



CSIR-STRUCTURAL ENGINEERING RESEARCH CENTRE
(Council of Scientific and Industrial Research)
CSIR Road, Taramani, Chennai 600 113

ADVERTISEMENT NO.SE-1/2014

Last Date for Receipt of the application 06-06-2014

A Unique opportunity for research careers in Science, Engineering & Technology

The Council of Scientific and Industrial Research (CSIR) is an autonomous organization under the Ministry of Science & Technology, Government of India. It is amongst the foremost scientific and industrial research set-ups in the world. Having state-of-the-art infrastructure and scientific and technical manpower second to none, CSIR covers practically the entire spectrum of scientific and industrial R&D of national and international importance. This ranges from aerospace to ocean exploration, micro-electronics to structural and environmental engineering, smart materials to mechatronics, petrochemicals to synthetic biology and from robotics and micro-machines to drugs & pharmaceuticals and agrochemicals.

CSIR-Structural Engineering Research Centre (CSIR-SERC), Chennai, is a premier National Laboratory under the Council of Scientific and Industrial Research. The major areas of R & D thrust of the Centre include Structural Concrete Engineering & Technology, Sustainable Materials and Composites, Retrofitting/rehabilitation of Structures, Computational Structural Mechanics for Analysis and Design & Software Development, Transmission Line Towers, Metal Structure Behaviour & Fatigue and Fracture, Structural Health Monitoring and Evaluation & Forensic Analysis and Wind Engineering and Earthquake Engineering. The Centre has built up excellent facilities for testing of structures and structural models, and also for mathematical modeling and simulation.

The Centre invites applications from highly qualified and motivated candidates for taking up R&D activities and also for providing engineering services to solve the problems of the industry and the society besides participating in the development of laboratory facilities. In order to meet the demand in the above areas and to augment and diversify, applications are invited online from enthusiastic young Indian researchers having excellent outstanding academic record and proven scientific and technology achievements with relevant experience and high degree of motivation to fill up the vacancies as detailed below:

Post Code	Pay Band	Designation/ No. of posts/ Reservation & Grade Pay (GP)/ Age limit not exceeding	Educational Qualifications	Desirable	Job Specification
SCT-2	₹ 15600- ₹ 39100 (PB-3)	Scientist 1 Post OBC GP ₹ 6600/- 35 years	Ph.D (Science) in the discipline of Chemistry submitted.	Experience in characterization of engineering materials, chemical analysis of cementitious materials Chemistry of cement, and operation of related sophisticated instruments such as XRD, XRF, SEM, etc.	The candidates selected would be required to work in any of the following R&D areas that would call for any or combination of analytical, computational, field, laboratory investigations; [a] Structural Concrete Engineering & Tech. [b] Sustainable Materials and Composites [c] Retrofitting/ rehabilitation of Structures [d] Computational Structural Mechanics for Analysis and Design & Software Development [e] Transmission Line Towers – Analysis, design, testing & evaluation [f] Metal Structure Behaviour [g] Fatigue & Fracture [h] Structural Health Monitoring, Evaluation & Forensic analysis [i] Wind Engineering [j] Earthquake Engineering and [k] Structure Interaction inter-disciplinary Problems
		Scientist 3 Posts (UR-2 & SC-1) GP ₹ 6600/- 32/37 years	M.Tech./M.E. or equivalent recognized Post Graduate degree in Civil Engineering with specialization in Structural Engineering	Candidates having knowledge of advanced structural analysis and design, advanced materials, Non-destructive Testing and Evaluation, familiarity with computer programming use of softwares and experimental techniques for structural engineering applications will be preferred.	

Post Code	Pay Band	Designation/ No. of posts/ Reservation & Grade Pay (GP)/ Age limit not exceeding	Educational Qualifications	Desirable	Job Specification
SCT-3	₹ 15600- 39100 (PB-3)	Senior Scientist 02 Posts UR GP ₹ 7600/- 37 years	Ph.D (Engineering) in the discipline of Structural Engineering	Experience in Non- destructive Testing and Evaluation, repair, reconditioning, rehabilitation retrofitting of Concrete / Steel Structures using advanced techniques / methodologies, Advanced Structural analysis and design of special structures.	The candidates selected would be required to work in any of the following R&D areas that would call for any or combination of analytical, computational, field, laboratory investigations; [a] Structural Concrete Engineering & Tech. [b] Sustainable Materials and Composites [c] Retrofitting/ rehabilitation of Structures [d] Computational Structural Mechanics for Analysis and Design & Software Development [e] Transmission Line Towers – Analysis, design, testing & evaluation [f] Metal Structure Behaviour [g] Fatigue & Fracture [h] Structural Health Monitoring, Evaluation & Forensic analysis [i] Wind Engineering [j] Earthquake Engineering and [k] Interaction Problems & inter- disciplinary Problems

Note : (Out of the six posts, one post is reserved for OH category)

FOR INNOVATION COMPLEX at Chennai

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SCT-2	₹ 15600- ₹ 39100 (PB-3)	Scientist 01 post (UR) GP ₹ 6600/- 32 years	Ph.D in the discipline of Biology/ Biotechnology/ BioChemistry submitted	Experience in application of biological cementitious concrete materials.	The candidates selected would be required to work in any of the R&D areas that would call for any or combination of analytical, computational, field, laboratory investigations in developing sustainable materials such as bio- materials nano materials engineered cementitious materials etc.
SCT-2	₹ 15600- ₹ 39100 (PB-3)	Scientist 01 post (UR) GP ₹ 6600/- 32 years	Ph.D in the discipline of Material Science submitted	Expertise in engineering/ doping of elements or molecules for physicochemical modification of materials, and nano- /micro- characterization using EDAX, XPS, SEM, TEM, UV-Vis, Raman, TGA etc., Experience in application of engineering/doping techniques for development of innovative and green cementitious building materials.	

General information and conditions:-

[A] Benefits under Council service:

1. 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 made applicable to CSIR employees stationed in Chennai. 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.
2. Scientists in Pay Band-3 are also eligible for 2 additional increments (without DA) and Professional Update Allowance.
3. Besides pay, these posts carry usual allowances as admissible under the Central Government rules. The total emoluments at the minimum of the scale for the posts at present is as follows (including House Rent Allowance) as applicable for the city of Chennai.

- a. Scientist - ₹18750 + G P of ₹ 6600 in the Pay Band PB-3 ₹15600-39100 = ₹64,705/-
- b. Sr. Sct. - ₹21900 + G P of ₹ 7600 in the Pay Band PB-3 ₹15600-39100 = ₹74,250/-

4. In addition to the emoluments indicated against each category of posts, benefits such as reimbursement of Medical expenses, Leave Travel Concession, Conveyance advance and House Building Advance are available as applicable to Council employees.
5. The selected candidate under CSIR-SERC will be governed by the New Defined Contribution Pension Scheme of Government of India as made applicable with effect from 1st January 2004.
6. 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 deputation for training/presentation of papers/specific assignments etc.
7. CSIR provides excellent opportunities to deserving candidates for career advancement under Assessment Promotion scheme for Scientist.

[B] Relaxations:

1. The date for determining the age limit/experience/qualifications shall be the closing date prescribed for receipt of online applications i.e. **26-05-2014**.
2. The upper age limit is however, relaxable 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.
3. Upper age limit is relaxable upto 5 years for the regular employees working in CSIR Laboratories/ Institutes, Government Departments, Autonomous Bodies and Public Sector undertakings for the post of Scientists.
4. Relaxation in case of Ex-servicemen will also be applicable as per provisions.
5. Relaxation in the upper age limit of 5 years applicable for the persons who had been domiciled in the Kashmir Division of the State of J&K during the period of 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 State to the effect that he/she had ordinarily been domiciled in the Kashmir Division of State of J&K during the period from 01-01-1980 to 31-12-1989.
6. Special Age Relaxation: Upto the age of 35 years (upto 40 years for SC/ST and 38 Years for OBC) in the case of Widows, Divorced Women Judicially separated from their husbands, who are not re-married.
7. Age relaxation to Physically Handicapped (PH) persons upto 5 years is allowed (8 years for OBC).
8. Relaxation in age, qualification and/or experience may be permitted if sufficient number of candidate possessing the requisite qualification and/or experience is not likely to be available to fill up the posts.

[C] General conditions/Information:

1. The applicant must be a citizen of India.
2. Candidate should 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 online electronics application.
3. The number of vacancies indicated against each category is provisional and may vary at the time of selection.
4. The above posts are temporary but likely to continue.
5. The period of experience in a discipline/area of work, wherever prescribed, shall be counted after the date of acquiring the minimum prescribed educational qualification prescribed for that post.
6. The qualifications prescribed should have been obtained through recognized Universities/Institutions.
7. Application form should be complete in all respects. Completed application means (i) all information sought duly filled in or provided (ii) application form duly signed with date wherever required /asked (iii) all relevant documents sought duly attested by Gazetted officer to be enclosed. Incomplete applications/applications received not accompanied by the required certificates/documents are liable to be rejected.
8. IN THE EVENT OF NUMBER OF APPLICATIONS BEING LARGE, CSIR 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
9. Higher initial pay can be considered for exceptionally meritorious candidates.
10. 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.
11. Outstation candidates called for interview will be paid to and fro single second class rail fare / ordinary bus fare from the normal place of their residence or that declared in the application or from the actual place of undertaking the journey, in India, whichever is nearer to the place of the interview, as per rules.
12. Canvassing in any form and/or bringing in any influence, political or otherwise, will be treated as a disqualification for the post. Interim enquiries will not be attended to.
13. The decision of the Director, CSIR-SERC in all matters relating to eligibility, acceptance or rejection of applications, mode of selection, conduct of test/interview as per '**CSIR Scientists Recruitment & Assessment Promotion Rules 2001**' and not to fill up all or any of the posts will be final and binding on the candidates and no interim enquiry or correspondence will be entertained in this connection from any individual or his/her agency.

[D] Mode of Selection:

1. Mere fulfillment 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 and only those candidates who, in the opinion of the Institute, suit the institutional requirements, will be called for interview. The candidate should therefore, mention in the application all the qualifications and experiences in the relevant area over and above the minimum prescribed qualifications, supported with documents. Completion of Ph.D degree will be reckoned from the date of issue of provisional certificate/notification.
2. Candidates of Indian origin settled abroad who are of proven merit as evidence by their qualification; research work and experience may be considered by the Selection Committee in Absentia on his/her written request.
3. The Selection Committee depending upon the performance of the candidate may choose to place the candidate in any of the Grade Pay within the Pay Band subject to meeting the minimum eligibility criterion specified.

[E] How to apply:

1. Applications from employees working in Government Departments, Public Sector Organizations and Government funded research agencies will be considered only if forwarded through proper channel with a clear certificate that the applicant will be relieved within one month of receipt of the appointment orders. However advance copy of the application may be submitted before the closing date.
2. Candidate are required to arrange for a crossed Demand Draft for ₹ 100/ drawn on any nationalized bank and valid for at least 3 months in favour of “**The Director, CSIR-SERC**”, payable at Chennai. SC/ST/PWD/Women/CSIR Employees/Abroad Candidates are exempted from submission of application fee.
3. Application once made will not be allowed to be withdrawn and fees once paid will not be refunded on any count nor can it be held in reserve for any other recruitment or selection process.
4. Candidates should specifically note that the applications received after the closing date for any reason whatsoever will not be entertained by CSIR-SERC.
5. Candidates should apply **On Line on or before 26-05-2014.** Hard copy of the online application duly signed along with recent passport size photograph, attested copy of matriculation/SSLC as proof of age/degree/provisional degree certificate, copies of mark sheets for all the semesters/years, SC/ST/OBC certificate(s), work experience certificates, testimonials etc. should be sent in a sealed cover superscribed “Application for the post of **Scientist / Senior Scientist**” to “**THE CONTROLLER OF ADMINISTRATION, CSIR-STRUCTURAL ENGINEERING RESEARCH CENTRE, CSIR CAMPUS, POST BAG NO.8287, CSIR Road, TARAMANI P.O. CHENNAI 600 113**’ on or before **06-06-2014.**

Sd/-

(Manuel Thomas)

CONTROLLER OF ADMINISTRATION

This advertisement may also be seen in CSIR-SERC website: “www.serc.res.in” by clicking
“**Recruitment**” from the Home Page