



**CSIR-CENTRAL BUILDING RESEARCH INSTITUTE**  
**(Council of Scientific & Industrial Research)**  
**ROORKEE - 247 667**  
(Website:www.cbri.res.in)



**Advertisement No:CBRI-02/2011**

Last date for receipt of applications: 23.8.2011

*“CSIR strives to have a workforce which reflects gender balance and women candidates are encouraged to apply”*

The Central Building Research Institute (CBRI), Roorkee, a constituent unit of Council of Scientific and Industrial Research (CSIR), New Delhi is a Nation’s premiere Institute in the area of Building Science & Technology entrusted with the responsibility of generating, cultivating and promoting innovative research in building science and technology. The major areas of R&D thrust of the Institute include applied and basic research in various areas of Building Science and Technology to provide S&T back up to the problems related to Advance Construction Materials, Structure & Foundation, Energy efficient building system, development of process equipments, Health monitoring of building structures, environmental monitoring and Disaster (Landslide, Fire, Earthquake, Cyclone) Mitigation. R&D is aimed at development of new Building Materials and Construction Technologies to enable the transfer of the developed technologies to the industry for commercialization. The Institute has built up excellent facilities for experimentation/testing in the frontier areas of building science & technology over the decades.

Director, CSIR-CBRI invites applications from Indian Nationals, who are young, dynamic, self-motivated, talented and experienced with adequate leadership qualities and have consistently excellent academic record for under-mentioned posts :-

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**Eligibility Criteria :**

**Scientist - 20 Posts (10-UR, 3-SC, 5-OBC, 2 - ST) (out of these 20 posts, one post is reserved for PWD)**

**Scale of Pay : Rs.15600-39100+ G.P. Rs.6600\***

**Age limit : Not exceeding 32 years.**

(\*The Selection Committee depending upon the performance of the candidate may choose to place the candidate in any of the Grade Pay within Pay Band-3 subject to meeting the minimum eligibility criteria.)

- **Area – Civil Engineering, No. of post -Ten (4–UR, 2–SC, 3-OBC, 1-ST)**
  - (i) **Post Nos.1-2, Unreserved** (Single Application may be sent for these two posts)
  - (ii) **Post No. 3, Reserved for OBC.**

**Essential Qualification** : Ph.D. (Thesis submitted/Awarded) in Civil Engineering with specialization in Environmental Engineering or M.E./M.Tech. or equivalent in Civil/Environmental Engineering.

**Desirable Qualification**: Experience in the development of newer construction material.

**Job Requirement** : To carry out R&D activities on the use of recycled material, Utilization of Industrial Waste to produce useful building materials, development of newer material, Environment Management Plan for building material Industry, Indoor Air quality monitoring.

(iii) **Post Nos. 4-5, Unreserved**(Single Application may be sent for these two posts)

(iv) **Post Nos. 6-7, Reserved for OBC**(Single Application may be sent for these two posts)

(v) **Post No. 8 Reserved for ST**

**Essential Qualification** : Ph.D (Thesis submitted/Awarded) in Civil Engineering with specialization in Geotechnical Engineering with focus on Geotextiles/Geosynthetics or M.E./M.Tech or equivalent in Civil/Geotechnical Engineering.

**Desirable Qualification**: Experience in the area of geotextiles/geosynthetics in soils.

**Job Requirement**: To carry out R&D activities in Ground improvement, Geotextiles and Geosynthetics, Geoenvironmental Engineering.

(vi) **Post Nos. 9-10 Reserved for SC.** (Single Application may be sent for these two posts)

**Essential Qualification** : Ph.D.(Thesis submitted/Awarded) in Structural Engineering with a focus on Wind Engineering or M.E./ M.Tech. or equivalent in Civil/Structural Engineering.

**Desirable qualification**:: Experience in the area of structural composites, wind effects on structures.

**Job Requirement**: To pursue R&D activities in the areas of Structural Analysis and design, distress diagnostics and retrofitting of structures, health monitoring of building structures, Pre-fabricated Structural System, Pre-stressed Structural System, Composite materials, wind effects on structures.

➤ **Area – Chemical Engineering, No. of post – Seven (3 – UR, 1 – SC, 2 – OBC, 1-ST)**

(i) **Post Nos. 11-13, Unreserved** (Single Application may be sent for these three posts)

(ii) **Post No. 14, Reserved for SC**

(iii) **Post Nos.15-16 Reserved for OBC**(Single Application may be sent for these two posts)

(iv) **Post No. 17, Reserved for ST**

**Essential Qualification** : Ph.D. (Thesis submitted/Awarded) in Chemical Engineering with focus on Fire Engineering or M.E./M.Tech. or equivalent in Chemical Engineering with specialization in Industrial safety of Hazards Management.

**Desirable Qualification** : Experience in Fire Engineering activities.

**Job Requirement**: To pursue R&D activities in areas of fire modeling and simulation; numerical and experimental studies on fire/ smoke spread; fire retarding material with application in Nanotechnology, Removal of pollutants.

➤ **Area –Electrical Engineering, No. of post – Two (Unreserved)**

(i) **Post Nos. 18-19, Unreserved** (Single Application may be sent for these two posts).

**Essential Qualification** : Ph.D. (Thesis submitted/Awarded) in Electrical Engineering with focus on Energy Efficient Systems or M.E./ M.Tech. or equivalent in Electrical Engineering with specialization in Electrical Measurement & Instrumentation/Energy.

**Desirable Qualification** : Experience of instrumentation, Energy studies.

**Job Requirement**: To pursue R&D activities in areas of wireless sensors for structural health monitoring, instrumentations for landslide activity, Solar photo voltaic Cells, energy efficiency in building system.

➤ **Area – Mechanical Engineering, No. of post – One (Unreserved)**

(i) **Post No. 20, Unreserved.**

**Essential Qualification** : Ph.D.(Thesis submitted/Awarded) in Mechanical Engineering with specialization in Solid Mechanics/Machine Design or M.E./M.Tech. or equivalent in Solid Mechanics.

**Job Requirement:** To work in the development and design of Process for mechanized production of building material/development of building equipment and plants for mechanization in building industry, Robotics application in Civil Engineering.

**NOTE:-** Out of 20 posts, one post is reserved for Persons With Disability(PWD) for either Orthopedically Handicapped /Locomotor Disability / Cerebral Palsy/ one leg affected-Right or Left OR Hearing Impaired(partially Deaf) candidates based on suitability of the candidates. All the posts are suitable for PWD with above mentioned disabilities.

**1. General Conditions:**

- The posts carry usual allowances i.e. Dearness Allowance (DA), House Rent Allowance (HRA), Transport Allowance etc. as admissible to Central Government employees as made applicable to CSIR employees. Council accommodation is available and will be allotted as per rules, in that case HRA will not be admissible.
- Higher initial pay may be considered for exceptionally outstanding candidates.
- The post is pensionable based on defined contribution under the New Pension Scheme which has been in vogue with effect from 01.01.2004.
- The number of vacancies indicated against each category are provisional and may vary at the time of selection.
- CSIR/CBRI offers excellent opportunities for career advancement under Flexible Complementing Scheme.
- All Scientists (Rs.15600-39100+ G.P. Rs.6600) are eligible for two additional increments (without DA).
- All Scientists are eligible for professional update allowance of Rs. 5,000/- per annum.
- A Scientist can augment his income with sharing of earnings by way of Honorarium/Intellectual Fees for Consultancy/Technical Services and R&D Sponsored Projects undertaken by the Institute.
- Candidates of Indian Origin settled abroad of proven merit, as evidenced by their research work/publications, if found suitable for the post applied, may be considered by the Selection Committee, *In Absentia*, on specific request of the candidate.
- Services of incumbent shall be transferable anywhere in India.

**2. Age Relaxation:**

- *The date for determining the age limit/experience/qualifications shall be the closing date prescribed for receipt of applications i.e. 23.8.2011.* The upper age limit, however, may be relaxed up to 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 and upto five years for the employees working in CSIR Labs./Government/Autonomous Bodies/Public Sector Undertakings.
- SC/ST/OBC candidates are required to produce attested copy of community certificate in the prescribed format along with the Application Form.
- Relaxation in the upper age limit for Physically Handicapped will be 5 years, over and above the relaxation admissible for SC/ST/OBC, as the case may be, on furnishing of the Disability certificate (suffering from not less than 40 percent of relevant disability) issued by the competent authority.
- Candidates belonging to Other Backward Classes (OBC) must submit the attested photocopy of the current year's certificate in the Central Govt. prescribed form issued by the specified competent authority (SDO/District Magistrate/ Dy. Commissioner) along

with the Application Form. The certificate issued by Gazetted Officers should be countersigned by the District Magistrate or Dy. Commissioner. OBC candidates will be considered as per CSIR/Govt. of India Rules.

- Relaxation in the upper age limit of 5 years are 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.
- Relaxation in age limit for Ex-Servicemen and certain other categories will be as per Government of India Rules.
- Relaxation in age, over and above the stipulated limit, educational qualification and/or experience will only be considered in case of exceptionally meritorious candidates with prior approval of the Competent Authority.

### **3. How to Apply & Application Fee**

- Prescribed Application form should be downloaded from CSIR-CBRI website [www.cbri.res.in](http://www.cbri.res.in) or can be obtained from Controller of Administration, CSIR-CBRI, Roorkee – 247667 in person or by sending a request along with a self-addressed envelope of 23x11 cm affixed with postage stamps of Rs.10/- on or before 16.8.2011. Photocopies of application form can also be used. Filled in application(s), complete in all respects, duly signed by the candidates alongwith duly filled synopsis sheet supported by attested copies of certificates of educational qualifications, experience, etc together with an application fee (if applicable) of Rs.100/- (Rupees One hundred only) (US \$25 for candidates applying from abroad) in the form of crossed Demand Draft drawn in favour of Director, CBRI payable at State Bank of India (Code No.10635), CBRI Branch, Roorkee is to be sent in an envelope superscribing “***Application for the post \_\_\_\_\_ (name of post applied for & Post No.)***” to the Controller of Administration, CSIR-Central Building Research Institute, Roorkee – 247 667 (Uttarakhand), so as to reach *on or before 23.8.2011*.
- **Candidate belonging to SC/ST/PH/Women/Ex-servicemen/CSIR Departmental candidates are exempted from payment of application fee.**
- Candidates applying for more than one post should apply separately for each post (*except where specifically instructed*) indicating the Post No. of the post accompanied by separate requisite DDs of Rs.100/- each.
- Candidates who are in service in Government/Public Sector Undertaking/Autonomous Bodies etc. should send their applications THROUGH PROPER CHANNEL or should enclose a ‘No Objection Certificate’ of their employer with the application failing which their candidature will not be considered. Vigilance clearance in respect of the employee should also be recorded in the forwarding letter. However, advance copy of the application may be submitted before the closing date which will be considered only if the original application is received through proper channel within 15 days from due date for submission of applications.
- 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 CBRI. Any enclosure received separately subsequent to the receipt of the application cannot be connected therewith. No representation in this regard will be entertained.

- Incomplete application (i.e. without photograph, **without duly filled synopsis sheet**, without attested copy of educational certificates, unsigned and blank columns) will not be entertained and will stand rejected.
- Applications submitted in any other format other than prescribed format will be rejected.

#### 4. **Mode of Selection:**

- The prescribed essential qualifications are the bare minimum and mere possession of the same will not vest any right in a candidate for being called for interview. Where number of applications received in response to the advertisement is large, it may not be convenient or possible for the Institute to interview all the candidates. The Institute may restrict the number of candidates to be called for interview to a reasonable limit after scrutiny by a duly constituted Screening Committee on the basis of qualifications and experience higher than that of the minimum prescribed in the Advertisement. The Screening Committee can adopt its own criteria to shortlist the candidates. The candidate should, therefore, mention in the application, all the qualifications in the relevant field over and above the minimum prescribed qualification supported with documents. A screening test may also be conducted for short-listing the candidates for interview if it is considered necessary.
  - Candidate should ensure that he/she possesses educational qualification in the relevant area as required in the category/post, for which he/she is applying, on the last date of receipt of application.
  - The qualification prescribed should have been obtained from recognized Universities/Institutions. Candidates possessing recognized equivalent qualification as mentioned against each post above are also eligible to apply.
  - 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 the place of interview on production of Rail Tickets/Rail Ticket Numbers or any other proof of journey. 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.
5. Canvassing in any form or bringing of any influence, political or otherwise, will be treated as a disqualification.
  6. The decision of the CBRI/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 and no enquiry or correspondence will be entertained in this connection from any individual or his/her agency.

#### **Check list: Attested copies of following documents must be attached with the application form.**

- a) Secondary School certificate showing Date of Birth.
- b) Diploma/Degree certificate and mark sheet (year/semester wise) in support of essential qualification and any higher qualification.
- c) Synopsis sheet duly filled in the prescribed format.
- d) Demand Draft of Rs. 100/-.
- e) Certificate of OBC/SC/ST/PH.
- f) NOC (from Govt./Autonomous Body/Public sector employee).

Controller of Administration