FY 2027, 1st Application Guide for Shared Use Program for JAEA Facilities

Japan Atomic Energy Agency

Japan Atomic Energy Agency (JAEA) makes its facilities and equipment widely available through the Shared Use Program for JAEA Facilities. In accordance with the purpose of this program, JAEA welcomes applications for the use of its facilities and equipment for FY2027, as outlined below.

1. Facility Use Period

The facility use period covered by this call is from April 1, 2027 to March 31, 2028.*

* Note: For the Large Synchrotron Radiation Facility (SPring-8; JAEA-dedicated beamlines and equipment), the use period shall be from April 1 to September 30, 2027.

2. Application Deadline

Applications must be received by Wednesday, December 2, 2026, by the Research Promotion Section, Research and Development Promotion Department, Japan Atomic Energy Agency.

Applications for the Naraha Remote Technology Development Center (NARREC) and the Fukui Smart Decommissioning Technology Demonstration Base (Sumadeco) are accepted year-round.
For General Projects (Non-proprietary Research) at shared facilities other than NARREC and Sumadeco, prior consultation is required for applications submitted outside the application period. In such cases, submission of a statement of reasons will be required.

3. Facilities Covered by This Call

Refer to "Facilities and Contact Information" for the list of shared facilities and equipment.

(1) The Regular Access Call for full-year use of JRR-3 in FY2027 will not be conducted this time due to the operating schedule for the next fiscal year. An additional call for FY2027 is planned for May 2027.
For general inquiries can be found on the JRR-3 website (https://jrr3.jaea.go.jp/jrr3e/index.htm)

(2) For the experimental reactor Joyo at the Oarai Atomic Engineering Research Institute can only be used for post- irradiation examination in FY2027. Applications related to irradiation will be suspended until FY 2028.

(3) For the Large Synchrotron Radiation Facility (SPring-8), only BL14B1 will be included in this call, because of SPring-8 upgrade. Please note that calls for the equipment at BL22XU and BL23SU are planned to resume in FY2029.

4. Classification of Projects Categories

The project categories for this call are Non-proprietary Research, Proprietary Research, and Trial Use.

No categories are defined for the Naraha Remote Technology Development Center.
A. Non-proprietary Research
These are projects for which research results will be made public. A technical committee will review the projects as necessary.
Competitive Funding Projects are intended for research projects that have been selected under competitive public research funding programs, such as Grants-in-Aid for Scientific Research (KAKENHI). Applicants must consult with the relevant facility office in advance and submit documentation verifying the funding decision, such as a notice of award.

Non-proprietary Research Projects require the submission of an Experimental Report by the specified deadline and to publish their research results in academic publications or other appropriate media.

B. Proprietary Research
This category allows applicants to retain proprietary results without public disclosure. If you have any confidentiality requirements, consult with the responsible staff in advance.

C. Trial Use
Trial Use is intended to promote industrial use (excluding academic use) by allowing first-time industrial users to access JAEA facilities free of charge. Expenses related to facility operation are waived; however, depending on the details of the use, other costs may be incurred.
Applicants wishing to use the Trial Use scheme should consult with the relevant facility office before applying. The facility will review the feasibility and safety of the proposed use.
Some facilities, including SPring-8, are not eligible for the Trial Use scheme. For details, contact the relevant facility staff.

5. Qualifications

Applicants are required to be researchers or related personnel affiliated with universities, private enterprises, public research institutions, or other research or academic organizations. Students are excluded.

6. Application Methods

Before applying, consult with the relevant facility office in advance regarding the technical feasibility of your proposed use. After consultation, complete the required information in the “Application Form” and submit it to the designated submission office. The application form and instructions for completion can be downloaded from the JAEA website.

However, some facilities have different application procedures. Details are provided on the respective facility websites.
- Tandem Accelerator: https://ttandem.jaea.go.jp/index-eng.html
- Naraha Remote Technology Development Center: https://naraha.jaea.go.jp/en/index.html

[Restrictions on Duplicate Applications]
As a general rule, submitting duplicate applications for the same facility or equipment to programs offered by other organizations is not permitted. If an application for the same facility or equipment has already been submitted through another organization, indicate this in the relevant section of the Application Form and attach one copy of that application.

7. Review of Facility Use Applications

A. Non-proprietary Research
The Technical Committee will conduct a comprehensive and expert review of the scientific validity of the project, the necessity of using JAEA facilities and equipment, the feasibility and safety of the proposed experiments, and past research achievements obtained using JAEA's shared facilities.

B. Other Projects
The feasibility and safety of the project will be reviewed at each facility.

8. Notification Timeline

The review results are scheduled to be notified after February 2027.

9.Term of Use of JAEA Facilities

Use of the JAEA facilities is subject to the Terms of Use for Shared Facilities. Applicants are requested to review and agree to these terms before applying.
Note that additional special clauses apply when SPring-8 is used under Non-proprietary Research. Refer to Section 15 for details.

10. Usage Fees

Facility usage fees for this call are determined according to the project category, as shown below.

<table>
<tr><th colspan="2">Usage Categories for Projects</th><th colspan="3">Usage Fees (Total)</th></tr>
<tr><td>Non-proprietary Research
(public disclosure required)</td><td>General projects</td><td rowspan="2">Handling fee
(¥13,300/use)
*</td><td>Basic charge **</td><td rowspan="2">• Additional expenses
• Expenses related to radioactive waste storage, treatment, and disposal if required.</td></tr>
<tr><td>Proprietary Research
(no public disclosure required)</td><td>General projects</td><td>General charge</td></tr>
</table>

* Handling fee for the Naraha Center for Remote Control Technology Development: ¥900
** These are the costs for consumables and waste disposal associated with facility operation.

Regardless of the above table, the General charge applies to applications from overseas institutions (excluding Non-proprietary Research) and to the Naraha Remote Technology Development Center. For use of the Naraha Center for Remote Control Technology Development, the "General fee "applies, with special measures available depending on conditions.
Refer to the Table of Charges for details on the fee categories and facility usage fees. Usage fees may be revised without notice following a review of expense ratios and other factors.

11. Submission of the Experimental Report

Users under Non-proprietary Research shall submit an Experimental Report to JAEA by the end of the

second month following the month in which the facility use is completed (For example, if the use ends in mid-May, the deadline will be the end of July.).
If the Experimental Report is not submitted by the deadline, the usage fee for Proprietary Research will apply, and the User shall pay the difference between that fee and the fee already paid under Non-proprietary Research.
Submitted Experimental Reports will be published on the JAEA website.

12.Publication of Results and Submission of the Publication Report Form

Users under Non-proprietary Research shall publish the results within two years from April 1 of the fiscal year following the fiscal year of facility use.
When the results are published, a Publication Report Form shall be submitted together with offprints or other relevant materials. The submission deadline for the Publication Report Form is March 31, 2030.

Publication of results includes, for example: journal articles, review articles, proceedings, monographs, magazines, company reports; presentations at academic conferences, research meetings, seminars, symposia, workshops, or other similar events; press releases; and patent applications.

If the results are not published and the Publication Report Form is not submitted by the deadline, the usage fee for Proprietary Research will apply, and the User shall pay the difference between that fee and the fee already paid under Non-proprietary Research. In addition, the status of result publication will be an important factor in determining the approval of future projects and the allocation of facility use time.

When publishing the results through a journal article or other method, the publication must be clearly indicated that the research was conducted under the Shared Use Program of JAEA Facilities. For English publications, the following example sentence should be used:
This work was performed under the shared use program of JAEA Facilities.
Information on the published results based on the submitted Publication Report Forms will be made available on the JAEA website.

For users who utilize the Large Synchrotron Radiation Facility (SPring-8), the Japan Synchrotron Radiation Research Institute (JASRI) requires that a peer-reviewed paper or equivalent publication clearly indicating the use of SPring-8 be published within three years after the end of the proposal term, and that the results be registered in the SPring-8 Research Results Database. These requirements also apply to Non-proprietary Research projects conducted using JAEA's dedicated experimental equipment.
For details, refer to the website linked below.
https://user.spring8.or.jp/?p=26156&lang=en

These requirements are separate from JAEA's publication requirements, and both must be fulfilled. However, if the above JASRI requirements are met within two years from April 1 of the fiscal year following the facility use, the JAEA requirements will also be considered fulfilled.
Patent applications do not satisfy JASRI's publication requirements.

13. Handling of Intellectual Property

Patent filing or other actions related to intellectual property arising from the use of this facility require prior consultation with the responsible staff member.
The handling of intellectual property shall be governed by the Term of Use of JAEA Facilities

14. Upcoming Call for Proposals

The call for proposals for FY2027 (second half) is scheduled to be conducted in May 2027.

15. Other Information

• Procedures required after project selection vary depending on the facility. For details, contact the department responsible for each facility.
• Even if a project is selected, unforeseen shutdowns or other facility circumstances may prevent its implementation, or may result in changes to the scheduled use period or a reduction in available beam time. In such cases, JAEA cannot provide compensation.
• If a project is discontinued, applicants are, in principle, required to submit a new application. If the application documents indicate that the project had been selected in the previous fiscal year, this will be taken into consideration during the review.
• Travel, accommodation, and related expenses associated with facility use are not covered by JAEA and must be borne by the user.
• The payment of facility usage fees must be made by bank transfer based on the invoice issued by JAEA.
• Personal information provided through this call will be used for administrative purposes related to facility use. For selected "Non-Proprietary" projects, information such as the project title, name and affiliation of the project leader, and other relevant details may be posted on the JAEA website or in JAEA publications.
• If transport of irradiated samples is required, it can be arranged at the user's expense. However, depending on the generated radionuclides and activity levels, transport may not be possible. Applicants should consult the responsible department of the facility in advance regarding the feasibility, method, and costs of transport. All transport-related expenses are the responsibility of the user.

• For Non-Proprietary Research projects at SPring-8, users are required to submit an Experiment Report to JASRI within 60 days after the end of the project period.
Proposals using JAEA's dedicated experimental equipment at SPring-8 are conducted as part of the MEXT-commissioned program "Advanced Research Infrastructure for Materials and Nanotechnology (ARIM)." Among the data obtained through the experiment, any data for which users consent to registration will be made publicly available after a specified period.
For details regarding data-handling procedures, contact the relevant department listed below. Users of JAEA's dedicated experimental equipment at SPring-8 are requested to cooperate in the implementation of the ARIM program.

The details are as follows;
【Advanced Research Infrastructure for Materials and Nanotechnology in Japan(ARIM)】
https://arim.jaea.go.jp/eng/index.html

【Basic Policy on the Handling of Research Data of Japan Atomic Energy Agency】※Japanese only
https://www.jaea.go.jp/about_JAEA/data_policy/policy.pdf

【Approach to Data Handling in Advanced Research Infrastructure for Materials and Nanotechnology in Japan】※Japanese only
https://tenkai.jaea.go.jp/facilities/download/use/arim.pdf

For inquiries regarding the "Advanced Research Infrastructure for Materials and Nanotechnology in Japan " program, contact the following office:
Research Co-ordination and Promotion Office, Materials Sciences Research Center
TEL：+81 791 58 0822

16. Contact Information and Application Submission Address

4-49 Muramatsu, Tokai-mura, Naka-gun, Ibaraki 319-1112
Intellectual Property and Industry-Academia Collaboration Section
Research and Development Promotion Department
Japan Atomic Energy Agency
Email: renkei.shisetsu[@]jaea.go.jp
When sending an email, replace "[@]" with "@".

Notes on Export Control

The following cases may fall under export control regulations

(1) Returning samples and equipment (e.g., measuring instruments, handmade experimental devices) brought into a JAEA facility by a foreign user (non-resident) for joint research or other purposes.

When JAEA returns such items directly to a foreign country under an agreement with the foreign user, export control procedures must be followed in accordance with JAEA's internal regulations.

Depending on the items to be returned, permission from the Ministry of Economy, Trade and Industry may be required. As the issuance of such permission can take a considerable amount of time, sufficient lead time should be allowed for the necessary procedures to avoid disruptions to the research schedule. If export control classification is difficult due to the specific characteristics of the samples or equipment, consult the International Affairs Department of JAEA.

(2) Provision of experimental data and samples to non-resident foreign nationals

For the provision of experimental data (excluding those in the field of basic scientific research), samples, and other materials to non-resident foreign nationals by a user of a JAEA facility who belongs to a Japanese research institute other than JAEA, export control procedures may be required. In such cases, the necessary procedures must be carried out appropriately in accordance with the regulations of the relevant Japanese research institute.

(3) Taking experimental data or samples out of Japan by non-resident foreign nationals

Non-resident foreign nationals who take experimental data (excluding those in the field of basic scientific research), samples, or other materials abroad must comply with the Foreign Exchange and Foreign Trade Act of Japan.