 (up to 30.06.2027) including community wise breakup is as under-

Narration	UR	SC	ST	Total	**Cut off date**
Block Year					
01.01.2021 to 31.12.2022	01	NIL	01	02	01.01.2021
01.01.2023 to 31.12.2024	NIL	NIL	NIL	NIL	-
01.01.2025 to 31.12.2026 (up to 30.06.2027)	01	NIL	NIL	01	01.01.2025
Total	02	NIL	01	03	

2. ELIGIBILITY:

I. Group "C"Staff working on regular basis in EDP department and holding a post in Level 6 and above with minimum of 03 years of regular service and having the under mentioned qualification are eligible to appear for the selection.

IA. a) Master's degree in statistics/mathematics (with statistics)/ Operations Research/Physics or Economics(with Statistics)/ Commerce (with statistics) **or** Degree in Engineering/Computer Science of a recognized university or equivalent.

b) One (01) years experience of actual programming on an electronic computer or in the operation of an electronic computer (depending upon the requirement of the post)

OR

I.B. a) Bachelor's degree in mathematics (with statistics)/ Physics(with statistics)/Statistics/Commerce (with statistics)/Economics (with statistics) from a recognized university or equivalent.

21/05/26

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b) Seven (07) year's experience of operation on an electronic com including one year experience of actual programming on an electro computer.

OR

II) Any Group 'C' staff in the feeder grade irrespective of designation, fulfilling the eligibility condition prescribed in recruitment rules on the date of its notification, is eligible for promotion to Group "B"post in EDP provided they possess

a) Formal training in computer related operations and applications from a recognised institute and

b) Ten (10) years relevant experience should be related to computer operation and Application in general, and it should not be restricted to programming experience only.

3. Number of employee to be called for the selection will be in accordance of Para 203.4 of IREM Vol. I.

4. In terms of para 202.3 & 203.6 of IREM- Rules of post-based reservation in filling the vacancies in Group 'B' on the basis of selection is applicable.

5. **Method of Selection:** In terms of RBE No. 53/2019 dated 19/03/2019, the selection of candidates for empanelment shall be based on a written test which shall have 100% objective type Multiple Choice Questions to adjudge the professional ability; viva-voce and assessment of Service record by the selection committee. Factor to be taken into account in the proposed selection will be as under:

SN	Factor	Max. Marks	Qualifying Mark
A	Written Examination: Professional subject including official language policy (70%) and Establishment & Financial rules (30%)	100	60
B	Viva-Voce	25	30 (including at least 15 marks in Record of service.)
C	Record of Service	25	

Note: Questions on official language policy and rules to extent of the 10% of the total marks allotted for testing the professional ability will be included. Attempt should be made to answer these questions, but it is not compulsory.

6. Duration of written examination shall be 02 hours and there shall be negative marking for the incorrect answers. One third of the marks allotted for each question will be deducted for every wrong answer.

7. Syllabus: As per Railway Board's letter no. E(GP)2016/2/25 dated 27/02/2017 (RBE NO. 15/2017). (Annexure A)

21/05/26

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8. There will be no subsequent supplementary examination for this selection. The date, venue and time of the written examination will be intimated in due course.

9. The panel will be valid for a period of 02 (two) years from the date of its approval by the competent Authority.

10. The eligible employee who desires to appear in the above examination should submit their willingness through application in the prescribed format (Annexure B) through proper channel. It is the employee's responsibility to furnish willingness/unwillingness to take the selection and failure to respond or provide the information up to 31.05.26 will be treated as unwillingness on his part to take selection.

11. Controlling officers are requested to ensure that the notification is brought to the notice of all concerned including those on leave/sick, training and deputation. Particulars of employees who are undergoing penalty of reduction to lower grade or under suspension or any departmental proceedings have been initiated for major penalty, should be sent in a sealed cover addressed to Dy. CAO/G. The experience of the candidates as per eligibility criteria mentioned above, has to be certified by the controlling Officer duly substantiating with relevant records.

12. The candidates may be spared in time to appear at the written examination with letters from controlling officers sparing for selection.

13. The candidates appearing in the examination shall have to bring their own pen, pencil and other required articles. Answer books will be supplied by this office.

14. The candidates who qualify in the written examination need to undergo medical examination of prescribed standard as per Para 530 (b) of IR Medical manual before *viva voce* and the candidates who are medically fit will only be called for *viva voce*.

15. Schedule of written examination will be as under-

i) Last date for submission of willingness/unwillingness	-	**31.05.2026**
ii) Publishing of final list of candidates	-	07.06.2026
iii) Date of written examination	-	To be intimated later

16. This notification should be given wide publicity and got noted by each of the eligible staff. This notification is also available in BLW website under Accounts department. All the candidates are advised to visit the site for further updates, if any.

DA: As above

21/05/26

(Anuj Kumar)
Dy.FA&CAO/G

Copy to: Sr.EDPM/BLW/Varanasi – Pl. circulate & put up on notice board alongwith BLW website.

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Annexure A

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)
*****

RBE NO.: 15 /2017

No.E(GP) 2016/2/25 **New Delhi, dt: 27.02.2017**

The General Managers,
All Indian Railways and Production Units.

Sub: **Syllabus for professional paper for Selection from Group 'C' to Group 'B' posts in EDP Centres/IT Department of Railways/ Production Units**

Ref: **Railway Board's letter No. E(GP) 2003/2/41 dated 20.05.2004.**

A revised syllabus for professional paper for Selection for promotion from Group 'C' to Group 'B' posts in EDP Centres/IT Department of Railways/Production Units is enclosed for guidance. This may be given wide publicity and circulated amongst the eligible candidates.

2. The revised syllabus shall be effective from the date of issue of this letter. However, Selections which have been notified, need not be disturbed.

3. Please acknowledge receipt.

M. Saluja

(MEENAKSHI SALUJA)
DY.DIRECTOR, ESTT.(GP)III
RAILWAY BOARD

Encl: As above

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भारत सरकार (GOVERNMENT OF INDIA)
रेल मंत्रालय (MINISTRY OF RAILWAYS)
(रेलवे बोर्ड) (RAILWAYS BOARD)
****

आरबीई नं. 15 /2017

सं. ई(जीपी) 2016/2/25

नई दिल्ली, दिनांक 27.02.2017

महाप्रबंधक,
सभी भारतीय रेलें और उत्पादन इकाइयां.

विषय: रेलवे/उत्पादन इकाइयों के ईडीपी केन्द्रों/आईटी विभागों में ग्रुप 'सी' से ग्रुप 'बी' पदों में चयन हेतु व्यावसायिक पेपर के लिए पाठ्यक्रम

संदर्भ:- रेलवे बोर्ड का दिनांक 20.05.2004 का पत्र सं. ई(जीपी)2003/2/41.

रेलवे/उत्पादन इकाइयों के ईडीपी केन्द्रों/आईटी विभागों में ग्रुप 'सी' से ग्रुप 'बी' में पदोन्नति के लिए चयन हेतु व्यावसायिक पेपर के लिए संशोधित पाठ्यक्रम मार्गदर्शन के लिए संलग्न है। इसका व्यापक प्रचार किया जाए और इसे पात्र उम्मीदवारों में परिपत्रित किया जाए।

2. संशोधित पाठ्यक्रम इस पत्र के जारी होने की तारीख से प्रभावी होगा। बहरहाल, वे चयन जो पहले अधिसूचित किए जा चुके हैं, को रोकने की आवश्यकता नहीं है।

3. कृपया पावती दें।

संलग्नक: यथोक्त

मीनाक्षी

(मीनाक्षी सलूजा)
उप निदेशक, स्थापना (जीपी)।।।
रेलवे बोर्ड

B.L.W.

GP)2016/2/25 New Delhi, dt: 27.02.2017

...y for information and necessary action to

1) The Director General & ex-officio General Manager, R.D.S.O., Lucknow.

(2) The CAO, DMW, Patiala

(3) The CAO, MTP (Rlys.), Mumbai and Chennai

(4) The Chairman, Railway Recruitment Board:
Allahabad/Ahmedabad/Ajmer/Bangalore/Bhopal/Bhubaneshwar/Kolkata/
Chandigarh/Chennai/Gorakhpur/Guwahati/Jammu&Srinagar/Malda/Mumbai/
Muzaffarpur/Patna/Ranchi/Secunderabad/Trivendrum.

(5) The Director, NAIR, Vadodara.

(6) The Director, IRISET/Secunderabad, IRIMEE/Jamalpur, IRIEEN/Nasik,IRICEN/
Pune, CAMTECH/Gwalior.

(7) The Railway Liaison Officer, Jeevan Tara Building, Parliament Street, NewDelhi.

(8) The General Secretary, IRCA, New Delhi.

(9) The C.A.O, COFMOW, Rly. Offices Complex, Tilak Bridge, New Delhi-110002.

(10) The Secretary, Railway Rates Tribunal (Chennai), 50 M. C. Nicholas Road, Chetput, Chennai.

(11) The Exec.Director, CRIS, Safdarjung Rly.Stn.Building, Chanakyapuri, New Delhi.

(12) The Director (Movement), Railways, 17 N. S. Road, Kolkata.

(13) The Joint Director (Iron & Steel), 3 Koilaghat Street, Kolkata.

M. Saluja

(MEENAKSHI SALUJA)
DY.DIRECTOR E(GP)III
RAILWAY BOARD.

D.L.W.

No.E(GP)2016/2/25 **New Delhi, dt: 27.02.20**

Copy forwarded to:

1. The General Secretary, All Indian Railwaymen Federation, Room No. 253, Rail Bhavan, New Delhi (35 copies)
2. The General Secretary, National, Federation of Indian Railwaymen, Room No. 256-E, Rail Bhavan, New Delhi (35 copies)
3. All Members, Departmental Council and National Council and Secretary, Staff Side, National Council, 13-C, Ferozshah Road, New Delhi (90 spares)
4. The Secretary General, Federation of Railway Officers Association, Room No. 256-A, Rail Bhavan, New Delhi (5 spares)
5. The Secretary General, Indian Railway Promotee Officers Association, Room No. 268, Rail Bhavan, New Delhi (35 spares)
6. The General Secretary, All India RPF Association, Room No. 549, Rail Bhavan, New Delhi-110001.
7. Railway Board Secretariat Staff Association.

For Secretary/Railway Board

Copy to:

PSs to MR, MOS(S), MOS(G),

Sr.PPSs to CRB, FC, MS, MRS, MT, MTR, ME

PPSs to Secretary, DG/RHS, DG/RPF, DG(Personnel),DG(S&T), DG/RS

PPSs to all Addl. Members.

Dy. C&AG(Railways), Room No. 222, Rail Bhawan.

PSs to Adv.(Vig.), , EDE, EDA, EDE(N), EDE(Res), JS, JS(E), JS(G), ED(E&R), EDE(GC), EDV(E), ED(Signal), EDV(S), EDF(E), Adviser(T&MPP), EDE(RRB), EDPC-I, DV(P), DE(L), DE(Res), DE(G), D(IH), JD(MPP), JDE(R)I&II, JDE(Rep)I&II, JDE(D&A), JDE(P&A), DPCI&II, JDE(L), JDE(N), JDE(N)II, DDF(E)I, DDF(E)VI, DDV(A&P), E(NG)I, E(O)III, DDRS(G), DDE(LR)I, Sec(E), PC-III, IV & V, E&R, E(Trg.), E(MPP), V(SS), E(SCT)I &II

(42)

Syllabus for Selection from Group 'C' to Group 'B' posts in EDP Centres/IT Department of Railways/Production Units

Establishment Rules & Financial Rules	**50 Marks**
Professional Subject:	**100 Marks**

The Candidates are expected to supplement their experience by a few hours of study on each topic and in this regard certain websites for reference purpose have also been indicated.

Professional Subject:

1. Basics of computing and information Processing

1.1 Business Data Processing

1.1.1. Basic features of off-line systems, transaction processing systems, management information systems, decision support systems. Graphical user interfaces and presentation of information.

1.1.2. Full familiarity with word processor, spreadsheet package, presentation package, email Client and web-browser. Basics of data storage in a database management system.

1.2 Computer organisation and Data structures

1.2.1. Fundamentals of digital logic circuits, binary number system, registers and counters, microprocessor architecture, memory and input/output devices, basics of assembly language.

1.2.2. Data types, stacks, queues, linked lists and other basic data structures, searching and sorting algorithms, and basic idea of complexity.

1.2.3. Basic features of PCs and servers, printers, backup devices.

2. Operating system, DBMS and networking concepts (candidates are expected to specialize in any one area out of Operating Systems, DBMS, or Networking, with a basic idea of all three areas)

2.1. **Basics of operating systems** (proficiency in one Unix flavour or one Windows Server version is expected)

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2.1.1. The file system, process management, memory management, syste. administration concepts, networking tools in operating systems, OS leve backup and archival, retrieval and disaster management.

2.1.2. Unix flavours, the vi editor, shell programming, basics or grep and awk, user management, security features in Unix, Linux.

2.1.3. The Windows operating system, including basics of Windows server; file management, FAT, FAT32 and NTFS, user management, the active directory, the Windows registry.

2.2. Basics of DBMSs

2.2.1. The relational model, ER model, database normalization concepts.

2.2.2. Basics of SQL, simple queries, joins, nested queries, grouping, query parsing, indexing concepts.

2.2.3. Database administration, tuning concepts, locking and concurrency control, transaction roll-back and roll forward, database backup and archival.

2.2.4. Proficiency in any one DBMS out of Oracle, Sybase, SQL Server, covering the concepts given above.

2.3 Networking and data communication concepts

2.3.1. Basics of data communication, transmission media, network topologies, the OSI seven layer model, TCP/IP concepts.

2.3.2. LANs and LAN devices, concepts of IEEE 802.3, IEEE802.11b, LAN media, switching, basics of LAN design.

2.3.3. WANs and WAN devices, concepts of routing, switched and packet networks, signal multiplexing methods, network management.

2.3.4. Basics of network security, the Internet, Internet security, viruses, worms and malicious code, intrusion detection.

3. Software development

3.1. Basics of systems analysis and design

3.1.1. Modular application design; methods to elicit user requirements; DFDs, ERDs and process mapping methodologies; screen, report and menu design.

3.1.2. Basic idea of component based design, interface design, directory services, web services, object orientation.

3.2. **Application Development** (Proficiency is expected in any one GUI tool, 3GL, or COBOL, with a basic idea of all three)

3.2.1. Using GUI front-end tools, screen building, connecting to back-end databases, and report-writing (any one of VB, D2K/iDS, Power Builder, or other standard GUI tool).

3.2.2. Application development in a structured 3 GL (C, Java, C++, C#) programme constructs in 3 GLs, data types, memory management working with files, working with databases, using standard libraries; the JVM and CLR.

3.2.3. Application development in COBOL, COBOL data structures, file handling in COBOL, sorting and merging, managing databases using COBOL, reporting and screen development.

3.3. **Software engineering concepts**

3.3.1. Software development cycle, basics of software sizing and estimation, software project management, project risk management (basic idea), system audit and security, disaster management strategies.

3.3.1. Basics of software testing and quality assurance, test plans, block box and white box testing, module and integration testing, verification, validation and inspection.

3.3.2. Basics of software testing and quality assurance, test plans, black box and white box testing, module and integration testing, verification, validation and inspection.

3.3.3. Basics of information security, encryption, digital signatures, PKI.

4. **Other Topics in IT (for persons operating in specialized areas)**

4.1. Basics of CAD/CAM

4.1.1. Graphic devices, 2-D geometry and display algorithms, graphic operations, 3-D rendering, animation, graphic standards.

4.1.2. CAD basic, 2-D drafting, surfacing, 3-D solid modelling (proficiency in using a CAD package):

4.1.3. FEA, part programme generation (proficiency in using FEA and part program generation tools.

4.2. Basics of embedded software

4.2.1. Firmware devices, coding and burning, embedded OS, embedded application software, basics of PLCs, ladder logic, using PLC program development tools, data loggers etc.

5. EDP centres in Indian Railways

5.1. Data Centre basics

5.1.1. Data centre basic design features, secure areas and access control, workspace planning; air-conditioning and humidity control; rack-mounted servers and other devices, structured cabling, clean power supply and earthing, UPS basics.

5.1.2. Data centre operations manual, backup strategies, disaster management, basic housekeeping and filing of records.

5.2. IT applications in Indian Railways (as per areas of working of the candidate)

5.2.1. FMIS, Payroll, Workshop system, Inventory control system, Traffic accounts system: detailed knowledge of processes.

5.2.2. SDT applications: PRIME/AFRES, PMIS, MMIS, PAS, FAS, OSS: knowledge of processes.

5.2.3. PRS, UTS, NTES, FOIS: Basic working.

5.2.4. Locally developed applications: for example STORMS, PURSYS, PINS, EASY, PLANS, FACT in RCF; Stores, finance and workshop applications in RWF, DLW, ICF etc.

5.2.5. Other developments on Railways: MIS applications, IR websites, Internet ticketing, IVRS.

6. ICT Infrastructure

6.1 Server Consolidation and Virtualization.

(searchserverervirtualization.techtarget.com)

6.2 Virtualization Systems: VMWare, RHEV, Citrix, Open Stack etc.

(www.redhat.com)

6.3 Software Defined Data Centre and Networks

(https://en.wikipedia.org)

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6.4 Cloud Computing and its standards, certification
(www.cio.com)

6.5. Service Oriented Architecture
(http://www.service-architecture.com)

7. Mobility

7.1 Mobile Apps Technology Architecture and Programming
(http://www.smartbridge.com)

7.2 Mobile Data Management
(searchmobilecomputing.techtarget.com)

7.3 Mobile Devices Management
(https://www.mobileiron.com)

8. UIDAI

8.1 Knowledge of UIDAI Authentication framework
(https://authportal.uidai.gov.in)

8.2 API
(https://www.webopedia.com)

9. Data Analytics

9.1 Use of Desktop/Cloud based Data Analytical Tools
(https://www.computerworld.com)

10. Performance based logistics

10.1. Parameter definition and determination of SLA's
(https://help.sap.com)

10.2. Measurement using Application Performance Measurement tools
(www.gallop.net)

11. Knowledge of standards

11.1. ITIL V3
(www.itilcertification.org)

11.2. ISO 20000
(http://www.iso.org)

11.3. ISO 27000
(www.iso.org)

11.4. ISO 15288
(www.15288.com)

11.5. CMMI

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(https://en.wikipedia.org)

12. **Cyber Security Laws and Guidelines**

(http://www.cyberlawsindia.net)

12.1. IT Act

(http://www.itlaw.in)

12.2. MHA Guidelines

(http://mha.nic.in/policy-guidelines)

12.3. NCIIPC Guidelines

(http://cis-india.org)

12.4. CERT-IN Guidelines

(http://www.cert-in.org.in)

12.5. Digital India Policies

(http://meity.gov.in)

12.6. Social Media Guidelines

(http://meity.gov.in)

12.7. Password Policy

(https://mail.nic.in)

12.8. Guidelines for India Government Websites (GIGW)

(http://guidelines.gov.in)

13. **Use of Social Media**

13.1. Twitter

(https://twitter.com/twitter)

13.2. Facebook

(www.facebook.com/)

13.3. You Tube

(https://in.youtube.com/)

13.4. Google+ etc.

(http://www.zigzigger.blogspot.in)

14. **Website Development**

14.1. HTML5

(http://www.w3schools.com)

14.2. XML

(http://www.xmlfiles.com/xml/)

14.3. PHP

(www.php.net)

14.4. Open Source Web CMS Systems: Liferay, Drupal, Joomla, Wordpress.

(https://colorlib.com)

ESTABLISHMENT RULES

- General Conditions of service of Railway servants including rules regarding leave joining time passes
- Railway Service D&A Rules – 1968
- Railway Service Conduct Rules- 1966
- Retirement Benefits
- Payment of Wages ,Allowances and Overtime
- Labour laws including Payment of Wages Act, Workmen's Compensation Act, Hours of Employment Regulations, Factories Act, Industrial Disputes Act, Contract Labour Act,
- Manpower Planning & training
- Welfare measures in Railways
- PNM,JCM & PREM

FINANCIAL RULES

- Parliamentary Control over Railway Finance- Public accountability, Cannons of Financial Propriety
- Railway Budget- Budgetary terms, types of Budgets, Budget Cycle, Demand for grants, Expenditure Classification
- Works Programme- Financial Justification of Works- Preparation of Estimates, Capital budget, Control Over Capital Expenditure
- Financial and Cost Control in railway workshops , Sheds & Depot
- Delegation of powers
- M&P programme. RSP

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(38) ~~40~~

ANNEXURE – B

APPLICATION FOR THE POST OF AEDPM

1	Name & PF No.	:	
2	Designation/Office	:	
3	D.O.B	:	
4	D.O.A	:	
5	Present Pay and Level (on regular basis) (MACP up gradation should not be shown)	:	
6	Date of promotion to the Present grade (Regular basis)	:	
7	Eligible for applying under	:	I A / I B / II
	(Eligibility under II should be As on 7.7.92)		
8	Date of promotion to Grade Rs.1400/- or above in EDP Dept.	:	
	(should be on or before 7.7.92)		
	[for candidates eligible under II only]		
9	Qualification	:	
	(Refer I A-(a), I B-(a) & II-(a) of notification)		
	(Attested copy of certificate to be Enclosed)		
10	Experience	:	
	(Refer I A-b, I B-b & II b of notification)		
11	Language in which willing to Appear for examination	:	English/Hindi
12	Whether belong to SC/ST	:	
	(Attested copy to be enclosed)		

Date: **Signature**

Office: **Designation:**

1) Particulars furnished by the employee have been verified and found correct.

2) The employee has one year experience of actual programming on an electronic computer or in the operation of an electronic computer
(Refer I.A-ii of notification)

OR

The employee has 7 years experience of operation in an electronic computer including one year experience of actual programming on an electronic computer.
(Refer B-ii of notification)

OR

The employee has 10 years experience of operation in computer application
(Refer II. ii. of notification)

(Strike out whichever is not applicable)

Date

Controlling officer Signature &
Designation with office seal

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ESTABLISHMENT RULES

- General Conditions of service of Railway servants including rules regarding leave joining time passes
- Railway Service D&A Rules – 1968
- Railway Service Conduct Rules- 1966
- Retirement Benefits
- Payment of Wages ,Allowances and Overtime
- Labour laws including Payment of Wages Act, Workmen's Compensation Act, Hours of Employment Regulations, Factories Act, Industrial Disputes Act, Contract Labour Act,
- Manpower Planning & training
- Welfare measures in Railways
- PNM,JCM & PREM

FINANCIAL RULES

- Parliamentary Control over Railway Finance- Public accountability, Cannons of Financial Propriety
- Railway Budget- Budgetary terms, types of Budgets, Budget Cycle, Demand for grants, Expenditure Classification
- Works Programme- Financial Justification of Works- Preparation of Estimates, Capital budget, Control Over Capital Expenditure
- Financial and Cost Control in railway workshops , Sheds & Depot
- Delegation of powers
- M&P programme. RSP

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