

FY 2023, 2nd Application Guide for Shared Use Program of JAEA Facilities

Japan Atomic Energy Agency

Japan Atomic Energy Agency (JAEA) has established the Shared Use Program of JAEA Facilities to provide a wide range of opportunities for the use of its facilities and equipment upon application. JAEA welcomes applications for the use of its facilities and equipment based on the program's policy outlined below.

1. Period of use

Use will be open for the second half of FY 2023(October 1, 2023 to March 31, 2024).And the following facilities will be limited for short period of use.

Japan Research Reactor (JRR-3): The period of six cycles from R5-02 to R5-07 from late September to early April 2024. (R5-02: September 25 to October 20, 2023, R5-03: October 30 to November 24, 2023, R5-04: December 4 to December 22, 2023, R5-05: January 8 to February 2, 2024, R5-06: February 12 to March 8, 2024, R5-07: March 18 to April 5, 2024)

※One a general rule cycle period is 25days.

※Other facilities may be available at different times due to periodic inspections. Please consult with the person in charge of the facility for details.

2. Due date of application

Please send the application form to the Open Innovation Promotion Section, JAEA Innovation Hub, Japan Atomic Energy Agency by Wednesday, May 31, 2023.

Applications for the use of the Naraha Remote Technology Development Center (Mock-up Test Facility) and the Fukui Smart Decommissioning Technology Demonstration Base are accepted at any time throughout the year. Applications of General Use Proposals (Non-proprietary Research) submitted after the deadline need consultation and submittal of the statement of reasons.

3. Accessible facilities

Please refer to “Facilities and Contact Points”

However, the following facilities are not open, or are limited use this time.

- (1) The application period for the research reactor (JRR-3) is six cycles from around late September 2023 to early April 2024.

For more information, please visit the JRR-3 website. (<https://jrr3.jaea.go.jp/>)

- (2) Joyo in the Oarai Research and Development Center accept application for post irradiation examination only.

Before filing an application, the applicant should have an in-depth consultation concerning the technical feasibility of the proposed project with the staff members in charge of the facility and equipment that the applicant wishes to use.

4. Classification of projects

General research & development projects are classified into two types: those intended for publication and those not intended for public disclosure. (No Classification for the Naraha Remote Technology Development Center.)

A. Non-proprietary Research

Prospective projects the applicant of which is willing to publicly disclose the results will be examined by the Technical Committee. The applicant shall be requested to submit a project report to JAEA and publish the results of the project in an academic journal or other means of communication within the time specified in paragraph 11 and 12.

B. Proprietary Research

The applicant wishing to keep the results confidential is asked to consult appropriate JAEA staff members, if he or she has a particular request concerning confidentiality or other related matters.

5. Qualifications

The applicant must be a researcher or other personnel undertaking research at universities, colleges, public research institutions, private enterprises, and other research or academic entities. (Student cannot be an applicant.)

6. Review of application

A. Non-proprietary Research

The Technical Committee of the Shared Use Facility Council will review, from a scientific and technical viewpoint, the scientific relevance of the project, the need for using the JAEA facility and equipment, its feasibility, safety, and past achievements of the applicant and the project members accomplished by using the JAEA facility and equipment.

B. Other Projects

The management department at each facility will review the feasibility and the safety of the proposal.

7. How to file application

Fill out the Shared Use Program of Facility Application Form, and send it to the designated address.

Please refer the remarks about “export control” at the end of this guide.

Application by e-mail should go to renkei.shisetsu@jaea.go.jp.

The application form and instructions for completion can be downloaded from the website.

(<https://tenkai.jaea.go.jp/facility/3-facility/05-support/jaea-facilities-eng.html>).

Please use the links below for applying for the following facilities:

JRR-3	https://jrr3uo.jaea.go.jp/information/information_06.htm
Tandem Accelerator	https://ttandem.jaea.go.jp/
Naraha Remote Technology Development Center	https://naraha.jaea.go.jp/

[Restriction on multiple applications]

- Applicants are asked to refrain from filing an application for the authorization of the use of the JAEA facility or equipment under this program, if they have filed another application for the same facility or equipment under a program offered by another organization or entity for the same year.
- Applicant who filed an application for the JAEA's facility or equipment under a program offered by other organizations or entities, wishes to obtain permission to use the same facility or equipment under this program, he or she must fill in the relevant information in Format 4, and attach a copy of such application to the format.

8. Notification of review results

The results of application review will be notified to the applicant around August 2023.

9. Terms and conditions of facility use

The user of the JAEA facility shall abide by the terms and conditions of facility use stipulated by JAEA, which are open to access by interested parties.

Please apply with understanding of the Term of Use of JAEA Facilities.

Please note that a separate covenant will be added if you use SPring-8 for non-proprietary use of the results.

10. Usage charge

The usage charge shall be determined by the type of project eligible under this program.

		Usage charge (total)		
Non-proprietary Research	General projects	Handling fee (¥13,300/use)*	Basic charge **	<ul style="list-style-type: none"> • Additional expenses, if required • Costs for radioactive waste disposal if required.
Proprietary Research	General projects		General charge	

* ¥900/use for the Naraha Remote Technology Development Center.

** The basic charge is the costs for consumables and waste disposal

However, regardless of above table, “General charge” is applied for applications from overseas (excluding non-proprietary Research), “General charge (with special measures)” is applied for the Naraha Remote Technology Development Center.

The fees for the use of dedicated experimental facilities at SPring-8 have been revised in accordance with the "Advanced Materials Research Infrastructure" project commissioned by the Ministry of Education, Culture, Sports, Science and Technology (MEXT) in FY2021 (see 15. "Others").

The fees for the facilities of Nuclear Science Research Institute (JRR-3, Tandem Accelerator, Facility of Radiation Standards FRS, and Reactor Fuel Examination Facility RFEF) will be revised.

These fees will be applied from the application on and after May 1, and those who applied before May 1 will be subject to the fees at the time of application.

For more details, please refer to the List of Charges. In addition, the usage charge may be revised without a notice by review of expense rates etc.

11. Project report

The applicant of a project non-proprietary research must submit a project report until May 30, 2024 (within sixty days from 1st April of the year following the JAEA's fiscal year which the User have used the facility (hereinafter referred to as "Facility Use Fiscal Year")).

If the applicant fails to do so, he or she shall be obliged to pay the general charge. The submitted project report will be disclosed on the JAEA's web site.

The applicant is requested to describe in the project report, plans for presenting the results by journal publication or other means of communication, and the expected numbers of forthcoming dissertations based on the research conducted by using the JAEA facilities (if relevant).

12. Publication of the results

In order to promote social and scientific development, the applicant of a project non-proprietary research shall publish the results until March 31, 2026 (within two years from 1st April of the year following the Facility Use Fiscal Year) by journal article or other means of communication.

If the applicant fails to do so, he or she must pay the general charge. In addition, such negligence shall constitute a critical negative factor in future use of the JAEA facilities, in terms of project approval and machine time allocation.

When the applicant publish the results obtained by using the JAEA facility in an article or other means of communication, the applicant must indicate that the results were derived under the Shared Facility Use Program of JAEA. The applicant shall submit the Publication of the Results Notification Form including reprints of the publication or other relevant materials in the report to JAEA. JAEA will compile parts of these notification forms and disclose on the JAEA website.

Publication by "journal article or other means of communication" mentioned above may involve scientific journal articles, review articles, proceedings, monographs, prize-winning presentations, patent applications, industry journals or magazines, company reports, academic conferences, symposia, press releases, keynote presentations at international meetings, and oral presentations at academic settings.

However, according to the requirement of JASRI, the applicant for the Large synchrotron radiation facility (SPring-8), must publish research results within three years by refereed journal paper etc. (Proposal number must be specified), and register it to the "SPring-8 data base".

For more detail, please confirm "Call for SPring-8 research proposal".

The projects intended for publication using JAEA's contract beamlines of SPring-8 conforms to this requirements.

If the above requirements of JASRI are met within two years from the end date of the facility use, it also meets JAEA requirements.

In addition, the patent application does not meet the SPring-8 results publication requirements.

13. Intellectual properties

If the applicant wishes to file a patent or other form of intellectual property on a scientific results obtained by using the facility of this program, he or she should consult with the staff members in charge of the project. The licensing of rights to intellectual properties shall be subject to the terms and conditions of the facility use contract.

14. Upcoming application period

Applications for FY2024 will be accepted around November 2023.

15. Other

- The applicant shall, after approval of the project proposal, submit documents and other materials necessary for completing the procedure. The post-approval procedures may vary by facility; details should be confirmed by contacting the JAEA staff members in charge of the project.
- There may be cases which the approved project cannot be carried out, machine time are reduced or use time is changed, due to facility failure etc. JAEA in particular, does not compensation in such cases.
- Travel expenses, lodging, and other expenses shall not be reimbursed; these expenses shall be borne by the user of the facility.
- Personal information provided in association with this program shall be used solely for the purpose of implementing it. Applicants should note that JAEA's web site or publications may publicly release the outline of the approved projects, including the name of the Project leader, affiliation, and project title.
- For Non-Proprietary Proposals at SPring-8, an Experiment Summary Report must be submitted to JASRI within 60 days after the end of the experiment period. Proposals for the use of JAEA's experimental equipment at SPring-8 will be carried out as part of the "Advanced Materials Research Infrastructure" projects commissioned by the Ministry of Education, Culture, Sports, Science and Technology. The data obtained will be released after a certain period of time in accordance with the Organization's data policy. There are plans to make arrangements and improve the environment regarding data handling methods. Please cooperate in the promotion of this program.

For more detail, please refer following URL.

【Advanced Materials Research Infrastructure】

<https://nano.jaea.go.jp/jp/index.html>

【Basic Policy on the Handling of Research Data of Japan Atomic Energy Agency】

https://www.jaea.go.jp/about_JAEA/data_policy/policy.pdf

【Approach to Data Handling in Advanced Research Infrastructure for Materials and Nanotechnology】

<https://tenkai.jaea.go.jp/facility/3-facility/09-download/arim.pdf>

Questions related "Advanced Materials Research Infrastructure" please ask to the following.

Research Co-ordination and Promotion Office,
Materials Sciences Research Center
TEL : 070-1456-9348

Contact point and address for submission of application

renkei.sisetsu@jaea.go.jp

2-4 Shirakata, Tokai-mura, Naka-gun, Ibaraki 319-1195
Open Innovation Promotion Section
JAEA Innovation Hub
Japan Atomic Energy Agency
TEL: 080-3517-6917, 029-282-6914/6190

Remarks

The following cases may be subject to export control.

(1) Sending back samples and equipment (e.g. measuring instruments, handmade experimental instruments) brought in by a foreign user of JAEA facility (non-resident) for joint research and other purposes

When JAEA sends back such items directly to foreign countries upon agreement between JAEA and a foreign user, export control procedures must be followed based on the internal rules of JAEA.

Depending on the items to be sent, permission of the Ministry of Economy, Trade and Industry is required. As there are cases where it takes substantial period of time for the permission to be granted, please allow enough time for the necessary procedures in order to avoid inconveniences arising in the research schedule. Please consult with the International administration section, Office of Strategy and International Affairs of JAEA if the export control classification is difficult due to complicated specifics of the samples, equipment, etc.

(2) Provision of data obtained through experiment and samples to non-resident foreigners

For sending data (except those in the field of basic scientific research) obtained through experiment, samples, etc. to the foreigners (non-resident) by a user of JAEA facility belonging to a Japanese research institute other than JAEA, there are cases where export control procedures must be taken. In such cases, please go through procedures required in such Japanese research institute appropriately.

(3) Foreigners' taking out data obtained through experiment or samples to their own countries

Please note that non-resident foreigners' taking out data (except those in the field of basic scientific research) obtained through experiment, samples, etc. abroad, he or she must observe the Foreign Exchange and Foreign Trade Control Act of Japan.