# Position Details

## Research Projects- CSOF3

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| The following information is for applicants |
| Advertised Job Title | Iron Ore Processing Research Projects Officer  |
| Job Reference | 96023 |
| Tenure | End 30 June 2026Full-time |
| Salary Range | AU$70,874 - AU$90,20 per annum (pro-rata for part-time)plus 15.4% superannuation |
| Location(s) | Pullenvale, QLD (Turrbal, Jagera and Yugara Country) |
| Relocation Assistance | Will be provided to the successful candidate if required |
| Applications are open to | * Australian / New Zealand Citizens and Australian Permanent Residents
* Australian Temporary residents who hold a valid working visa

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| Position reports to the | Research Team Leader – Sintering and Pelletising  |
| Client Focus – Internal | 75% |
| Client Focus – External | 25% |
| Number of Direct Reports | 0 |
| Enquire about this job | Contact Dr Liming Lu via email at liming.lu@csiro.au or phone +61 7 3327 4529 or Lauren Williamson via email at lauren.williamson@csiro.au or phone +61 7 3327 4336 |
| How to apply | Apply online at <https://jobs.csiro.au/> Internal applicants please apply via **Jobs Central**If you experience difficulties when applying, please email careers.online@csiro.au or call 1300 984 220. |

**Acknowledgement of Country**

CSIRO acknowledges the Traditional Owners of the land, sea and waters, of the areas that we live and work on across Australia. We acknowledge their continuing connection to their culture and pay our respects to their Elders past and present. View our [vision towards reconciliation](https://www.csiro.au/en/about/Indigenous-engagement/Reconciliation-Action-Plan).

**Child Safety**

CSIRO is committed to the safety and wellbeing of all children and young people involved in our activities and programs. View our [Child Safe Policy](https://www.csiro.au/en/about/policies/child-safe-policy).

### Role Overview

The role of Research Projects staff in CSIRO is to collaborate in scientific and technological activities with other research staff usually by assisting with detailed planning, undertaking or assisting with experimental, observational or technology development work, and in carrying out the more practical aspects of the work.

CSIRO Mineral Resources (CMR) is one of the largest minerals R&D groups in the world, with ~350 employees, and has a proud track record of supporting industrial innovation across the minerals value chain.

We apply our expert knowledge and specialised research to deliver technologies and solutions that solve complex and challenging problems faced by minerals and METS (mining equipment, technology, and services) companies, governments, and other industry stakeholders.

As part of the Sintering and Pelletising team, this role will contribute to the delivery of research projects related to the decarbonisation of the iron ore and steel industries as well as delivery of industry projects supporting Australia’s Iron Ore Producers.

The successful applicant will be involved in all aspects of laboratory and pilot scale testing, focusing particularly on sintering and pelletising, and iron ore reduction as well as metallurgical testing of lump and agglomerated products.

The Iron Ore Processing Research Projects Officer will have access to a range of characterisation, solid/gas reactors and as well as state-of-the-art pilot scale facilities. For a more detailed overview of facilities, see: [www.csiro.au/ironoretour](http://www.csiro.au/ironoretour)

### Duties and Key Result Areas

* Under limited supervision conduct laboratory and pilot-scale iron ore sintering/pelletising tests and reduction research.
* Carry out standard and non-standard testing and relevant research related to feed materials for blast furnace and direct reduction ironmaking processes.
* Ensure adherence to established testing and product evaluation protocols.
* Collect and process experimental data on an ongoing basis.
* Provide technical assistance in maintaining databases and pilot and laboratory scale facilities.
* Develop and maintain expertise in the area of high temperature processing of iron ores relevant to the group's research activities.
* Respond to changes to experimental plan or alternative directions from the project leader.
* Communicate openly, effectively and respectfully with all staff, clients and suppliers in the interests of good business practice, collaboration and enhancement of CSIRO’s reputation.
* Work collaboratively as part of a multi-disciplinary, research team to carry out tasks in support of CSIRO’s scientific objectives.
* Adhere to the spirit and practice of CSIRO’s Values, Code of Conduct, Health, Safety and Environment procedures and policy and diversity initiatives.
* Other duties as directed.

## **Selection Criteria**

#### Essential

*Under CSIRO policy only those who meet all essential criteria can be appointed.*

1. Relevant tertiary qualification or equivalent relevant work experience in Mineral Processing, Metallurgy, or Chemical Engineering.
2. Demonstrated ability to collect, analyse and report data to solve engineering/scientific problems under limited supervision.
3. Ability to work in a team environment, utilise resources effectively, meet deadlines and adapt to a dynamic work environment while maintaining work quality and performance.
4. Well-developed oral and written communication skills to comprehend and convey detailed instructions/procedures.
5. Knowledge of the operation and maintenance of laboratory and pilot-scale processing and research equipment.
6. Willingness and ability to travel and work in industrial or mining environments when required.

## **Desirable**

1. Work experience in iron ore processing or steel industry and knowledge or research experience in high temperature processing.
2. Ability to systematically examine laboratory and pilot-scale equipment operation conditions and diagnose faults.
3. Current Driver’s License and Forklift License.
4. Current High Risk Work Licence (LF).

## **Required Competencies**

* **Teamwork and Collaboration:** Proactively seeks and considers the ideas and opinions of others from within and outside the team to help form decisions, plans or actions.
* **Influence and Communication:** Puts forward ideas by presenting factual information supported by data, definitions, examples, illustrations or other aids, which will assist in conveying meaning.
* **Resource Management/Leadership:** Provides instruction and assists other staff to complete allocated tasks and activities.
* **Judgement and Problem Solving:** Identifies and considers the implications of a range of available alternatives in order to select the most appropriate response to problems of a familiar or recurring nature.
* **Independence:** Recognise and makes immediate changes to improve performance (faster, better, lower cost, more efficiently, better quality, improved client satisfaction).
* **Adaptability:**Willingness to change ideas or perceptions based on new information, contrary evidence or other people's points of view. Prepared to try out different approaches.

Special Requirements

The successful candidate will be asked to obtain and provide evidence of a National Police Check or equivalent. Please note that people with criminal records are not automatically deemed ineligible. Each application will be considered on its merits.

## **About CSIRO**

We solve the greatest challenges through innovative science and technology. Visit [CSIRO Online](http://www.csiro.au/) and [CSIRO Mineral Resources](https://www.csiro.au/en/about/people/business-units/mineral-resources) for more information.

CSIRO is a values-based organisation.  In your application and at interview you will need to demonstrate behaviours aligned to our values of:

* People First
* Further Together
* Making it Real
* Trusted