



**JAMMU & KASHMIR PUBLIC SERVICE COMMISSION**  
**POLO GROUND, SRINAGAR, KASHMIR -190001**  
([www.jkpsc.nic.in](http://www.jkpsc.nic.in))

NOTIFICATION NO : 19 - PSC (DR-P) OF 2 0 1 3

D A T E D : 15.10.2013

Applications on prescribed form are invited from the permanent residents of Jammu & Kashmir State possessing the prescribed academic qualification and age for the posts of **Assistant Engineer (Mechanical)** in Public Works (R&B) Department as per the category-wise break-up tabulated below. The posts carry the pay scale of Rs. 9300 – 34800 Grade Pay=5200 plus Allowances as admissible under rules. The applications complete in all respects and accompanied with the documents detailed hereinafter should reach the office of the J&K Public Service Commission Polo Ground Srinagar/ Resham Garh Colony Bakshi Nagar Jammu by or on **15.11.2013**. In case it is declared a public holiday the last date for receipt of Application Forms shall be following working day.

**Note : A Screening Test for short-listing of candidates shall tentatively be held on 23.02.2014, if required, for which syllabus is enclosed as Annexure-'A'.**

**1. Discipline-wise/category-wise break-up of posts.**

Item No.	Name of the Discipline	OM	RBA	SC	ST	ALC	SLC	TOTAL
101	<b>Assistant Engineer (Mechanical)</b>	18	06	03	04	01	01	33

**Note-I : 3% Horizontal Reservation shall be provided to the Physically Handicapped Category candidates as provided under SRO 294 of 2005 dated: 21.10.2005 and as per Government Order No. 108-SW of 2013 dated 01.04.2013**

**2. Prescribed Qualification**

**Bachelor's Degree in Mechanical Engineering or AMIE Section (A & B) India (Mechanical Engineering).**

**3. Age as on 1<sup>st</sup> January 2013:**

Minimum	=	18 Years
Maximum	=	37 Years
Physically handicapped candidates	=	39 years
Candidates belonging to RBA/SC/ST/ALC/SLC categories	=	40 years
In Service Candidates	=	40 years
Ex-serviceman	=	48 years

**Note:** In terms of the Government Order No. 102-GAD of 2007 dated 27.01.2007, the Contractual appointees shall be deemed to be in-service candidates so far as the upper age limit for direct recruitment to Government Service is concerned provided they subsist in contractual appointment as on the date of issue of advertisement.

**Note:** Over-aged candidates having exceptional qualification relevant to the concerned subject may also apply at their own risk and responsibility without prejudice to the right of the Commission to reject their Application Form:

Provided that over-aged candidates, shall not be considered when other eligible candidates are otherwise available.

**4. Application Forms:**

- Application Forms can be obtained from the office of the J&K Public Service Commission, Polo Ground Srinagar/Resham Ghar Colony, Bakshi Nagar, Jammu on cash payment of ₹500/- (excluding processing charges of Rs.10/-) in respect of General Category candidates and ₹250/- (excluding processing charges of ₹10/-) in respect of Category candidates **through the counters of J&K Bank opened in the offices of J&K Public Service Commission at Polo Ground, Srinagar/Resham Ghar Colony, Bakshi Nagar, Jammu from 9:30 am to 3:00 pm on all working days.**
- The OMR Application Forms should be filled up neatly, correctly and completely. A copy of passport size photograph duly attested by the Gazetted Officer should be pasted at the relevant place/space in the Application Form.
- The Application Form complete in all respects should be photo-copied. The photocopies of the certificates/testimonials be attached with photocopy of the Application Form. The OMR Application Form together with the photocopy of the Application Form and enclosures be

submitted to the Commission office in the envelope provided by the Commission along with the Application Form.

**Please note that the application form on which correction fluid is applied shall be rejected outrightly.**

- (d) The Application Forms complete in all respects must reach the Secretary, J&K Public Service Commission, Polo Ground, Srinagar/Resham Ghar Colony, Bakshi Nagar, Jammu on or before the last date i.e **15.11.2013** in an envelope provided by the Commission along with the Application Form.
- (e) The Commission will, in no case, be responsible for non-receipt of their Application Forms or any delay in receipt thereof on any account whatsoever. No applications received after **15.11.2013** will be entertained under any circumstances and all the late applications shall be deemed to have been rejected. Applicants should, therefore, ensure that their applications reach the Commission office on or before **15.11.2013**.
- (f) The in-service candidates shall have the certificate from the Head of the Office recorded in the format given at the end of the Scanable Application Form and submit the application form in the Commission office by or on the last date prescribed viz. **15.11.2013**. A photocopy of the said application form shall be routed through their appointing authority.

#### **5. CERTIFICATES TO BE ATTACHED WITH THE PHOTOCOPY OF THE APPLICATION FORM**

Attested photo copies of the following certificates need be attached with the photo copy of the Application Form:-

- i. Date of Birth Certificate.
- ii. Permanent Resident Certificate.
- iii. Educational Qualification Certificates Prescribed for the Post.
- iv. Certificate of Higher Qualification, if any.
- v. Marks certificate of all semesters of prescribed qualification.
- vi. Category certificate as per SRO 294 dated 21.10.2005 as amended from time to time read with other relevant SRO's which must be valid on the cut off date ( viz. last date for receipt of application forms).
- vii. Disability Certificate on the prescribed format.

#### **6. CERTIFICATES/TESTIMONIALS TO CLAIM WEIGHTAGE:-**

The candidates in possession of the following certificates/testimonials should attach the photocopies of the same along with the Application Form for claiming the benefit of weightage authorized under Rule 51 of J&K PSC (Business & Procedure) Rules, 1980.

- a. Grade 'C' Certificate in NCC.
- b. Certificate of an Outstanding Sports Person certified by the Secretary, J&K Sports Council in terms of J&K (Appointment of Outstanding Sports Persons) Rules, 1998.
- c. **Experience against the post in a Govt./Govt. recognized institution including the institutions authorized by MCI/DCI/ICAR/ICVR/AICTE/Bar Council of India(Certified by the Head of Institution and in case of private institutions to be countersigned by the District/Divisional/State authority of the concerned Government Department and/or Director College Development Council/authorized officer of the university granting affiliation, as the case may be). The weightage shall be calculated at 0.25 points for every completed three months.**

The last date for receipt of applications as indicated above i.e **15.11.2013** shall, for all purposes be the cut off date for determining the eligibility. Experience/improvement in the qualification/marks/additional qualification/distinction in sports/Games/NCC, if any, acquired by the candidate after the last date fixed for receipt of applications, shall not be taken into account nor given any credit.

#### **7. OTHER INFORMATION/INSTRUCTIONS**

All applicants must fulfill the essential requirements of the post and other conditions stipulated in the advertisement. They are advised to satisfy themselves before applying that they possess the essential qualifications prescribed for the post. No enquiry for advice as to the eligibility will be entertained.

- i. The prescribed qualifications are minimum and mere possession of the same does not entitle the candidates to be called for interview. Further, the summoning of candidates for interview shall convey no assurance, whatsoever, that they will be selected. Appointment order of the selected candidates will be issued by the Government in accordance with the availability of vacancies.

- ii. Save as otherwise provided, in any other Act, Rules, or Regulations in force, where the Commission considers that the number of candidates who have applied for the post to be filled by direct recruitment, on the basis of interview, is large and it is not convenient, or possible, for the Commission to interview all the candidates, the Commission may restrict the number of candidates to be called for interview, to a reasonable limit as provided in rule 40 of J&K Public Service Commission (Business & Procedure Rules) 1980 by short listing in the manner as indicated below:

**a) Short listing through a written Screening Test**

Where the number of applicants exceeds 350 against posts not exceeding 100 and where the number of applicants is more than 3 times against vacancies exceeding 100, the short listing in the proportion of 1 (post) : 3 (applicants) shall be done through a Written Screening Test.

**b) Short listing by other methods**

When the number of applicants for posts upto 100 is 350 or less, the short listing shall be done in the proportion indicated in the sub joined table on the basis of:

- (i) Percentage of marks secured in the qualifying examination; and
- (ii) Higher qualification, if any, in the relevant subject.

i	For 1-5 post	Five times the number of posts
ii	For 6-10 posts	Four times the number of posts subject to a minimum of 25.
iii	For 11 -100 posts	Three times subject to a minimum of 40.

Provided that the candidate (s) who have secured marks equal to those secured by the last candidate, shall also be called for the Interview over and above the number of candidates short listed according to ii(a) and ii(b) above.

In a situation, when a reserved category candidate secures, merit equal to or above the cut off merit, in open category, such candidates shall also be called for interview in the respective category.

In the shortlisting carried out in the manner indicated at 'b' above the weightage for merit in the qualifying examination shall be 90% and for higher qualification in the relevant subject up to 10%

- (iii) The marks secured by the candidates in the screening test shall not be taken into account for determining the final order of merit.
- (iv) The place of interview/centre for screening test once chosen by the candidate shall not be changed.
- (v) Selection of the candidates shortlisted for the interview shall be made in accordance with rule 51 of J&K Public Service Commission.
- (vi) The summoning of candidates for interview conveys no assurance, whatsoever that they will be selected. Appointment orders to selected candidates will be issued by the Government.
- (vii) The candidate must be healthy and physically fit. If selected he/she shall be prepared to undergo such medical examination and satisfy such medical authority as the Government may require.
- (viii) Candidates will be informed of the result of their applications in due course of time and any interim enquiries about the result are, therefore, unnecessary and will not be attended to. The Commission shall not enter into any correspondence with the candidates about reasons for their non-selection for interview/appointment.
- (ix) Canvassing, in any form, shall disqualify a candidate.

**8. ACTION AGAINST CANDIDATES FOUND GUILTY OF MISCONDUCT**

Candidates are warned that they should not furnish any particulars that are false or suppress any material information while filling up the Application Form. Candidates are also warned that they should, in no case, alter or otherwise tamper with any entry in a document or its attested/certified copy submitted by them, nor should they submit a tampered/fabricated document. If there is any inaccuracy or any discrepancy between two or more such documents or their attested/certified copies, an explanation regarding this discrepancy should be furnished.

A candidate who is or has been declared by the Commission, to be guilty of:

- i. obtaining support of his/her candidature by any means, or
- ii. impersonating, or
- iii. procuring impersonation by any person, or

- iv. submitting fabricated documents or documents which have been tampered with, or
- v. making statements which are incorrect or false or suppressing material information, or
- vi. Resorting to any other irregular or improper means in connection with his/her candidature for the selection, or
- vii. using unfair means during the test, or
- viii. writing irrelevant matter including obscene language or pornographic matter, in the script(s), or
- ix. misbehaving in any manner in the examination hall, or
- X. harassing or doing bodily harm to the staff employed by the Commission for the conduct of their test, or
- xi. attempting to commit or, as the case may be, abetting the commission of all or any of the acts specified in the foregoing clauses may, in addition to rendering himself/herself liable to criminal prosecution, be liable:
  - a. to be disqualified by the Commission from selection for which he/she is a candidate, and/or
  - b. to be debarred either permanently or for a specified period: -
    - i. By the Commission from any examination or selection held by them.
    - ii. By the State Government from any employment under them, and
  - c. if he/she is already in the service under Government, disciplinary action under the rules.

**IMPORTANT**

1. Candidate must read the detailed instructions before filling up of the form. He/She must fill the form strictly according to the instructions.
2. Candidates must ensure that no column is left blank or wrongly filled, as information furnished therein would be used for deciding the eligibility and suitability of the candidate for being called for the interview. Application not filled correctly and as per the instructions is liable to be rejected and the responsibility of such rejection would be on the candidate himself/herself. The Commission will not entertain any claim in respect of such rejection.
3. Copies of the certificates should be attached in support of the information given in the form, where necessary. Any information contained in the attached certificates shall not be considered unless it is claimed in the Application Form.
4. Fee amount is payable in the shape of Bank Draft drawn from J&K Bank Limited only or by cash at J&K Bank counters opened in P.S.C Offices both at Jammu/Srinagar. No other mode of payment is acceptable.
5. Applications should be sent/delivered to the Secretary J&K Public Service Commission Reshamghar Colony, Bakshi Nagar, Jammu /Polo Ground Srinagar.
6. For any query visit the Commission's Website ([www.jkpsc.nic.in](http://www.jkpsc.nic.in)) or Commission's facilitation centre at Jammu/Srinagar or dial Number 0191- 2566710 (Jmu) and 0194 - 2455089 (Sgr).
7. Moreover, in case of clarification, the candidates should mention the Notification No., Item No. and Bar Code No. of the Application Form along with specific information to be sought.

**Sd/-  
(Dr. T.S. Ashok Kumar), IFS  
Secretary  
J&K Public Service Commission.**

No: PSC/DR/R&B/Mech. Engg/2013

Dated:-15.10.2013.

Copy to the:

1. Commissioner/Secretary to Government, R&B Department. This is with reference to letter No. PW/(R&B)HRM/36/2013 dated 04.09.2013.
1. Director Information for favour of getting the notice published in atleast two local leading English dailies of Srinagar/Jammu.
2. General Manager, Govt. Press, Srinagar for publication in extra ordinary issue of the Gazette.
3. Additional Secretary, J&K Public Service Commission.
4. Deputy Secretary/Under Secretary, J&K Public Service Commission.
5. Prl.Pvt. Secretary to Hon'ble Chairman, J&K Public Service Commission for information of the Hon'ble Chairman.
6. Private Secretary to Shri \_\_\_\_\_, Member, J&K Public Service Commission for information of the Member.
7. PA to Secretary, J&K Public Service Commission for information of the Secretary.
8. In-Charge Camp Office, Jammu.
9. I/C Website for uploading the notice on website. One hard & one soft copy.
10. Notice Board, J&K PSC Srinagar/Jammu.
11. Main file/Programme file.

**SYLLABUS FOR THE SCREENING TEST OF AE (MECHANICAL)**

**Statics:** Simple applications of equilibrium equations.

**Dynamics:** Simple applications of equations of motion, simple harmonic motion, work energy, power.

**Theory of Machines:** Simple examples of links and mechanics. Classification of gears, standard gear tooth profiles, Classification of bearing. Function of fly wheel. Types of governors. Statics and dynamic balancing. Simple examples of vibration of bars. Whirling of shafts.

**Mechanics of solids:** Stress, strain, Hook's Law, elastic moduli, Bending moments and shearing force diagrams for beams. Simple bending and torsion of beams springs, thin walled cylinders Mechanical properties and material testing.

**Manufacturing Science:** Mechanics of metal cutting, tool life, economics of machining, cutting tool materials. Basic machining processes, types of machine tools, transfer lines, shearing drawing, spinning, rolling, forging, extrusion. Different types of casting and welding methods.

**Production Management:** Method and time study, motion economy and work space design, operation and flow process charts. Product design and cost selection of manufacturing process. Break even analysis, Site selection, plant layout, Materials handling, selection of equipment for job, shop and mass production, Scheduling, dispatching routing.

**Thermodynamics:** Heat, work and temperature, First and second laws of thermodynamics, Carnot, Rankine, Otto and Diesel Cycles.

**Fluid Mechanics:** Hydrostatics Continuity equation, Bernoulli's theorem. Flow through pipes. Discharge measurement. Laminar and Turbulent flow, concept of boundary layer.

**Heat Transfer:** Heat transfer by conduction, Convection and Radiation. One dimensional steady state conduction through walls and cylinders. Fins, Concept of thermal boundary layer. Heat transfer, coefficient, Combined heat transfer, coefficient, Heat exchangers.

**Energy Conversion:** Compression and spark ignition engines, Compressors, fans and blowers. Hydraulic pumps and turbines Thermal turbo machines.

Boiler Flow of stream through nozzles layout of power plants.

Environmental Control Refrigeration cycles, refrigeration equipment- its operation and maintenance, important refrigerants, Psychometrics comfort, cooling and dehumidification.

**Sd/-  
Secretary  
J&K Public Service Commission.**