



छत्तीसगढ़ विज्ञान एवं प्रौद्योगिकी परिषद

Chhattisgarh Council of Science and Technology

विज्ञान भवन, विधान सभा रोड, सड्डु, रायपुर (छ.ग) 492 014

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The Chhattisgarh Council of Science and Technology invites applications from eligible candidates for Project Scientist, Research Associate, Senior Research Fellow, Junior Research Fellow for the duration of the Project for the Project executed at the Space Use Center of the Science and Technology Council.

Project Name: Use of Geoinformatics in Rural Road Project under PMJSY (Code No. 01)

Expected work:

The Project work includes online / online screen (computer) satellite data interpretation, field verification, smart phone based inventory, geo-database preparation, map preparation, report preparation, other short term Project work etc.

- **Research Associate-3:** Coordinate with the team for field verification of geodatabase, assisting in quality checking, maintain quality as per Project standards and Project progress, creation of geodatabase, etc
- **Senior Research Fellow:** Create geodatabase, field work, quality checking, matching attributes with geodatabase, handling of inventory using smart phones, etc.
- **Junior Research Fellow:** Construction of geodatabase, field work, quality checking, handling of inventory using smart phones, etc.

Details of position are as follows

Fellowship Name	Per month emoluments and post number	Qualifications
Research Associate-3	Rs. 40,000 / - Number of staff 02	Post Graduation in Geography / Geology. Training in Remote Sensing / GIS / Geo-Informatics from a recognized institute. Five years work experience in Remote Sensing / GIS
Senior Research Fellow	Rs. 28,000 / - Number of staff 01	Post Graduation in Geography / Geology. Training in remote sensing / GIS / Geo- Informatics from a recognized institute. Three years work experience in Remote Sensing / GIS
Junior Research Fellow	Rs. 25,000 / - Number of staff 02	Post Graduate degree in Geography / Geology / Computer Application. Training in Remote Sensing / GIS / Geo-Informatics from a recognized institute.

Project Name: SIS-DP Update Project (Code No. 02)

Expected work

The format of Project work includes online / online screen (computer) satellite data interpretation, field verification, smart phone based inventory, geo-database preparation, map preparation and report preparation, other short term Project work etc. The required work of the Fellow is as follows: -

- **Research Associate-3** Coordination and validation of the work of the Project team, creation of geodatabase for each thematic layer using FCC / NCC merged product for the allocated district, implementation and inspection of topological rules, data merging of districts, mosaicking, topology creation of geodatabase. Field work, assistance in checking the quality of GIS data, etc.
- **Senior Research Fellow:** Construction of geodatabase for each thematic layer using FCC / NCC merged product for the allocated district, field work, quality check, execution of topological rules during mapping activity, etc.

Details of position are as follows

Fellowship Name	Per month emoluments and post number	Qualifications
Research Associate-3	Rs. 40,000 / - Number of staff 01	Post Graduation in Geography / Geology. Training in Remote Sensing / GIS / Geo-Informatics from a recognized institute. Five years work experience in Remote Sensing / GIS
Senior Research Fellow	Rs. 28,000 / - Number of staff 04	Post Graduation in Geography / Geology. Training in remote sensing / GIS / Geo- Informatics from a recognized institute. Three years work experience in Remote Sensing / GIS

Project Name: Livestock Resource Inventory of Chhattisgarh State and Livestock Information System Project (Code No. 03)

Expected work

The format of the Project work includes online / online screen (computer) satellite data interpretation, field verification, smart phone based inventory, geo-database preparation, map preparation and report preparation, other short term Project work etc. The work expected of the Fellow is as follows: -

- **Research Associate-1:** Creation of geodatabase of thematic layer using FCC / NCC merged product for the entire State, implementation and inspection of topological rules, merging the data of districts, creation of web portal with web service using JAVA, ARC / GIS, API, JS, Python, creation of database using MySQL / Postgrace and understanding of Android application creation etc.



Details of position are as follows

Fellowship Name	Per month emoluments and post number	Qualifications
Research Associate-1	Rs. 36,000 / - Number of staff 03	Post Graduation in Geography / Geology. Training in Remote Sensing / GIS / Geo-Informatics from a recognized institute. Three years work experience in Remote Sensing / GIS

Project Name: Monitoring of Integrated Watershed Management Programme (IWMP) Projects using Geo-spatial Technologies (Code No. 04)

Expected work

- **Research Associate-1:** To test availability of required information in the shape file of Project boundary, area selection and satellite data extraction, preparation of LU / LC, change statistics and cross matrix table preparation, LU / LC, base maps and NDVI map composition, vector layer download and analyze satellite data for visible structures, preparation of Project wise summary report for all IWMP Projects allotted in the State of Chhattisgarh, etc.
- **Senior Research Fellow:** Testing and geometric correction of the satellite data provided by NRSC, image enhancement and interpretation based on classification, manual digitization and mapping of land use and land cover at 1: 10,000 scale, creating a geo-database of all continuous years of IWMP Project , And so on.

Details of position are as follows

Fellowship Name	Per month emoluments and post number	Qualifications
Research Associate-1	Rs. 36,000 / - Number of staff 01	1. Post Graduate degree in Geography / Geology or related subject. Training in Remote Sensing / GIS / Geo-Informatics from a recognized institute. Three years work experience in Remote Sensing / GIS.
Senior Research Fellow	Rs. 28,000 / - Number of staff 02	Post Graduate degree in Geography / Geology / or related subject. Training in Remote Sensing / GIS / Geo-Informatics from a recognized institute. Two years work experience in Remote Sensing / GIS.

Project Name: National Wetland Inventory and Assessment Phase-II (Code No. 05)

Expected work

- **Senior Research Fellow:** Preparation of wetland data updation and change analysis report on 1: 50,000 scale as per 2006-07 and 2017-18 databases using LISS-III satellite data, ground truth data collection for 1: 50,000 scale wetland change by mobile app. Wetland Inventory and

Assessment of the State using satellite data, Inventory / Mapping on 1: 25,000 scale, Ground Truth Data Collection, field data collection for all major wetlands using Mobile App provided by Space Applications Center, Ahmedabad. Creation of integrated database of wetland and base layers for entire State on 1: 25,000 scale, Map Sheet level, Taluk level, District level and State level. Map composition and report preparation, etc. using the standard template provided by Space Applications Center, Ahmedabad at State level and District level.

Details of position are as follows

Fellowship Name	Per month emoluments and post number	Qualifications
Senior Research Fellow	Rs. 28,000 / - Number of staff 02	Post Graduate degree in Geography / Geology / or related subject. Training in Remote Sensing / GIS / Geo-Informatics from a recognized institute. Two years work experience in Remote Sensing / GIS.

Project Name: IPFC, MSME (Code No. 6)

- Position :- Project Scientist (RA-1 as per DST norms), Number and Emoluments :- 01 @ Rs. 36000/- per month
- Position :- JRF, Number and Emoluments :- 02 @ Rs. 25000/- per month

Qualification and Experience	Job Assignment	Job Description
<p>Doctorate/Post Graduate Degree in Professional Course viz Life sciences, Biotechnology, Microbiology, Biochemistry, Chemistry, Pharmacy, Engineering, Law (IPR) etc.</p> <p>Experience: 03 years experience in research</p> <p>Desirable: Training/experience in IPR and IPR addressal.</p> <p>WIPO Certificate course (DL-101) or TIFAC Kiran IPR Course or RGNIIPM</p>	<p>1. Would be incharge of the Project field execution.</p> <p>2. Would be incharge of report and assigned work execution by the JRF's</p>	<p>1. To undertake liasioning work with the small, micro and medium enterprises of the State.</p> <p>2. Identify Intellectual Property needs of the MSME sector in the stare and formulation of reports.</p> <p>3. Analyze the needs and formulate pilot studies specific to the State's MSME sector.</p> <p>4. Organise awareness programmes and lectures for the MSME's as per specific area of work.</p> <p>5. Formulate criteria based clusters of MSME for identification and targeting of IP issues.</p> <p>6. Cluster development work in association with the DI, MSME and Department of Industry, GOCCG</p> <p>7. Cluster based IP frame and ecosystem development in the State.</p> <p>8. Ground work for the addressal of Geographical Indications of the State including the data base creation and laboratory work as and work required.</p>

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<p>Training Course on IPR.</p> <p>All the conditions set up by the Executive Committee of the Council may be applicable the Project staff of CLF</p>		<p>9. Participate and distribute IP search topics amongst JRF's for technology scanning reports, technology sourcing and forecasting.</p> <p>10. Ensure confidentiality and NDA for IP applicants.</p> <p>11. Interact with the MSME officials and IP lawyers.</p>
<p>Post Graduate Degree in Professional Course viz Life sciences, Biotechnology, Microbiology, Biochemistry, Chemistry, Pharmacy etc.</p> <p>Desirable: WIPO Certificate course (DL-101) or TIFAC Kiran IPR Course or RGNIIIPM Training Course on IPR.</p>	<p>1. JRF-01 would be given IP application apart from GI and field work associated with the MSME.</p> <p>2. JRF-02 would be assigned work pertaining to the Geographical Indications and GI related work and filed work associated with the GI filing and requirements.</p>	<p>1. To assist in all the Project work to the Project Scientist and IPRC, CCOST staff</p> <p>2. Initiate IP search on the IP software and online.</p> <p>3. Initiate Patent and Non-Patent Literature Search for technology scanning, sourcing and forecasting for the academia and MSME of the State.</p> <p>4. To interact with the IP applicants and addressal of IP issues including search, drafting and preparation of IP forms.</p> <p>5. Liaison with the IP lawyers for IP filing.</p> <p>6. Ensure confidentiality and NDA for IP applicants.</p> <p>7. Preparation of monthly reports for submission to DC, MSME, GOI and file and book keeping of the Project.</p>

Project Name: Technology Village Programme & Climate Change (Council's Scheme) (Code No. 7)

- Position :- Project Scientist, Number and Emoluments :- 01 – Rs. 49,000/- per month
- Position :- Field Assistant, Number and Emoluments :- 04 – Rs. 10,000/- per month

Qualification	Job Description	Place of Duty
<p>For Project Scientist :-</p> <p>Essential: Ph.D. in Rural Technology / Anthropology / Social Science</p> <p>Desirable: Minimum five Year working experience in Technology Transfer Activities; Climate Change, NRM, Rural Development</p>	<p>For Project Scientist :-</p> <p>Responsibility of the planning and chalk out the programmes for TVP Centres. Preparation of road map for proper scheme and programme organization and implementations. Coordination with State govt. & Central Govt. organizations for advanced rural Technology and there introduction and implementation in TVP centres. Organise rural development training programmes and activities in the Technology Village Centres. Perform all other duties as instructed by CCOST Officers.</p>	<p>Technology Village Centers Established in different district at State</p>

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<p>For Field Assistant :-</p> <p>Essential: Graduate in Science (Biology/Rural Technology)</p> <p>Desirable : Minimum six month working experience in Technology Transfer Activities and preference will be given to local area candidates for particular Technology Village Centres.</p>	<p>For Field Assistant :-</p> <p>Facilitate training programme/ activities in the Technology Village Centres. Maintain available infrastructure and field. . Perform all other duties as instructed by CCOST Officers</p>	
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Terms and Conditions: -

1. Last date to apply for the above positions: Within 15 days of the publication of this advertisement by **speed post**. The application should reach the Scientist E-1 (Placement Cell), Chhattisgarh Council of Science and Technology, Vigyan Bhawan, Vidhan Sabha Road, Daldal Seoni, Raipur (CG) Pin-492014.
2. The placement orders will be issued after release of Project fund of the concerned Project.
3. It is mandatory to mention the name and code of the Project on the application form and envelope. Along with this, it is mandatory to apply separately if the candidate desires to apply for more than one Project and mention of Project name and code on each application.
4. The selection will be on contractual basis for the duration of the Project.
5. This selection is purely temporary and the services can be terminated at any time by the employer by giving one month's notice without assigning any reason.
6. Research Scientist / Research Associate / Senior Research Fellowship / Junior Research Fellows / Technical Assistants / Field Assistants will be entitled to lump sum monthly emoluments as mentioned against each positions advertised. No other allowances will be eligible.
7. Applications will be accepted in the prescribed format only. Self attested original copies of mark sheets, certificates and passport size should be attached with the application.
8. Candidates who have the required qualification and experience / training of GIS and Remote Sensing data analysis from a recognized institute, only they are eligible to apply and the training must be relevant to the work expected in Projects.
9. Incomplete application will be rejected without any explanation and notice to the applicant.
10. Only shortlisted candidates will be called for the interview at the office of Chhattisgarh Science and Technology Council, Vigyan Bhawan, Daldal Seoni, Saddu, Raipur (Chhattisgarh) 492014. No separate allowance / expenditure will be allowed for this.
11. The Research Scientist / Research Associate / Senior Research Fellowship / Junior Research Fellows / Technical Assistants / Field Assistants will be relieved only after serving one month's resignation notice or after depositing one month's emoluments in the Council's account.
12. Priority will be given to candidates residents of Chhattisgarh State on completion of qualifications.

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13. Preference will be given to applicants with work experience relevant to the Project.
14. Regarding the selection of the candidate, the decision of Director General, Chhattisgarh Science and Technology Council will be final.
15. The Chhattisgarh Science and Technology Council reserves the right to fill or not to fill any or all posts without assigning any areas.
16. The selected candidate will have to join Council office within 15 days of issue of work order, failing which the candidates on the waiting list shall be issued work order.
17. The waiting list will be valid for one year (which will be displayed on the Council's website), upon receipt of approval of the Projects, a work order will be issued to the candidates on the waiting list.
18. The basis of giving information to be applicants will be the website of the institute.
19. Selected candidates can be sent on tours anywhere in India, prior consent must be compulsorily be given prior selection / joining.



Scientist E-1
(Placement cell)

Chhattisgarh Council of Science and Technology,
Vigyan Bhawan, Daldal Seoni, Saddu, Raipur
Chhattisgarh