

Junior Research Fellowships (JRF through CSIR-UGC NET)

Note: All annexures are given below in this document.

1. GENERAL

a) The EMR Division under HRD Group of Council of Scientific & Industrial Research (CSIR) provide CSIR Research Fellowships and Associateships to bright young men and women for training in methods of research under the expert guidance of faculty members/scientists working in University Departments/Institutes of National Importance/National Laboratories and Institutes of CSIR in various fields of Science & Technology and Medical Sciences. List of CSIR Laboratories is at **Annexure-I**.

b) The CSIR Fellowships/Associateships are tenable in Universities/IITs/Post-Graduate Colleges/ Government Research Establishments including those of CSIR, R&D establishments of recognized public or private sector, industrial firms and other recognized institutions. However, CSIR reserves the right to determine the place best suited to provide necessary facilities in the area of science and technology in which the awardee is to specialize.

c) The CSIR Fellowships / Associateships are tenable in India. Only bonafide Indian citizens, residing in India are eligible for the award of research Fellowship/Associateships. The programme is aimed at National Human Resource Development for S&T.

d) The award of CSIR Fellowship / Associateships is for fixed tenure and does not imply any assurance or guarantee for subsequent employment by CSIR to the beneficiary. The authority to award/ terminate vests with CSIR. The awardee shall not lay claim to permanent absorption in CSIR, after the expiry of Fellowship / Associateship.

2. SUBJECT OF RESEARCH

Preference is given to a subject / topic of research relevant to the research programme of CSIR laboratories and nationally important S&T areas.

3. ELIGIBILITY FOR CSIR JUNIOR RESEARCH FELLOWSHIP (JRF)

A large number of JRFs are awarded each year by CSIR. to candidates holding BS-4 years program/BE/B. Tech/B. Pharma/MBBS/ Integrated BS-MS/M.Sc. or Equivalent degree/BSc (Hons) or equivalent degree holders or students enrolled in integrated MS-Ph.D program with at least 55% marks for General & OBC (50% for SC/ST candidates, Physically and Visually handicapped candidates) after qualifying the National Eligibility Test (NET) conducted by CSIR twice a year June and December.

Candidates with bachelor's degree, whether Science, engineering or any other discipline, will be eligible for fellowship only after getting registered/enrolled for Ph.D/integrated Ph.D. programme within the validity period of two years.

Candidate enrolled for M.Sc. or having completed 10+2+3 years of the above qualifying examination are also eligible to apply in the above subject under the Result Awaited (RA) category.

4. APPLICATION PROCEDURE

On-line applications for JRF-NET are invited twice a year on all India basis through press advertisement. The information with respect to inviting applications is also made available on HRDG website : www.csirhrdg.res.in.

5. AGE LIMIT

The upper age limit for applying for the award of JRF shall be 28 years, which is relaxed upto 5 years in the case of candidates belonging to Schedule Castes/Schedule Tribes/, Physically Handicapped/Visually Handicapped and female applicants whereas 3 years in case of OBCs (Non-creamy layer candidates).

6. SELECTION PROCEDURE

The Selection for award of JRF shall be made on the basis of a competitive written test called the National Eligibility Test (NET), conducted by CSIR at national level twice a year in the following areas (1) Chemical Sciences (2) Earth, Atmosphere, Ocean and Planetary Sciences (3) Life Sciences, (4) Mathematical Sciences, and (5) Physical Sciences. From June 2011, CSIR has introduced a Single MCQ (Multiple Choice Question) Paper based test comprising of three parts. Part-A shall be common to all subjects comprising question on General Science and Research Aptitude. Part-B shall contain subject-related conventional MCQ and Part-C shall contain higher value questions that may test the candidate's knowledge of scientific concepts and/or application of the scientific concepts. Negative marking for wrong answers shall be done.

The candidates who qualify the test are informed individually. The Fellowship is awarded on receipt of necessary details of the qualifying degree examination, proposed place of research work, research topic, the name of supervisor and the concurrence of the Institution to provide all the necessary facilities. The validity of the offer of the JRF award is two years and will not be extendable.

Application Format of the Undertaking by a Research Fellow /Associates on Acceptance of the Award of Research Research Fellowship/ Associateship

7. PHD REGISTRATION AND TERMINATION OF FELLOWSHIP

(a) JRF-NET qualified Graduate Candidates

Candidates with bachelor's degree, whether Science, engineering or any other discipline, will be eligible for fellowship only after getting registered/enrolled for Ph.D/Integrated Ph.D. programme (Ph.D proforma Download from here) within the validity period of two years.

(b) JRF-NET qualified Postgraduate Candidates

CSIR Junior Research Fellows should register for PhD within a period of two year (Ph.D proforma Download from here) from the date of joining their fellowship, failing which the fellowship may be terminated. In exceptional circumstances, CSIR may consider giving extension for an additional period of one year. During the extended period, the Junior Research Fellowship will, however, not be upgraded to Senior Research Fellowship. If at the end of 3rd year also, the fellow is not registered for PhD, the fellowship will be terminated.

(c) The Fellowship shall stand terminated from the date of PhD viva-voce or from the date the Fellow resigns and his/her resignation has been accepted by CSIR or on completion of tenure. The fellowship may also be terminated if the institution where it is tenable refuses to provide facilities to the fellow on disciplinary grounds and so informs CSIR.

8. STIPEND & TENURE

(a) The stipend of a JRF selected through CSIR-UGC National Eligibility Test (NET) will be Rs 31,000/ p.m for the first two years. In addition, annual contingent grant of Rs. 20,000/- per fellow will be provided to the University / Institution. The guidelines for utilization of contingent grant are given in **(Annexure- II)**

(b) SRF-NET: On Completion of two years as JRF and if the fellow is registered for PhD, the fellowship will be upgraded to SRF (NET) and the stipend will be increased to Rs. 35,000/- p.m for the 3rd and subsequent years,

on the basis of assessment of Fellows' research progress/ achievements through interview by an Expert Committee consisting of the Guide, Head of the Department and External Member from outside the University/ Institution who is an expert in the relevant field, not below the rank of Professor/ Associate Professor. As far as possible the External Member should be the chairman of three members Committee. Where the guide happens to be the Head of the Department, the Dean, Faculty of Science or any senior member of the Department may be associated as the third member of the Committee (**Annexure-III**) and (**Annexure-IV**). In the event of the Committee not recommending upgradation or the fellow has not registered for PhD, the candidate will continue as JRF with a stipend of Rs 31,000/- p.m for the 3rd year or his/her fellowship may be terminated depending upon the recommendation of the Committee and the decision of CSIR in this regard will be final. The progress of research work of JRF will be assessed by duly constituted three member assessment committee again at the end of 3rd year for such upgradation.

(c) It is expected that Fellows will have published work to their credit by the end of 3rd year. This shall form an important quantitative and qualitative criterion for judging the progress made by the candidate. If the work of JRF is still not found satisfactory for upgradation by the Committee or did not registered for PhD, the fellowship will be terminated. Further, if the progress is not satisfactory on completion of any sanctioned tenure, the fellowship will be terminated. Extension of tenure for the 4th year of SRF (NET) will be on the basis of the progress report (**Annexure-IV**) and recommendation of the guide. The 5th year extension as SRF(NET) is permissible on the recommendation of a three member assessment Committee and progress report duly supported by publications in the form of reprints/preprints/manuscripts of the paper published, accepted or communicated for publication (**Annexure-IV**) and (**Annexure-V**). **Noncompliance of CSIR norms for submission of annual progress report along with other requisite documents within six months after completion of yearly tenure may result in termination of fellowship/associateship.**

(d) The total tenure as JRF plus SRF(NET) will not exceed five years. This will include the tenure of Fellowship awarded by UGC/DST/DBT/ICMR/ICAR etc or any other funding agency/Institution. The order for continuation at the same rate of stipend as SRF(NET), continuation at the same rate of stipend as JRF or otherwise will be issued by the EMR Division of HRDG, CSIR. Extension may not also be granted if the fellow does not acknowledge the support of CSIR in his/her research publication(s).

(e) **A Research Fellow who joins on the first day of the month, his/her tenure will be completed on the last day of the previous month. In other cases the tenure will be completed on the last day of the same month of joining the Fellowship.**

9. AWARD OF FELLOWSHIP AND RELEASE OF GRANTS

(a) The Fellowship will be awarded to the selected applicants by a formal letter giving details of the grant and the conditions governing it, under intimation to the University/Institution, which forwarded their applications. The tenability of NET certificate is two years from the effective date of fellowship and a NET qualified JRF-NET should avail the fellowship within two years i.e. within the validity period of JRF-NET certificate. The fellowship grant money is payable on monthly basis through Direct Benefit Transfer (DBT) mode whereas the annual contingency will be paid to the host institute of the research fellow (**Annexure-VIa for Annual Contingency**) and (**Annexure-VIb for monthly Fellowship**) duly signed by the Finance Officer/Registrar/Head of the Institution.

(b) The first payment (fellowship stipend) will be made after the receipt of the joining report of the fellow along with other necessary documents (such as Birth Certificate, Caste Certificate, Graduate & Postgraduate Marksheets, Integrated-PhD/PhD enrolment/registration, JRF-NET Certificate etc.) through the Guide duly forwarded by the Executive Authority of the institute in whose favour the contingency grant is to be released. Subsequent monthly stipend will be made on receipt of duly signed bills (**Annexure-VIb**) along with the attendance records. The annual contingency payments will be made only after receipt of (a) the progress report of the Research Fellow in the prescribed proforma (**Annexure-IV**) for the period ending 31 March and previous one year report, (b) utilization certificate (**Annexure-VII**), and statement of receipt and payment (statement of accounts) (**Annexure-VIII**) incurred during the financial year ending 31 March, along with the claim bill for the next financial year from the concerned institution. The unspent amount of earlier payments and Interest Earned by Institutions/Universities on Grants released by CSIR for fellowships has to be refunded to CSIR at the end of a

financial year or has to be adjusted while submitting/making the fresh claims for payment. The accounts should be maintained on ledger type system by the grantee Institution for the Research Fellow (**Annexure-IX**). The university/Institution shall be responsible for proper utilization of grant and for rendering the account to the CSIR-HRD Group.

10. CONTINGENT GRANT

(a) An annual contingent grant of Rs.20,000/- per fellow is provided to the University/Institution. For less than one year, the contingent grant will be admissible on pro-rata basis. Part of this grant may be utilized in the interest of research work, purchase of books, etc. The unspent balance of contingency grant at the end of a year may be carried forward to the next year, however, the next release of contingency grant will be subject to adjustment of unspent balance of contingency grant of the previous year thereby restricting contingency expenditure to a maximum of Rs 20,000/- in a year. **Further request (claim) for release of contingency grant of the previous financial year(s) will not be entertained.** The guidelines for utilization of the contingent grant are given in (**Annexure-II**).

(b) The CSIR Research Fellows will be given Rs.3,000/- (lump sum) extra on submission of PhD thesis in e-form. For details, **Head, CSIR's Unit for R&D of Information Products (URDIP), 'JOPASANA', 85/1, Paud Road (Near Vanaz Engineering Company), Kothrud, Pune -411 038, Maharashtra, may be contacted. The website address of URDIP is www.urdip.res.in.**

(c) **The University/Institution has to submit the consolidated Utilization Certificate (Annexure-VII) and Statement of Expenditure (Annexure-VIII) at the end of each Financial Year failing which grant-in-aid payable for next year will not be released.**

11. PROGRESS REPORT

The preparation of annual progress report on the research work done shall be essential part of the Fellow's work. Each Research Fellow shall submit his/her annual research report in the prescribed proforma (**Annexure-IV**) within a period of 15 days after completion of one year tenure to CSIR (HRD Group) through his/her Guide/Head of the Department. It is essential to give up to-date and full information against all the columns of (**Annexure-IV**). The results should be presented quantitatively in Tables/Figures and discussed in terms of the objectives and conclusions drawn should also be given. Fragmentary reports shall not be entertained. **The progress report should be always accompanied by copies of published papers, re-prints and pre-prints of papers accepted for publication, manuscripts of papers communicated for publication duly acknowledging financial assistance of CSIR. Noncompliance of CSIR norms for submission of annual progress report along with other requisite documents within six months after completion of yearly tenure may result in termination of fellowship/associateship.** Attendance record must accompany the annual report. The Guide/Head of Department shall bring out in his/her assessment report the share of originality and initiative of the fellow in carrying out the research work. If thesis is submitted for higher degree, this may be reported by the guide of the department to CSIR and the result when announced.

12. PUBLICATION/PATENT

(a) **Publication:** The results of Fellow's research work may be published in standard refereed journals at the discretion of the Guide. IT SHOULD BE ENSURED THAT THE ASSISTANCE PROVIDED BY CSIR IS ALWAYS ACKNOWLEDGED IN ALL SUCH PUBLICATIONS. One copy of the published research papers should be sent to CSIR.

(b) **Patent:** The commercial exploitation of the results and ownership of patent rights pertaining to investigations concerning the intellectual work of the CSIR research fellows/associates will be as follows: (i) Public funded educational/research institution, to which a fellow is associated, may seek patent right at their own cost and/or

commercial exploitation of the results of the investigation concerning the Intellectual work of the fellow and all rights would vest exclusively with the Institution concerned. All matters concerning ownership of IP and its licensing/exploitation would be governed by the IP policy of the concerned institutions. (ii) In case an institution, to which a fellow is associated, is not in a position to seek patent rights and/or commercial exploitation of the results of the investigation concerning the intellectual work of the fellow, CSIR at its own cost may seek the patent rights and/or commercial exploitation of the results of the intellectual work of the fellow and all rights would vest exclusively with CSIR. (Issued vide CSIR OM NO. F.No. 6/IPR/2011/EMR-I dated 29th July 2011)

13. OBLIGATIONS OF RESEARCH FELLOW

a) He/She has to be a full time researcher and submit himself/herself to the disciplinary regulations of the University/ Institute/ Laboratory where he/she is working. Regular attendance of the fellow may be ensured by the department by keeping an attendance register.

b) In case a fellow decides to appear for competitive examination, he/she would invariably seek permission from the guide and inform CSIR about it.

c) The Research Fellow is not to take any assignment other than related to his/her approved research programme, paid or unpaid. However, if required, the fellow may assist the host institute in its academic work/other activities, as per guidelines of its PhD programme, provided such assignments should not hamper the progress of research work of the fellow.

d) Once a Research Fellow accepts the Fellowship and joins, it is incumbent on him/her to continue the research for the normal tenure of the fellowship or for such lesser duration in which the original objectives of the research problem have been achieved.

e) No Fellow shall discontinue his/her Fellowship without prior approval of CSIR. In case he/she wishes to discontinue the fellowship prior to completion of the tenure on attainment of original objectives of research, he/she must submit the resignation to CSIR through the Guide one month in advance, indicating specific reasons for not continuing the Fellowship. The Fellowship shall cease from the date stipulated in the CSIR letter approving the resignation.

f) The research Fellow must send a detailed consolidated report of the research work done during the entire period of Fellowship on completion of the tenure/resignation of the Fellowship through the Guide to CSIR, in the prescribed proforma (**Annexure-X**), within one month.

g) During the tenure of the Fellowship, the Fellow shall correspond with CSIR only through the Guide with the approval of the Head of the Institution.

h) The Research Fellow shall keep CSIR informed about his/her getting the higher degree, submission of thesis for Ph.D., MD, MDS, MS, MPhil, ME etc. and submission/acceptance/publication of any research paper arising out of the research work done during the tenure of the fellowship. He/She must acknowledge the support of CSIR in the publication(s). One copy each of all the research papers published must be sent to CSIR at each stage of publication/
manuscript/reprint.

14. TEMPORARY TEACHING & RESEARCH JOB

A Research Fellow on the recommendation of Guide, and provided that his/her University/ Institute has no objection, may be permitted by CSIR to take up temporary paid lectureship/research job in a recognized R&D Institution/University, College/Institute of repute/Recognized R & D Institution/ PDF studies in India & abroad for a period not exceeding one year during the entire tenure of the Fellowship (JRF & SRF together). The Research Fellow will not be entitled to any extension of the Fellowship for such periods. The Fellow will not be entitled to stipend and contingency grant during such leave. Such leave period will be counted in the tenure. Such leave can be taken only after joining and working as Research Scholar at least for one year. Fellow has to report for duty at the same place from where he proceeded on leave.

15. LEAVE

a) Leave with stipend not exceeding 30 days for each completed year of tenure may be allowed by the Guide after the request has been communicated to CSIR. The leave will be treated as part of the Fellow's tenure. The leave due can be carried over to the next year, however not more than 90 days can be accumulated at any time during the tenure. Of this not more than 30 days can be availed in a calendar year with stipend and beyond that any leave will be treated as "Leave Without Stipend". During the first year of Fellowship or any uncompleted year, leave may be granted on pro-rata basis. Sanction of leave without stipend may be considered by CSIR under special circumstances. In case a Fellow proceeds on leave before expiry of Fellowship tenure, he/she must join back before the expiry of tenure; failing which the tenure will be deemed to have terminated with effect from the date he/she proceeded on leave. The fact of joining back from leave should be communicated to CSIR immediately. As the CSIR releases the grant in advance, therefore, the amount on account of "Leave Without Stipend" has to be refunded to CSIR at the end of a financial year or adjusted against the fresh claim, if any.

b) The Guide can grant leave to a Fellow in his/her charge with the concurrence of the Head of the Institution/Department if the leave is due as prescribed in para 15(a) above. If leave is not due, such cases will be decided by CSIR only. The Fellow should not be allowed to proceed on leave to visit abroad for attending conferences/seminars etc. without prior approval of the CSIR well in advance. The entire duration of such foreign visits if funded by any national/international agency, whether partially or fully, would be treated as leave without stipend.

c) Women Fellows with less than two surviving children are entitled to full stipend plus HRA, during the period of absence 180 days on grounds of maternity. Such leave shall be sanctioned by the Guide under intimation to CSIR. The Fellowship amount for leave period will be paid after the fellow resumes duty and submits a medical certificate in support of actual confinement. It is expected that the Fellow will make up for the research work during the remaining tenure.

d) Male Fellows of CSIR with less than two surviving children are entitled for 15 days paternity leave during confinement of his wife on submission of relevant documentary proof.

16. TRANSFER OF FELLOWSHIP

The fellow should carefully choose the host institution, guide/supervisor, availability of necessary infrastructural and other research facilities etc. to carry out his/her research before joining. **Request for transfer of fellowship will not be entertained except on compelling circumstances for which the fellow & his/her guide should submit proper justification. The No Objection Certificate should be produced by the Fellow/ Associate from supervisor and Head of Department of University/Institute from where transfer is sought and consent of the Guide/Host Institute where Fellowships is sought to be transferred by giving reasons of transfer. No fellow will be allowed to join another institute without seeking prior approval from CSIR for "transfer of fellowship" and if he/she joins elsewhere without approval of CSIR, his/her fellowship will be**

terminated. Fellowship/Associateship will stand terminated from the date of resignation. Further, no transfers will be allowed in the last six months of the tenure of fellowships & also after submission of Ph.D. thesis.

17. TERMINATION OF FELLOWSHIP

(a) Junior Research Fellowship /Senior Research Fellowship will be terminated from the date of viva-voce of PhD or on completion of fellowship tenure, whichever is earlier. The fellowship shall also stand terminated from the date the Fellow resigns and his/her resignation has been accepted by CSIR. The Fellowship may be terminated by the CSIR on the recommendation of the Supervisor and Head of the Department/Institution. The fellowship may also be terminated if the institution where it is refuses to continue to provide facilities to the fellow on disciplinary grounds and so informs CSIR.

(b) If a fellow leaves without permission, stipend due at any time shall not be paid to him/her by the Institution, till all University and other dues are cleared and certified by the University/Institution Responsibility in such cases shall be that of the University/Institution concerned.

(c) The unspent balance of grant lying with the Institution at any time due to termination/ resignation/transfer of fellowship of a Fellow/Leave sanctioned without stipend/interest earned on grants released by CSIR must be refunded to CSIR immediately by means of a demand draft in favor of Deputy Secretary, EMR, CSIR Complex, Delhi.

(d) Research Fellows must settle their fellowship claims within one year of leaving the Fellowship. No claim will be admitted by CSIR after one year of leaving the Fellowship.

18. ACCOMMODATION / HRA

All Research Fellows may be allowed hostel accommodation wherever available and those residing in hostel provided by University/Institute will not be eligible for HRA. Reimbursement of hostel fee is not permissible. Where this is not possible, house rent allowance will be allowed as per the rules of the host institutions. In no case it should exceed the rates payable to Central Government Employees in that area. The basis for calculating HRA will be the actual stipend of the Research Fellow. The concerned institution will send HRA claim bill, in triplicate separately in respect of the Fellows who fulfill the requisite conditions of the host institution.

19. MEDICAL BENEFITS

(a) All Research Fellows may be provided medical facility as per Central /State Government Medical norms. This will be limited to the fellow only and not for his/her family members/dependents.

(b) The host institute may get the fellows/associates medically examined at the time of joining or thereafter.

20. OVERHEAD CHARGES

(a) For maintaining and timely submission of the accounts of CSIR grants, the beneficiary University/Institution is entitled to claim from CSIR the overhead charges at the following rates.

i) For Research Fellows: Rs.500/- per year per fellow without any ceiling on the total amount.

ii) The rates are made applicable from the financial year 1998-99 onwards.

(b) The admissibility of the overhead charges shall be subject to the timely submission (within one month) of the following statement/documents to CSIR.

i) Consolidated list of research fellows/associates working/terminated/ transferred/ resigned in the particular year with their date of termination/transfer/resignation of fellowship/associateship.

ii) Year-wise information with respect to the PhD degrees awarded to CSIR Research Fellows (JRF/SRF)/PhD theses submitted by CSIR Research Fellows (JRF/SRF)

iii) Consolidated utilization certificate (**Annexure-VII**) in respect of all the fellows during the financial year in question.

iv) Statement of Receipt & Expenditure (**Annexure-VIII**) of CSIR grants head-wise and year-wise. Audited statement by statutory auditors or government auditors may be sent later on.

v) Details of refunds of unspent balance of terminated Fellowships/Associateships, transferred Fellowships/Associateships, scholars who resigned during the year/Leave sanctioned to fellow(s) without and the Interest Earned on Grants released by CSIR along with cheque/draft number, date & amp issuing bank branch etc.

vi) Abstract of claim for overhead charges.

(c) Payment of the overhead charges to the employees maintaining accounts of CSIR shall be made only on authorization by CSIR and on receipt of the statement/documents mentioned above.

(d) The utilization of overhead charges will be at the discretion of the institute/university.

21. DELEGATION OF POWERS TO DIRECTORS

The Director of CSIR laboratory/Institute is empowered to upgrade the JRF to SRF and extend the tenure of SRF and RA after following the prescribed procedure and eligibility. The order is to be issued by the laboratory and only a copy of the order is required to be sent to Head, HRDG for monitoring. Director is also empowered to sanction leave (without stipend also), accept resignation etc. under intimation to HRDG. This will apply in case of those Fellows/Associates who are awarded Fellowship/Associateship by HRD Group of CSIR. Director is also empowered to sanction leave without stipend to fellow/associate proceedings abroad upto the period of one year only under intimation to HEAD, HRDG. Director of CSIR Laboratory/Institute is also empowered to change the guide of a research fellow/associate under intimation to HRDG.

22. OTHER TERMS AND CONDITIONS

(a) CSIR may send whenever considered necessary its officers for reviewing the work of the fellows and Associates, inspection of accounts, attendance, etc, in Universities/Institutes where the Research Fellows/Associates are placed.

(b) Any kind of paid or honorary, part-or-full-time employment or private practice even in honorary capacity is not permissible during the tenure of Fellowship/Associateship.

(c) The stipend of research fellow/associate is exempt from the payment of income tax under 10(16) of IT Act

(d) These terms and conditions supersede all previous instructions issued in regard to JRF/SRF/RA. However, any relaxation would require approval of DG, CSIR. In all matters decision taken by CSIR shall be final.

Important Note: CSIR reserves the right to modify any of the conditions/guidelines mentioned above any time.

Annexure-/-

List of CSIR Laboratories and their important programmes

Sno	Name of CSIR Laboratory	Major Programmes/Thrust Areas	Website
1	Advanced Materials and Processes Research Institute (AMPRI), Bhopal, Madhya Pradesh	Design and development of light alloys, metal matrix & Polymeric composites; Sisal Fibre based technologies for eco-friendly wood substitute; Industrial waste utilization technologies; Water resource exploration, assessment and management; CAE-CAD-CAM, Integration and intelligent processing of engineering components; Disaster/ Accident related materials and modeling; Development and characterization of low cost building materials/components; Micro fluidics & fuel cells; Mineral processing & equipment design.	www.amori.res.in
2	Central Building Research Institute (CBRI), Roorkee, Uttarakhand	Providing S&T back-up to the problems of buildings and construction industries in the areas of housing, building materials, geotechnical & structural engineering, building physics and fire research & testing.	www.cbri.res.in
3	Centre for Cellular and Molecular Biology (CCMB), Hyderabad, Telangana	In basic research, the areas are- Biotechnology and Biomedicine, Genetics, Molecular Biology, Biochemistry & Biophysics, Genomics, Bioinformatics; Under socially relevant research, the areas are- DNA Fingerprinting, Conservation of endangered animals (wildlife) Molecular Diagnosis (Chromosome & DNA), Genetic diversity in tribal population in India	www.ccmb.res.in
4	Central Drug Research Institute (CDRI), Lucknow, Uttar Pradesh	The institute's basic objective is discovery and development of new drugs and contraceptive agents, and development of innovative, economic and environment friendly process technologies for known drugs and drug intermediates. The thrust of research is on tropical diseases, cardiovascular disorders, metabolic diseases, and some other problems such as ulcers. Synthetic routes as well as natural products are explored to obtain drugs. Natural products explored include terrestrial plants including Indian traditional remedies, and marine flora and fauna for search of novel molecules for drug development. The institute is equipped with latest facilities, infrastructure and expertise to utilize both conventional as well as target-based molecular approaches utilizing inputs of molecular and structural biology, genomics, proteomics, bioinformatics, etc. and by utilizing high throughput technologies.	www.cdri.res.in
5	Central Electrochemical Research Institute (CECRI), Karaikudi, Tamil Nadu	Fundamentals and Applied Research in the field of electrochemical power systems comprising batteries and fuel cells, corrosion science and engineering, electrochemicals, electrochemical material science, electrochemical instrumentation, electrochemicals and biosensors, industrial metal finishing and electrochemical pollution control.	www.cecri.res.in
6	Central Electronics and Engineering Research Institute (CEERI), Pillani, Rajasthan	Microelectromechanical Systems (MEMS) and Sensors, Photonic Components and Sub-system, Special Electron Tubes, Electronics for Society, Environment and Industry, Nano-Electronics.	www.ceeri.res.in
7	Central Food and Technological Research Institute (CFTRI), Mysore, Karnataka	Development of food products and processes for optimal utilization of country's agricultural produce; Value added convenience products; upgradation of traditional food technology & development of appropriate technologies for	www.cftri.com

		reducing/ eliminating post-harvest losses and shelf-life studies, biotechnology; basic research related to food additives, flavours, colorants, pre and probiotics, physical properties of foods, micronutrients, food toxicity and safety, food microbiology, food chemistry, enzymatic and molecular biology, bioactive materials, food packaging, GM food analysis and nutrigenomics.	
8	Central Glass & Ceramics Research Institute (CGCRI), Kolkata, West Bengal	Development of different varieties of specialty glasses including optical glass, optical materials, engineering and high temperature materials, ceramics for health care, ceramics for energy and environment, ceramic membrane technology, composites, low-cost building materials and traditional ceramics.	www.cgcri.res.in
9	Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow, Uttar Pradesh	<p>Conservation and utilization of genetic resources of medicinal and aromatic plants; Bioprospection and development of technologies for therapeutic, nutraceutical, agrichemical and health care products; Bio-village approach for mission programme on technology dissemination in geranium, rose, mints, rosemary and <i>Cymbopogon</i> grasses; Development of improved varieties and their agrotechnologies for priority plants.</p> <p>Development and up-scaling of processing technologies for in-demand and value added products; plant genomics and biotechnological improvements in <i>Catharanthus</i>, <i>Withania</i> and <i>Mentha</i> species; Plant tissue culture technology for developing high throughput regeneration and secondary metabolite production; Integrated nutrient and pest management strategies leading to near organic farming; Basic research in selected medicinal and aromatic plants for future exploitation. State-of-the-art research facility for biotechnology, quality and analytical testing.</p>	www.cimap.res.in
10	Central Institute for Mining & Fuel Research (CIMFR), Dhanbad, Jharkhand	<p>Development and adaptation of mass production technology in underground mining for safe and economic extraction of thick and/or steep seams.</p> <p>Mines safety: Monitoring for gas and fire; Development of wireless multimedia communication for Indian mines; Application of 'Robots' in difficult and risky situations; Detection and mapping of old and unapproachable workings and stabilization of unstable areas; Providing scientific support to 'Disaster Management' specially in underground coal mines.</p> <p>Environmental issues: Utilisation and disposal of fly ash; Developing a numerical-cum-statistical model for projecting environmental impacts of mining operation; Waste land management in mining areas.</p> <p>Alternative energy sources: Coal Bed Methane (CBM); Underground Coal Gasification (UCG).</p> <p>Perfecting ground control technology for tunneling & underground caverns; Augmentation of better indigenous reductant for steel making and other metallurgical purposes for inferior coals;</p> <p>Design and development of energy efficient coke oven including power generation from waste heat; Development of coal-based value added carbons of varied specification; Reduce dependence on petroleum feed stocks through conversion of coal or organic wastes into synthetic fuel and other chemicals/feed stocks.</p>	www.cimfr.nic.in
11	Central Leather Research Institute (CLRI), Chennai, Tamil Nadu	TDS control in leather processing, value Addition and cost control, Eco Benign leather processing, Material optimization, standardization and productivity enhancement studies, IT Enabled solutions for the leather	www.clri.org

		<p>products sector, New materials with improved properties product development and adaptation studies Design, Trend forecasting and industrialization of traditional art based products.</p> <p>Technological application for management of solidwastes from tanneries and effluent treatment plants and bioenergy generation. Study on econometric on environmental compliance of SMEs. Development of new methodologies and routes for organic synthesis and studies on better utilization of natural products. Development of newer tanning systems and leather processing methodologies. Biomaterials development and testing. IPR Management and tools and techniques for in-house IP acquisition & business processing, Tools and techniques for in-house applications of project management Academic education and vocational training programmes in capacity building, Innovation & design of new training programmes.</p> <p>Technology Standardization of Bloresources for & from leather, Environment Friendly Leather Processing, Development of specialty polymers- Leather Composites, IndustrialWaste Minimization and cleanup- Parchment like leather material from chrome shavings.</p>	
12	Central Mechanical Engineering Research Institute (CMERI), Durgapur, West Bengal	Robotics and Mechatronics, Advanced Manufacturing Technology, Rapid Prototyping and Tooling, Energy and Process Plants, Farm Machinery and Post Harvest Technology; Life Assessment Studies.	www.cmeri.res.in
13	Central Road Research Institute (CRRRI), Delhi	Characterisation and development of pavement materials, Pavement design and analysis, Pavement performance and maintenance management, Geotechnical investigation and ground improvement, Use of waste and marginal materials, Natural hazard management (landslide), High performance materials for roads and bridges, Bridges design and evaluation (including prestressed and cable stayed), Corrosion studies for bridges, Instrumented monitoring of bridges, Bridge maintenance management system, Bridge inspection and rehabilitation, Highway planning and asset management, Rural road network planning, GIS and remote sensing applications to highway planning and traffic engineering, Travel demand analysis and modeling, Road traffic safety and capacity, Transport economics and project appraisal, Social and environmental impact assessment, Intelligent transport system, Air quality modelling and source apportionment, GHG emission inventory and analysis, Development of instrumentation for highways and bridges.	www.crridom.gov.in
14	Central Scientific Instruments Organization (CSIO), Chandigarh	<p>Opto-Electronics (including Coherent Optics); Agri- Electronic Instrumentation; Instrumentation for Geo- Science & Disaster Mitigation; Medical Instrumentation; Micro Electro Mechanical Systems (MEMS) and Sensors for Diverse Applications; Instrumentation for Energy Management, Condition Monitoring and Quality Control;</p> <p>Biomolecular Electronics & Nanotechnology; Environmental Monitoring Instrumentation; Analytical Instrumentation; Plant & Machinery for Railway Safety; Services (Services & Maintenance of Instruments, Special Manpower Training, Testing & Calibration of Instruments/Components, Energy Audit, etc.); Networked Programmes for CSIR including Electronics for Societal Purposes; development of Key Technologies for Photonics and Opto-Electronics; Custom Tailored Special Materials etc.</p>	http://lcsio.res.in
15	Central Salt and Marine Chemical Research Institute	<i>Inorganic chemicals:</i> (i) Development of technologies for recovery of common salt, industrial salt, iodized salt, low sodium salt, and marine chemicals like potash,	www.csmcri.org

	(CSMCRI), Bhavnagar, Gujarat	<p>bromine, and magnesium chemicals. Design and layout of salt farm including salt engineering. Proto type device for improvement and quality control of salt. (ii) Development of technologies for specialty siliceous chemicals, zeolites, clayswaste utilization for value added products, recovery of metals from solid wastes. <i>Polymer and Membrane Science</i>: Preparation of reverse osmosis and electro dialysis membrane for safe drinking water. Devices for domestic water purification, concentrating aqueous herbal extracts, animal powdered desalination units. Development of spiral elements for large-scale sewage water treatment plants. Developments of resins for brine purifications, resins for nitrate, arsenic and fluoride removal.</p> <p>Bio-salinity: (i) Identification and cultivation of commercially important seaweeds, development of an innovative techniques for simultaneous preparation of carrageenan and liquid fertilizer, quality agarose, bacteriological grade agar, C-phyococyanin (Bio-pigment). Studies on environmental audit and marine impact assessment for scheduled Industry. (ii) Restoration of ecology of wastelands and saline lands. Basic research on plant physiology, biochemistry, molecular biology, agriculture chemistry and genetics. Assessment and performance of desert economic and halophytes plants.</p>	
16	Institute of Genomics and Integrative Biology (IGIB), Delhi	Allergy and Infectious Diseases, Genomics and Molecular Medicine, Gene Expression Profiling & Comparative Genomics, Genome Informatics, Proteomics and Structural Biology, Environmental Biotechnology Bioactive molecules and Technology Development Unit, Design and Synthesis of Nucleic Acid and Peptides.	www.igib.res.in
17	Institute of Himalayan Bioresources Technology (IHBT), Palampur, Himachal Pradesh	Floriculture tea sciences, biotechnologies and natural plant product Conservation Biology Cell and Tissue Culture Genomics, Proteomics, Natural Products Chemistry, Agro-Chemicals, Chemical Engineering, Plant Virology, Pesticide Residues, Diagnostics.	www.ihbt.res.in
18	Indian Institute of Chemical Biology (IICB), Kolkata, West Bengal	Natural products of medicinal, biological and industrial value and synthetic duplication of products of interest; development of innovative immunoassay techniques; gene regulation of hormones and their actions, genetic polymorphisms in pathology in Indian population, understanding the basis of parasitism and development of biotechnologies applicable to the diagnosis and chemotherapy of visceral leishmaniasis; investigation of the molecule basis of pathogenicity of <i>Vibrio cholerae</i> and development of novel approaches towards fertility control and regulation; delineation of the cellular and molecular basis of brain development and genesis and therapy of neurological diseases; investigation of gastric physiology; development of tissue-targeted drug-delivery systems; investigation of the molecular mechanism of biocatalysis; studies on carbohydrates, development of radiopharmaceuticals for myocardial imaging and renal and hepatobiliary studies; protein engineering models for self. Organizational phenomena in living systems, bioinformatics, molecular modelling and development of novel herbal medicines for common diseases.	www.iicb.res.in
19	Indian Institute of Chemical Technology (IICT), Hyderabad, Telangana	Development of technologies for Pesticides, Drugs, Pharmaceuticals, Organic Intermediates, Speciality and Fine Chemicals, Fluoro Organics. The major areas of interest to IICT are Natural Products Chemistry, Integrated Pest Management, Coal and Energy, Bioinformatics, Biology and Biotechnology, Gas-based Technologies.	www.iictindia.org
		Nanotechnologies, Molecular Modelling and combinatorial	

		Chemistry, lipid Sciences and Technologies, Organic Coatings and polymers, Supramolecular Chemistry, Peptidomimetics, Non-viral gene Delivery Systems, Biochemical and Environmental Engineering Sciences, Bio-transformations, Chemical and Engineering Sciences, Mechanical Engineering and Design, Chemical and Bio-evaluation, Simulation, Optimization and Control, Hazard and Risk Analysis Studies, Inorganic and Physical Chemistry, Pharmacology, Chemical and Instrumental Analysis, Catalysis and Material Sciences, Clean and Green Technologies with excellent infrastructure facilities, instrumental facilities, Pilot Plant facilities and Computer Centre.	
20	Indian Institute of Integrative Medicine (111M), Jammu, J&K	Agrotechnology of medicinal & aromatic plants, identification/authentication of medicinal plants, synthetic (chiral) and natural product chemistry, herbal drugs, selected biological screening, bioprospecting microbial biodiversity for industrially useful enzymes, molecular biology & gene cloning fermentation technology, quality control and standardization of herbal drugs, establishment of gene bank, bioinformatics, pharmacology phytochemicals/herbal drugs/ nutraceuticals research. Chemical Engineering & Design backup for packaging of technologies.	www.iiim.res.in
21	Indian Institute of Petroleum (IIP), Dehradun, Uttarakhand	Petroleum Refining technology, development of separation processes, conversion processes, petroleum products applications, development of chemicals and biotechnology.	www.iip.res.in
22	Indian Institute of Toxicological Research (IITR), Lucknow, Uttar Pradesh	Neurotoxicology, environmental health, ecotoxicology, phototoxicology, epidemiology, immunotoxicology, developmental toxicology, cardiovascular toxicology, pulmonary toxicology, environmental carcinogenesis, environmental monitoring and environmental biotechnology heavy metals, industrial dusts and fibres, plastics and polymers, hydrocarbons, pesticides, detergents, dyes and food additives.	www.iitrindia.org
23	Institute of Minerals & Materials Technology (IMMT), Bhubaneswar, Orissa	Mineral Processing Technology, Extractive Metallurgy, preparation of Special Materials and alloys, Design & Project engineering, preparation of Inorganic and Organic chemicals, Energy & Environment management, Cultivation & Utilization of aromatic, medicinal and other economic plants; and development of new analytical methods.	www.immt.res.in
24	Institute of Microbial Technology (IMTECH), Chandigarh	Molecular biology and Microbial Genetics; protein science and engineering; Fermentation technology including applied microbiology; cell biology and immunology; Operation and maintenance of Microbial Type Culture Collection and Gene Bank - International Depository Authority, National facilities on Biochemical Engineering Research and Process Development Centre and Bioinformatics Centre on Protein Engineering.	www.imtech.res.in
25	National Aerospace Laboratory (NAL), Bangalore, Karnataka	Advanced Flow diagnostics, High pressure wind tunnel testing, Jet acoustics, Computational flow solutions and techniques for aero and space vehicles, Aerodynamics research on micro air vehicles as well as space vehicles; Developing airport instrumentation, advanced avionics systems, Control laws for aircraft, Aircraft parameter identification and flight simulator, Aero elastic testing, development of powered glider engines, Combustion engine development for unmanned air vehicle, High speed combustion for hypersonic vehicles, Fuel Cells; Computational electromagnetic research, Development of	www.nal.res.in

		parallel super computing platform, Acoustics studies on space vehicles and satellites, Surface modification techniques including Nano technology: development & application to aerospace as well as non aerospace areas (non-renewable energy viz., solar), Wind turbine development; Failure analysis and Aircraft Accident Investigation, Full scale aircraft fatigue testing and ground vibration testing, Composite materials characterisation and fabrication, industrial carbon fibre facility, Autoclave development, structural health monitoring, Smart material research and development: Design and development of micro air vehicles, General Aviation aircraft and Civil aircraft.	
26	National Botanical Research Institute (NBRI), Lucknow, Uttar Pradesh	Conservation and conversion of non-crop plant genetic resources into economic wealth with appropriate S&T intervention. Development of value added products. Plant-based Herbal Formulations, Pharmacognosy, Ethnopharmacology, Nutraceuticals, Plant Biotechnology Plant Molecular Biology & Genetic Engineering, Environmental Sciences Biofuel Eco-Restoration, Tree Biology, Biomass Biology, Biodiversity, Biofertilizer, Rehabilitation of degraded soils, mined sites, Agrotechnologies for economically important plants wasteland utilization, Conservation Biology, Floriculture, Medicinal Plants, Eco- education, Bioinformatics, Taxonomy, Biology of Lower Plants, Environmental Monitoring, Phytochemistry, Entomology, Genetics.	www.nbri.res.in
27	National Chemical Laboratory (NCL), Pune, Maharashtra	Catalysis, biotechnology, organic chemical technology and polymers and other high performance materials. Basic research in chemistry and biochemistry.	www.ncl.res.in
28	National Environmental Engineering Research Institute (NEERI), Nagpur, Maharashtra	Pollution monitoring & mitigation systems and devices Industrial waste minimization and cleanup; Developing green technologies for environment; Environmental impact and risk assessment and audit; Molecular environmental nanotechnology; Environmental nanotechnology; Genomics enabled environmental biotechnology; Predictive modeling of multimedia environmental quality; Quantification of environmental complexity; Vulnerability of water resources.	www.neeri.res.in
29	North-East Institute of Science and Technology (NEIST), Jorhat, Assam	Medicinal Chemistry, Natural Products Chemistry, Synthetic Organic Chemistry, Biotechnology, Medicinal, Aromatic & Economic Plants, Geosciences, petroleum & Natural Gas, Material Science, Coal, Applied Civil Engineering, Chemical Engineering, Cellulose Pulp & Paper and Utilization of Mineral Resources.	www.rrjorhat.res.in
30	National Geographical Research Institute (NGRI), Hyderabad, Andhra Pradesh	Seismology, lithosphere, earth's interior and environment, ground water, geophysical exploration and geophysical instrumentation.	www.ngri.ora.in
31	National Institute of Interdisciplinary Science & Technology (NIIST), Thiruvananthapuram, Kerala	Chemistry of Natural products, agro-processing and specialty agrochemicals related to spices and oil seeds, Bioactive compounds from natural sources, Biochemicals and related products through enzyme engineering, materials processing for value addition of clays and beach sand minerals oxide fine ceramics, metal alloys and composites, simulation of processes, photochemical systems including solar energy conversion, low cost building materials from agro and industrial wastes, calibration of procedures for analysis of toxic pollutants and waste water technology.	www.niist.res.in
32	National Institute of Oceanography (NIO), Goa	International Geosphere-Biosphere Programme, surveys for polymetallic nodules, oceanographic studies of the Antarctic waters, island development programme, coastal zone management, resources and parameters mapping of the EEZ of India, air-sea interaction studies, drugs from the sea, marine	www.nio.ora

		biotechnology, biofouling and corrosion studies, technologies for rural development, development of marine instruments, and development of acoustic and remote sensing techniques for monitoring the oceans.	
33	National Institute of Science Communication and Information Resources (NISCAIR), Delhi	Three major Network Programmes- Traditional Knowledge Digital Library to protect against biopiracy; National Science Digital Library to provide on-line S&T curriculum books to college students and E-Journals; Consortia to provide research journals at the scientists desk in all CSIR laboratories; Dissemination of S & T information to Scientific Community; Popularization of Science amongst school children and general public; Spreading IT literacy; Information Resources; Information Products and Services; and Training Programs.	www.niscair.res.in
34	National Institute of Science and Technology Development Studies (NISTADS), Delhi	IPR: IPR & development studies; ITBT: Information technology and biotechnology: Policy matters and ethical concerns; Innovation policy; INKS: Innovation & knowledge society; TIARA: Technology & integrated assistance to rural artisans; SD: Sustainable development; STEVS: Science-technology-education valuation studies; HPS: History & philosophy of science/Public awareness of science.	http://nistads.res.in
35	National Metallurgical Laboratory (NML), Jamshedpur, Jharkhand	Minerals & Metals: Bio-mineral processing for extraction of metal values from ores/concentrate/wastes, Developing capabilities In Advanced Manufacturing Technologies, processing of Polymetallic sea nodules for recovery of valuable metals, Development of an eco-friendly cokeless cupola, Peritectic transformation in multi component iron based alloys during continuous casting, Coal characterization and resource quality assessment, Indigenous technology for optimizing Blast Furnace performance, Mechanical activation in improving the blended cement processing, Developing novel cements based on mechanically activated slag, fuel cells based on hydrogen, innovative technology for titanium extraction, and development of titanium alloys. Materials: Development of coatings for improved corrosion resistance of steel reinforcement bars Fabrication of oxidation & wear coating by spray technique for aerospace application, ceramic-ceramic/metal brazing alloys, nano-structure for novel electronics, magnetic and optical applications, Fabrication of super hard coatings, Bio-mimetic synthesis for bio material for implants and super paramagnetic particles for diagnostic applications, Ecology and Environment: Comprehensive assessment of water quality, Reduction in green house emission in metallurgical sector, Development of cleaner processes/technologies for metallurgical industries.	www.nmlindia.org
36	National Physical Laboratory (NPL), Delhi	Measurements, standards and calibration, electronic & engineering materials, radio and atmospheric physics, cryogenics and superconductivity, applied projects like thin films, optical coatings, xeroradiography, high-pressure metal forming & high-powered ultrasonic systems, and underwater acoustic devices, non-conventional energy devices, and theoretical condensed matter physics.	www.nplindia.org
37	Structural Engineering Research Centre (SERC), Chennai, Tamil Nadu	Structural dynamics, including studies on vibration, blast and impact, earthquake engineering, bridge engineering, steel structures, experimental mechanics, wind engineering, computer-aided analysis and design of structures, fatigue and fracture, structural concretes and concrete composites, towers and tower like structures, health monitoring and safety audit, and repair, retrofit and rehabilitation of structures.	www.serc.res.in
38	CSIR Fourth Paradigm	Mathematical Modelling for Climate, Environmental and	http://www.csir4oi.in/index.ofo/en/

	<p>Institute {FormerlyCSIR Centre for Mathematical Modeling & Computer Simulation {CMMACS) }, Bangalore, Kamataka</p>	<p>Engineering Problems, Long-range Monsoon Forecasting, Advance Forecasting of Cyclones, Multi-scale Environmental Modeling</p> <p>Ocean Primary Productivity and Chemistry, Global Ocean Modeling, Earthquake Hazard Monitoring and Modeling, GPS Measurements,</p> <p>Computational Structural Mechanics, Industrial Fluid Flo w Modeling and Analysis of Co mplex, Physical and Industrial Systems. Network Security and High Performance Computing</p>
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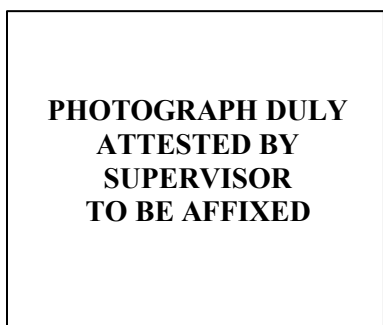


**COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH
HUMAN RESOURCE DEVELOPMENT GROUP
(EXTRAMURAL RESEARCH DIVISION)**

**UNDERTAKING BY A RESEARCH FELLOW/ ASSOCIATE ON ACCEPTANCE OF THE AWARD OF
RESEARCH FELLOWSHIP/ ASSOCIATESHIP**

I Son/Daughter/Wife of Shri resident of have been awarded the Junior/Senior Research Fellowship/ SPM Fellow/Research Associateship/CSIR-Nehru PDF of the Council of Scientific & Industrial Research (hereinafter called Council). I accept the award and undertake that:

- I. During the entire tenure of the Fellowship/Associateship, I shall abide by the rules and regulations of the Council. Any change in rules and regulations by the Council in future will be applicable to me.
- II. I shall devote full time to research during the tenure of Fellowship/Associateship except as provided in the rules.
- III. I shall obtain the approval of the Council before accepting any award or allowance, if offered to me during the tenure of Fellowship/Associateship.
- IV. I shall prepare the progress report of my work of at the end of each year and communicate it to the Council through the Guide / Supervisor / Faculty Member.
- V. I shall send two copies of a detailed consolidated report of research work through the Supervisor on termination of the Fellowship / Associateship.
- VI. I also hereby declare that if the results of research are such that can be exploited commercially by taking a patent or otherwise commercial exploitation and patent rights will be decided/governed as per the rules for Fellowships/Associateships on Patents available on www.csirhrdg.res.in.
- VII. I have gone through CSIR Terms & Conditions & have clearly understood that the fellowship is for a fixed period / tenure of 2/3/4 Years for JRF/SRF i.e. a total of 5 Years for JRF+SRF and for Research Associates, initially for a period of one year, extendable on yearly basis at the discretion of CSIR upto a maximum of three years. For CSIR Nehru PDF, the tenure is 2 years whereas the tenure for SPM Fellow is 5 years.
- VIII. **I further understand clearly that I shall have no claim whatsoever for regular / permanent absorption on expiry of Fellowship / Associateship.**



Signature of the Research Fellow/Associate with date

Name of Supervisor/guide:

Email address of Supervisor/guide:

**Signature of Supervisor/guide:
with Official Seal & Date**

I report myself on duty as Junior/Senior Research Fellow/SPM Fellow/Research Associate/CSIR-Nehru PDF in the Forenoon/ Afternoon of (Date) at(Name of Department) of(Name of University / Institute / College). **In JRF/SPMF cases, date of joining will be the date of issue of JRF (NET) certificate or effective date of fellowship or actual date of joining whichever is later. Without receiving NET certificate from Examination Unit, the candidate cannot join and the joining report in such cases will not be accepted.**

Signature of the Research Fellow/Associate with date

**Signature of the Head of the Deptt. /
Dean of the Faculty/Registrar
With Official Seal & Date**

Declaration by the Research Fellow/Associate

I, Shri/Mrs/Kumari/Dr declare as under:

1. That as a recipient of the Council's Fellowship/Associateship, I shall be governed by the disciplinary regulations of the host institute where I have proposed to avail the CSIR fellowship/associateship for pursuing my doctoral/postdoctoral research work.
2. That I have never been punished or debarred from government (central/state), autonomous organization and CSIR service.
3. That my fellowship will be liable to cancellation for any kind of misconduct.

{Signature of the Research Fellow/Associate}

Roll No. _____
Date of Exam _____

ATTESTATION

(Name of the Candidate)

I recommend the candidate for the award of Junior Research Fellowship and undertake to guide him/her on:

(Please indicate topic)

For the duration of fellowship in case he/she is awarded the Fellowship by CSIR. Necessary facilities for research on the problem are available in the Institution. I also certify that I am authorized to guide Research Fellows under the University Rules. I have personally verified the concern degree, marks sheets and other relevant testimonials, which have been enclosed herewith by the candidates with reference to their original.

Signature Name and
Designation of Guide with
Name of the Univ./Instt.

Date _____

Necessary facilities are available and will be provided to the applicant for research during the tenure of Fellowship in case of his/her selection. The candidate will be allowed to join the Fellowship immediately on receiving the award and registered in the University for higher degree.

Signature & Name of Head of
the Department/Institution
with seal

Date _____

1. Topic of Research:

2. Board/Area of Research:

<u>Subject</u>	<u>Code No.</u>	<u>Subject</u>	<u>Code No.</u>
Physics	01	Biophysics	11
Pure Mathematics	02	Medical & Allied Sciences	12
Applied Mathematics	03	Botany	13
Statistics & Operational Res.	04	Zoology	14
Analytical Chemistry	05	Geology	15
Applied/Industrial Chem.	06	Geophysics	16
Inorganic Chemistry	07	Geochemistry	17
Physical Chemistry	08	Meteorology & Oceanography	18
Organic Chemistry	09	Engineering & Tech.	19
Biochemistry	10	Others	20

**Subject Code number may be ticked/encircled.

3. The proposed work indicating overall aim of the research and how it is to be progressed may be described briefly (in the space provided below)

No.

Date:

PhD Registration Certificate

Certified that Mr/Ms is registered to PhD
..... onvide Registration no..... under
the supervision of Dr..... The approved title of his/her PhD
thesis is "....."

(Registrar/Dy. Registrar/Dean)

Official Seal:

(Important Note: the above certificate should be furnished on the letterhead of the institute)

GENERAL GUIDELINES

To facilitate speedy day to day working of the research Fellowships/Associateships of CSIR, the following power can be exercised by the guides¹ of Research Fellow/ Associates in concurrence with the Head of the Department/ Dean of the Faculty/ Director/ /Vice Chancellor.

1. Sanctioning of leave when it is due.

2. Approving of tours of research Fellows/ Associates for:

- i. Attending Symposia/Seminars/Conferences in India provided the Fellows/Associates are presenting paper that have been accepted and for attending Workshops/Training Courses relevant to the research projects;
- ii. Field work connected with research;
- iii. Computation work;
- iv. Consulting rare reference volumes in the nearest University/Research Institution library.

3. Utilization of contingent grant for the following:

- i. Acquisition of books and documents of relevance to the research topic provided these are not available in the library of the University/Institute².
- ii. Towards meeting actual train fare and DA³ during tours the research Fellows/ Associate will be entitled to TA/DA as admissible in case of Government servants drawing (Pre-Revised) basic pay @ Rs.8000/- pm⁴ & above but below Rs.16400 for RAs and Rs.4100 and above but below Rs.6500 for Research Fellows. However, DA will be limited to 50 days in a year.
- iii. Towards meeting TA/DA limited to first class/ entitled class rail fare of outside expert members of assessment Committee⁵.
- iv. Chemical/consumable items required for the research work.
- v. Equipment required exclusively for research.
- vi. Photographic materials for research or thesis work.
- vii. Computation charges.
- viii. Reprints/ Off- print of research papers.
- ix. Stationery and postal charges⁵.
- x. Typing of research papers if computer facility is not available in the host institution.
- xi. Registration fee for attending conference in India and abroad.
- xii. Any other purpose, specially authorized by CSIR.
- xiii. Contingent grant can be utilized for registration of Ph. D and submission of thesis.

Contingent grant cannot be utilized for:

- i. Foreign travel or other expenses for visit abroad.
- ii. Stationery items such as: pen, pencils, folders, file covers, carbon papers etc. and furniture items.

¹Senior Faculty member (or supervisor) for Research Associates

²The requisition is to be recommended by the supervisor and approved by the Head of the Department. The book will become the property of the University/ Institution's Library after purchase and could be issued to the Supervisor/ Fellow/Associates after accession for use by the indenting Fellow/Associates till his/ her research Fellowship/Associateship is over. Normally not more than 25% of the total annual contingent grant can be utilized for purpose.

³The calculation of the daily allowance will be made from the date of commencement of the journey to the date he/ she returns to the Headquarters.

⁴It is expected that Assessment Committee meetings be so fixed that services of experts can be utilized while they are on a visit to that institution.

⁵Not to exceed 20% of the contingent grant.

N.B. No expenditure can be incurred for purchasing furniture and office equipment.

THREE MEMBERS ASSESSMENT COMMITTEE REPORT FOR JRF

ASSESSMENT FOR UPGRADATION OF MR/MRS _____ JRF WORKING
AT _____ ON COMPLETION OF TWO YEARS. THE CONSTITUTION OF
THE COMMITTEE

- | | | |
|----|---|--|
| 1. | DR _____
PROFESSOR/ASSOCIATE
PROFESSOR DEPARTMENT
UNIVERSITY/ INSTITUTE | EXTERNAL MEMBER
(must be from outside of the
university/institute) |
| 2. | HEAD OF THE DEPARTMENT
(IN CASE HOD IS THE GUIDE, THEN
DEAN OR ANY OTHER SENIOR
MEMBER OF THE FACULTY) | MEMBER |
| 3. | GUIDE/SUPERVISOR | MEMBER |

DATE, TIME AND VENUE OF ASSESSMENT/INTERVIEW

ASSESSMENT OF THE COMMITTEE

RECOMMENDATIONS*

(Strike out whichever is not admissible)

In view of the outstanding/ very good/ satisfactory performance of the JRF, and also the fact that he/she has published work to his/her credit.

1. Mr/Mrs _____ may be upgraded as SRF(NET) and his/her stipend may be desired to Rs. 35,000/- per month.
2. Mr/Mrs _____ may be allowed to continue for third year on the existing rate of stipend.

MEMBER
(EXTERNAL)

MEMBER
GUIDE

MEMBER
(HOD)

Proforma for Annual Progress Report of Research Fellow/Associate

1. Name of the Fellow/Associate:
 2. Email Address of the Fellow/Associate:
 3. Nature of Fellowship (JRF(NET)/SRF(NET)/SRF/RA):
 4. CSIR Award No.:
 5. Name, designation and address of Guide:
 6. Place of work (Names of the Department/Institute/University/College, etc.):
 7. Date of joining:
 8. Period upto which fellowship is tenable:
 9. Date of registration for higher degree (PhD):
 10. (a) Topic of Research :
(b) Broad Subject Area :
 11. Objective in undertaking work :
 12. Period of Report: From to
 13. Attendance :
(a) Total No. of working days during the period under report:
(b) Out of these, total no. of days in which the Fellow/Associate was present and worked:
(c) Number of days for which leave was sanctioned:
 14. Detailed report about the research work done during the above mentioned period. This should include quantitative results of research presented in Table(s)/Figure(s), discussion and conclusions drawn (separate sheets should be attached):
 15. Summary of research work done during this period (in not more than 300 words: a separate sheet may be attached):
 16. Plan of work for the next year (separate sheet may be attached):
 17. Research papers published/accepted for publication/communicated for publication (Details of authors, title, journal, volume, page number and reprints of published papers/preprints of accepted papers/and manuscripts papers must be sent):
 18. It is affirmed that I have devoted my full time to research and that I did not take up any other paper. paid or unpaid without taking written permission from CSIR. It is also certified that due acknowledgement of CSIR Financial assistance has been made in the published
- Date: _____ Signature of Fellow/Associate
19. Overall assessment and comment of the Guide:
(a) It is certified that the information provided above and in separate pages enclosed with this report by the Fellow/Associate is correct to the best of my acknowledge and belief.
(b) My specific comments about the performance of above Fellow/Associate are as under :-
- Date: _____ Signature of the Guide/Supervisor/Head

THREE MEMBERS ASSESSMENT COMMITTEEREPORT FOR SRF-NET

ASSESSMENT OF MR/MS _____ SRF-NET WORKING AT

_____ ON COMPLETION OF THIRD(evaluation report only by research supervisor)/FOURTH YEAR.

- | | | |
|----|---|--|
| 1. | DR _____
PROFESSOR/ASSOCIATE
PROFESSOR DEPARTMENT
UNIVERSITY/ INSTITUTE | EXTERNAL MEMBER
(must be from outside of the
university/institute) |
| 2. | HEAD OF THE DEPARTMENT
(IN CASE HOD IS THE GUIDE, THEN
DEAN OR ANY OTHER SENIOR
MEMBER OF THE FACULTY) | MEMBER |
| 3. | GUIDE/SUPERVISOR | MEMBER |

DATE, TIME AND VENUE OF ASSESSMENT/INTERVIEW

ASSESSMENT OF THE COMMITTEE

RECOMMENDATIONS

(Strike out whichever is not applicable)

In view of the outstanding/ very good/ satisfactory performance of the SRF-NET, and also the fact that he/she has published work to his/her credit, the Committee makes the following recommendations.

1. Mr/Mrs _____ may be allowed to continue for fourth/fifth year.

MEMBER
(EXTERNAL)

MEMBER
(HOD)

MEMBER
GUIDE

Human Resource Development Group (HRDG)
Council of Scientific & Industrial Research
Grant-in-aid Claim Bill

Part-A: Institutional Release of Grants

Date: _____

(i) Fellowships/Associateships

Contingency Period From ----- To -----

Name of the Institution	Name of the Bank of the Institution with IFSC Code of bank branch	Bank Account No.	Nature of Bank Account (Saving Current)	Name of the research fellow	HRDG(CSIR) sanction letter no.	Opening balance as on first day of current financial year	Fellowship Contingency Grant for the current year (B)	Contingency Grant demanded from CSIR (B-A)

(ii) EMR Projects (Sponsored/General/Emeritus Scientists)

Name of Institution	Name of the Bank of the Institution with IFSC Code of	Bank Account No.	Nature of Bank Account (Saving Current)	Name of the Principal Investigator (PI)/Emerit	HRDG(CSIR) sanction letter no.	.Opening balance as on first day of current financial year	EMR Project (Sponsored/General/Emeritus Scientist) Grant				Total Grant Claimed (E)
							Contingency	Equipments	Travel	Overhead Charges, if any	
						(O)	(A)	(B)	(C)	(D)	(E=A+B+C+D-O)

*-The claim for the manpower engagement in the EMR funded project and honorarium to Emeritus Scientist will be submitted in Part-B separately.

(iii) SSB Fellowship Grant /YSA Project Grants

Name of Institution	Name of the Bank of the Institution with IFSC Code of bank branch	Bank Account No.	Nature of Bank Account (Saving Current)	HRDG(CSIR) sanction letter no.	SSB Fellowship Grant /YSA Project Grants						Total Grants Claimed (F)
					Opening balance as on first day of the financial year	Travel	Contingency	Equipment	Chemicals	Overheads Charges,	
					(O)	(A)	(B)	(C)	(D)	(E)	(F=A+B+C+D+E-O)

Name and Signature of Registrar/Principal/Administrative Officer/Finance & Accounts Officer
With Official Seal and date

Important: Separate claim bills for Fellowships & Associateships/EMR Projects/SSB Fellowship Grants/YSA Project Grants/Symposia Grant etc. are to be submitted.

Human Resource Development Group (HRDG)
Council of Scientific & Industrial Research
Grant-in-aid Claim Bill

Part-B: Individual Release of Grants

Date:

Name of the host institute:

Sno	Name of the beneficiary (Research fellow)/other awardee and the position held by him/her	HRDG(CSIR) sanction letter no./file no.	Monthly amount of pay/fellowship/honorarium, etc.	Sanctioned tenure upto & CSIR-HRDG/CSIR Laboratory OM No. with date	Bank account number of the beneficiary seeded with the Aadhar Number	Name of the bank with IFSC Code where the beneficiary has his/her account	Aadhar Number of the Beneficiary	Period of Payment		Grant claimed					Total number of days the beneficiary remained absent (without pay) during the month	Amount deducted on account of without pay	Any other deductions, please specify (Licence fee/hostel fee etc.)	Net amount payable
								From	To	Fellowship	HRA	Honorarium	Any other amount payable	Gross amount				

Certified that the Research Fellow has regularly attended the office to pursue his/her research work and availed..... days leave during the month (Please see leave rule available on HRDG-CSIR website www.csirhrdg.res.in).

Name and Signature of Registrar/Principal/Administrative Officer/Finance & Accounts Officer
With Official Seal and date

Important: Separate claim bills for Fellowships & Associateships/EMR Projects/SSB Awards/YSA Awards/Travel Grants/Emeritus Scientist/Research Fellows in EMR funded projects, etc.

FORM GFR 19-A
FORM OF UTILIZATION CERTIFICATION

Sl. No	Particulars	Letter No./Bank Transaction ID Nos. & Date	Amount	Certified that out of Rs.....of grant-in-aid released by Extramural Research (EMR) Division of HRDG (CSIR) vide letter No./Bank Transaction ID Nos. dated..... as given in the margin during the year..... and Rs.....earned/accrued as interest from bank on grants released by CSIR and Rs. on account of unspent balance of the previous year, a sum of Rs.....has been utilized for the purpose for which it was sanctioned and that the balance of Rs.....remaining unutilized at the end of the year has been surrendered to EMR, HRDG (CSIR) (vide letter No....., DD/Cheque No..... dated.....)/ will be adjusted towards the grant-in-aid payable during the next year.
1.	Grants received from CSIR during the year (please provide details of all letters/ bank transactions IDs with dates)			
2.	Unspent balance of previous year			
3.	Interest earned/ accrued on CSIR grant			
Total				

2. Certified that I have satisfied myself that the conditions on which the grants-in-aid was sanctioned have been duly fulfilled/are being fulfilled and that I have exercised the following checks to see that the money was actually utilized for the purpose for which it was sanctioned. The detail expenditure incurred during the year is shown in the enclosed "Statement of Accounts (Receipt & Payment)".

Kind s of Checks exercised*

1. Vouchers and Statement of Accounts
2. Grant-in-Aid
3. Expenditure Register
4. Bank statements for accrual of interest
- 5.
- 6.

Signature of the Authorised Officer
Designation.....
Date _____
Seal

(Countersigning Authority)
Date.....
Seal

The Utilization certificate and statement of account should be signed by Head of the Finance & Accounts and countersigned by Registrar/Dean/Director of the University/Institute.

Annexure-X

Proforma for Progress Report of Research Fellow/Associate for the entire duration of Fellowship/Associateship to be submitted on completion/termination of Fellowship/Associateship

1. Name of the Fellow/Associate :
- 1a. Email address of the Fellow/Associate:
2. Nature of Fellowship {JRF(NET)/SRF(NET)/SRF/RA}:
3. CSIR Award No. :
4. Name, designation and address of Guide:
5. Place of work (names of the Department, Institute/University/College):
6. Date of Joining:
7. Date of relinquishing the Fellowship/Associateship:
8. Date of registration for higher degree (PhD):
9. (a) Topic of Research:
(b) Broad Subject area:
10. Objective in undertaking research:
11. Period of Fellowship/Associateship availed (in Years & Months):
12. Attendance record:
13. Summary of work done. Actual research achievement may be summarized in about 500 to 1000 words:
14. (a) Consolidated report of work done during the entire period of Fellowship/Associateship. This should bring out clearly the original objectives and how far these have been achieved, emphasizing the salient features of the work done by giving quantitative data and its interpretation.
(b) Research paper published/accepted for publication/communicated for publication (Full details of authors, title, journal, volume, year and page number may be given and reprints/preprints of research papers must be enclosed. If some papers are submitted for publication or are published after submission of Annexure-VIII, their

copies may be sent to EMR Division as soon as available by giving reference of CSIR Award No. This may be ensured by the Guide/Supervisor.

(c) Whether PhD thesis has been submitted: Yes/No

(d) Which higher degree has been obtained:

15. In case of the Fellowship/Associateship has not been availed for the full tenure, the reasons for discontinuing may be given, such as getting a job, going abroad, lack of facilities/guidance, personal factors, etc.

16. Whether the works is of any applied importance and, if so, whether patent has been/can be taken? If yes, whether CSIR has been approached.

17. Future correspondence address of the Fellow/Associate:

18. Any remark/comment:

Date:

Signature of Fellow/Associate

19. Overall assessment and comments of the guide:

Date:

Signature of the Guide/Supervisor/Head