



**CSIR–Central Mechanical Engineering Research Institute
(Council of Scientific & Industrial Research)**

M.G. Avenue, Durgapur- 713 209

Phone No. 0343-6452182, website : www.cmeri.res.in

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CSIR–Central Mechanical Engineering Research Institute (CSIR-CMERI), established in 1958, is the apex R&D institute for mechanical engineering under the aegis of Council of Scientific and Industrial Research (CSIR) which is an Autonomous Body under the Government of India. The Institute is engaged in Research and Technology Development for more than fifty years with the mandate of serving the nation to acquire self-reliance. CSIR-CMERI has always responded to the demand of the nation in most agile manner by transitioning itself to a position of strength through induction of contemporary technologies and a turnaround in its overall strategies. The Institute is equipped with the latest facilities like computer controlled machines at manufacturing units and computer assisted tools for simulation and design, supported by well equipped laboratories. The main strength of the Institute is its excellent scientific community consisting of Scientists, Technologists, Research Fellows and Project Staff supported by Administrative and other staff, working in a harmonious manner encouraging innovations and inventions for the development of new products and processes. The deserving scientists are encouraged to pursue advanced study / training / research work in India and abroad. The Institute has started a two-year Post Graduate Research Programme in Engineering (Integrated M.Tech-Ph.D) under the auspices of AcSIR. The Institute is also conducting two-year M.Tech (Mechatronics) programme in collaboration with Bengal Engineering and Science University, Shibpur, CSIR-CEERI, Pilani and CSIR-CSIO, Chandigarh.

The present priority areas of research of the Institute are: **Robotics and Mechatronics, Microsystem Technology, Rapid Prototyping and Modeling, Clean Energy, Farm Machineries, Residual Life Enhancement, Condition Monitoring, Advanced Mechanical Design, Manufacturing, Thermal Engineering, Simulation & Modeling, Drives and Control, Surface Engineering & Tribology, Foundry, Chemistry & Biomimetics and Cybernetics.** A number of challenging projects in these areas have been planned to be undertaken during the 12th Five Year Plan of the country.

CSIR-CMERI is looking for dynamic and creative people to do research in the above broad areas of activities under different categories. Candidates fulfilling the educational qualification, age etc. may apply in the prescribed proforma to the Administrative Officer.

Category : I :: Sr. Scientist / Sr. Principal Scientist

Designation	No. of Posts	Pay Band	Grade Pay	*Total Emoluments	**Upper Age Limit not exceeding (as on 06.05.2013)
Senior Scientist	09 [UR-06,OBC-02(1Backlog), SC-01, PWD(VH)-1]	Rs.15600-39100 (PB-3)	Rs.7600/-	61322/-	37 years
Senior Principal Scientist	03 [UR]	Rs.37400-67000 (PB-4)	Rs.8900/-	100134/-	50 years

* Total Emolument means approximate total emolument on minimum of scale including House Rent Allowance at Durgapur City.

**Please see age relaxation under Relaxation column.

Sl. No.	Post Code	Post	Essential Qualification & Experience	Desirable Qualification / Experience	No. of posts	Upper Age Limit
1	130201	Sr. Scientist (PB-3) Rs.15,600-39,100 with Grade Pay of Rs.7,600/-	Ph.D in Electrical / Electronics / Instrumentation Engg. OR ME/MTech in Electrical/Electronics /Instrumentation Engg. with three years of relevant research experience.	Expertise in Electrical or Electronic Control Theory / Power Electronics.	03 [OBC-1, PWD(VH*)-1]	37 Years
2	130202		Ph.D in Electrical / Electronics Engg.	Expertise in Advanced Communications Systems.	01[SC]	
3	130203		Ph.D in Electrical / Electronics Engg.	Expertise in Instrumentation.	01 [OBC (Backlog)]	
4	130204		Ph.D in Mechanical / Aerospace Engg.	Expertise in Experimental Fluid Mechanics, Gas dynamics, Experimental High Speed Flows and Heat Transfer.	01[UR]	
5	130205		Ph.D in Chemistry with two years of relevant experience in Material Chemistry.	Expertise in Production of graphene and related composites.	01[UR]	
6	130206		Ph.D in Chemical Engg./ Material Sc. & Engg.	Expertise in Science of Nano particles connected to different applications in Mechanical and Biological Systems / Membrane Separation.	01[UR]	
7	130207		Ph.D in Computer Science / Computer Science and Engg.	Expertise in Image Processing / Computer Vision/ Computer Network.	01[UR]	
8	130208	Sr. Principal Scientist (PB-4) Rs.37,400-67,000 with Grade Pay of Rs.8,900/-	Ph.D in Electrical Engg. with six years of relevant experience.	Expertise in Power Electronics and Motor Control.	01[UR]	50 Years
9	130209		Ph.D in Physics or Material Science with six years of relevant experience in advanced materials.	Expertise in Molecular Beam Epitaxy and SEM/TEM.	01[UR]	
10	130210		Ph.D in Mechanical / Aerospace Engg. with six years of relevant experience.	Expertise in Simulation and Modeling pertaining to Fluid Mechanics, Heat Transfer, Material Processing.	01[UR]	

Abbreviations:

[UR: Unreserved; SC: Scheduled Caste; ST: Scheduled Tribe; OBC: Other Backward Class; PWD: Persons With Disabilities.]

* PWD(OH) candidates may also apply for the post kept reserved for PWD(VH). However, they will be considered only if PWD (VH) candidates are not found suitable.

Category : II :: Sr. Technical Officer (1)

Pay Band PB-3 Rs.15,600-39,100 with Grade Pay of Rs.5400/- (Gross Emoluments at the minimum of the pay stationed at Durgapur including HRA will be Rs. 43,222/- p.m. approximately.)

(Age limit : 35 years)

POST CODE : 130211 – (1 Post) [UR]

Essential qualification: BE/BTech in Computer Science / Information Technology or equivalent with 55% marks with two years of relevant experience as given below.

Desirable qualification: 1st Class (70% or more marks) BE/BTech in Computer Science / Information Technology or equivalent with three years of relevant experience as given below.

Area of Expertise / Job requirement : Experience in campus Network Management & maintenance with more than 500 nodes. Proven capability of installation, management and daily administration of Linux/windows based web server, mail server and database server. Proven Skill in designing & development, maintaining Web Portal and Web based activities using various web design tools & multiple vendor management. Knowledge and experience in programming using Perl, PHP, MySQL, SQL, JAVA & Core Java, AJAX, JavaScript, C++ & dot net framework.

Category : III :: Technical Officer

Pay Band PB-2 Rs.9,300-34,800 with Grade Pay of Rs.4,600/- (Gross Emoluments at the minimum of the pay stationed at Durgapur including HRA will be Rs. 34,285/- p.m. approximately.)

(Age limit : 30 years)

POST CODE : 130212 – (1 Post) [UR]

Essential qualification: BE/BTech in Computer Science / Information Technology or equivalent with 55% marks
OR MCA with 55% marks after 1st Class B.Sc.

Desirable qualification: 1st Class BE/BTech in Computer Science / Information Technology **OR** MCA with 70% marks after 1st Class B.Sc or equivalent with one year of relevant experience as given below.

Area of Expertise / Job requirement : Experience in campus Network Management & maintenance with more than 500 nodes. Proven capability of installation, management and daily administration of Linux/windows based web server, mail server and database server. Proven Skill in designing & development, maintaining Web Portal and Web based activities using various web design tools & multiple vendor management. Knowledge and experience in programming using Perl, PHP, MySQL, SQL, JAVA & Core Java, AJAX, JavaScript, C++ & dot net framework.

General information and conditions:

1. Benefits under Council service:

- a. These posts carry usual allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance (TA) etc. as admissible to the central government employees and as made applicable to CSIR. Council employees are also eligible for accommodation of their entitled type as per CSIR allotment rules depending on availability in which case HRA will not be admissible.
- b. Scientists in Pay Band-3 are also eligible for 2 additional increments (without DA) and Professional update allowance of Rs. 10000/- per annum.
- c. Scientists in Pay Band-4 and above are also eligible for 2 additional increments (without DA) and Professional update allowance of Rs. 20000/- per annum.
- d. In addition to the emoluments indicated against each category of posts, benefits such as reimbursements of Medical Expenses, Leave Travel Concession, Conveyance advance and House Building Advance are available as per rules of CSIR.
- e. All new entrants will be governed by the "New Pension Scheme" on defined Contributions for new entrants recruited in Central Government Services on or after 01-01-2004, as adopted by CSIR for its employees. However, persons selected from other Government Departments / Autonomous Bodies / Public Sector Undertakings / Central Universities having Pension Scheme on GOI pattern will continue to be governed by the existing Pension Scheme i.e. CCS (Pension) Rules, 1972.
- f. Scientists in CSIR are also permitted to undertake consultancy and sponsored R&D project activity. These activities give them scope to earn consultancy fee and honorarium as per guidelines governing these activities. Opportunities also arise for foreign deputations for training / presentation of papers/specific assignments etc..
- g. CSIR provides excellent opportunities to deserving candidates for career advancement under Assessment Promotion scheme for Scientists.
- h. Candidates on appointment will have the opportunity to pursue Ph.D work with an external registration.

2. General conditions / information:

- a. The applicant must be a citizen of India.

- b. 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 at least the essential qualifications laid down for various posts. No enquiry asking for advice as to eligibility will be entertained. The prescribed essential qualifications are the minimum and the mere possession of the same does not entitle candidates to be called for interview.
- c. IN THE EVENT OF NUMBER OF APPLICATIONS BEING LARGE, CSIR-CMERI WILL ADOPT SHORT LISTING CRITERIA TO RESTRICT THE NUMBER OF CANDIDATES TO BE CALLED FOR INTERVIEW TO A REASONABLE NUMBER BY ANY OR MORE OF THE FOLLOWING METHODS:
- I. On the basis of higher educational qualifications than the minimum prescribed in the advertisement.
 - II. On the basis of higher experience in the relevant field than the minimum prescribed in the advertisement.
 - III. By holding a written Test.
 - IV. Any other methodology as deemed fit by Screening Committee.
- d. The application should be accompanied by self attested copies of certificates of the relevant educational qualification, experience. The prescribed qualifications should have been obtained through recognized Universities/Institutions etc.. Incomplete applications/applications received not accompanied with the required certificates / documents are liable to be rejected.
- e. In respect of equivalent clause in Essential Qualifications, if a candidate is claiming a particular qualification as equivalent qualification as per the requirement of advertisement, then the candidate is required to produce order/letter in this regard, indicating the Authority (with number and date) under which it has been so treated otherwise the Application is liable to be rejected.
- f. The period of experience rendered by a candidate on part time basis, daily wages, visiting / guest faculty will not be counted while calculating the valid experience for short listing the candidates for interview.
- g. If any document/certificate furnished is in a language other than Hindi or English, a transcript of the same duly attested by a Gazetted Officer or Notary is to be submitted.
- h. The date for determining the upper age limit, qualifications and/or experience shall be the closing date prescribed for receipt of applications.
- i. The period of experience in a discipline / area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualifications prescribed for that Grade.
- j. Candidate must ensure that he/she possesses educational qualification/experience in the relevant area as required in the category/post, for which he/she is applying, on the last date of receipt of application.
- k. Applications from candidates working in Government Departments, Autonomous Bodies, Public Sector Undertakings and Government Funded Research Agencies will be considered when forwarded through proper channel within the prescribed time-limit along with requisite NOC.
- l. Persons with disabilities (PWD) fulfilling the eligibility conditions prescribed under GOI instructions are encouraged to apply.

- m. The posts carry usual allowances as admissible to Central Government employees as have been made applicable to CSIR employees.
- n. Deserving candidates may be considered for higher start of pay.
- o. The post will be governed by the New Pension Scheme applicable w.e.f. 01.01.2004 as notified by the Government of India and adopted by CSIR vide their letter No.17/68/2001-E.II dated 23.12.2003 and other instructions issued on the subject.
- p. Only outstation candidates called and found eligible for interview will be paid to and from single second class rail fare from the actual place of undertaking the journey or from the normal place of their residence whichever is nearer to Durgapur Railway Station on production of Rail Tickets/Rail Ticket Numbers or any other proof of journey.
- q. Any discrepancy found between the information given in application and as evident in original documents will make the candidate ineligible for appearing in interview. Such candidate will not be paid any fare.
- r. The number of vacancies indicated against each category is provisional and may vary at the time of selection.
- s. The decision of the CSIR-CMERI/CSIR in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, conduct of examination/interview will be final and binding on the candidates.
- t. Canvassing in any form and/or bringing any influence political or otherwise will be treated as a disqualification for the post.
- u. NO INTERIM ENQUIRY OR CORRESPONDENCE WILL BE ENTERTAINED.

3. Relaxations:

- a. **The date for determining the age limit/experience/qualifications shall be the closing date prescribed for receipt of applications i.e. 06.05.2013.**
- b. The upper age limit is however, relaxable upto 5 years for SC/ST and 03 years for OBC as per Government orders in force only in those cases where the post are reserved for respective categories, on production of relevant certificate in the prescribed format signed by the specified authority at the time of interview.
- c. Upper age limit is relaxable upto five years for the regular employees working in CSIR laboratories / institutes, Government Departments, autonomous bodies and public sector undertakings.
- d. As per GOI provisions, age relaxation for Widows, Divorced Women and Women Judicially separated from Husbands: The upper age limit is relaxable up to the age of 35 years (upto 40 years for members of Scheduled Castes/Scheduled Tribes and upto 38 years for members belonging to the Other Backward Classes in respect of the posts reserved for them) for Widows, divorced Women and Women Judicially separated from their Husbands who are not remarried. The persons claiming age relaxation under this sub-para would be required to produce following documentary evidence:
 - I. In case of Widow, Death Certificate of her husband together with the Affidavit that she has not remarried since.
 - II. In case of divorced Women and Women judicially separated from their husbands, a certified copy of the judgment/decreed of the appropriate Court to prove the fact of divorce or the judicial separation, as the case may be, with an Affidavit in respect of divorced Women and they have not remarried since.

- e. Age relaxation to person with Disabilities (PWD) : Age relaxation of 5 years is allowed (total 10 years for SCs/STs and 8 years for OBCs in respect of the posts reserved for them) to blind, deaf-mute and orthopedically handicapped persons for appointment to Group 'A' and Group 'B' posts/services. The persons claiming age relaxation under this sub-para would be required to produce a certificate in prescribed proforma in support of their claims clearly indicating that the degree of physical disability is 40% or more. In any case, the appointment of these candidates will be subject to their being found medically fit in accordance with the standards of medical fitness as prescribed by the Government for each individual Group 'A' and Group 'B' posts to be filled by Direct Recruitment by Selection.
- f. SC/ST/OBC/PWD candidates are required to produce a copy of the certificate in the prescribed format signed by the specified authority at the time of interview. The OBC candidate should produce the certificate valid for appointment of posts under the Central Government.
- g. Relaxation in age, over and above the stipulated limit, educational qualification and / or experience may be considered in case of exceptionally meritorious candidates and if sufficient number of candidates possessing the requisite qualification and/or experience are not likely to be available to fill up the posts.
- h. Relaxation in the upper age limit of 5 years applicable for persons who had ordinarily been domiciled in the Kashmir Division of the State of J&K during the period 01-01-1980 to 31-12-1989 subject to production of a certificate from the District Magistrate in the Kashmir Division within whose jurisdiction he/she had ordinarily resided or from any other authority designated in this behalf by the Government of J&K to the effect that he/she had ordinarily been domiciled in the Kashmir Division of the State of J&K during the period from 01-01-1980 to 31-12-1989.

4. **Mode of selection:**

Mere fulfilment of educational qualifications and experience does not entitle a candidate to be called for interview. The duly constituted Screening Committee will adopt its own criteria for short-listing the candidates. The candidate should, therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualification, supported with documents. Completion of Ph.D. degree will be reckoned from the date of issue of provisional certificate/notification.

- a. In case a candidate is staying abroad, his/her candidature may be considered in absentia by the Selection Committee on his/her written request.
- b. The Selection Committee may choose to place the candidate in any of the Grade Pay within the Pay Band depending upon the performance of the candidate and subject to meeting the minimum eligibility criterion specified.

5. **How to apply:**

- a. Eligible candidates are required to apply in the prescribed proforma to the Administrative Officer.
- b. A non-refundable application fee of Rs.100/- (Rupees One Hundred only) is payable separately for each post in the form of Demand Draft valid for a period of at least 3 months. Demand Draft should be in favour of CENTRAL MECHANICAL ENGINEERING RESEARCH INSTITUTE and payable at SBI, Durgapur (Code No. 00074). The following details must be filled up on back side of Demand Draft (i) Candidate's Name, (ii) Candidate's Category, (iii) Post Code applied for and (iv) Date of Birth. SC/ST/PWD/Women/CSIR Employees / Candidates otherwise eligible but residing abroad are exempted from submission of application fee.

- c. In case of universities/institute awarding CGPA/SGPA/OGPA grades etc., candidates are requested to convert the same into percentage based on the formula as per their university/institute.
- d. The application, duly accompanied by attested copies of the certificates, mark sheets, testimonials in support of age, education qualifications, experience, re-prints of publications and caste certificate, if applicable, along with one recent passport size self-signed photograph affixed, together with Demand Draft (if applicable) should be sent in an envelope superscribed "APPLICATION FOR THE POST OF _____ (Post Code _____)" by post so as to reach the above address by 06.05.2013.

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- e. Candidates applying for more than one post must submit separate Application for each post indicating the Code No. of the post. The each application must be accompanied by separate Demand Draft(s).
- f. Application once made will not be allowed to be withdrawn and fees once paid will neither be refunded on any count nor can it be held in reserve for any other recruitment or selection process.
- g. Applications from employees of Government Departments will be considered only if forwarded through proper channel, certified by the employer that the applicant, if selected, will be relieved within one month of the receipt of the appointment orders. Vigilance Clearance should also be recorded. However, advance copy of the application may be submitted before the closing date. Applications routed through proper channel should reach CSIR–Central Mechanical Engineering Research Institute, Durgapur at the earliest.
- h. Candidates should specifically note that the applications received after the closing date for any reason whatsoever (such as envelopes wrongly addressed, delivered elsewhere, postal delay etc.) will not be entertained by the Institute.
- i. Application not accompanied by – (i) prescribed application fee; (ii) requisite information asked for in the Application Form; (iii) Photo copies of Marks Card / Certificates of all the semesters/years from Matriculation level onwards; (iv) Proof regarding date of birth & age; (v) SC/ST/OBC/PWD certificates in the case of reserved posts; and applications received after the closing date will not be considered. Incomplete applications will be outrightly rejected.

6. Following documents must be attached along with application form:

- a. Demand Draft of Rs. 100/- as application fee, where applicable.
- b. Coloured photograph pasted on the form and signed across in full.
- c. Self Attested photocopy of certificate proving Date of Birth.
- d. Self Attested photocopies of educational qualifications (Certificates & Marks Sheets).
- e. Self Attested photocopy of caste certificate, if applicable.
- f. Self Attested photocopies of experience certificates, wherever required.

ADMINISTRATIVE OFFICER