○ Using the Research Facilities and Equipment of the Japan Atomic Energy Agency

(Updated: OCT. 2026)

1. Shared Use Program for JAEA Facilities

The Japan Atomic Energy Agency (JAEA) has established the Shared Use Program for JAEA facilities to enable external users to access its research facilities and equipment. Under this program, advanced large-scale facilities and related equipment designated for shared use are made available for a fee, while ensuring coordination with JAEA's internal research activities.

2. Facilities Available under the Shared Use Program

The facilities are listed by location below.

Nuclear Science Research Institute (Ibaraki)	1 2 3 4	JRR-3 (Japan Research Reactor-3) Tandem Accelerator Reactor Fuel Examination Facility (RFEF) Facility of Radiation Standards (FRS)
Oarai Nuclear Engineering Institute (Ibaraki)	5	Experimental Fast Reactor Joyo
Harima SR Radioisotope Laboratory (Hyogo)	6	Synchrotron Radiation Facility (SPring-8) (JAEA's contract beamlines and experimental equipment)
Tono Geoscience Center (Gifu)	7	Pelletron accelerator for radioactive age determination (JAEA-AMS-TONO)
Aomori Research and Development Center (Aomori)	8	Tandetron accelerator mass spectrometer (JAEA-AMS-MUTSU)
Fukushima Research and Engineering Institute (Fukushima)	9	Naraha Center for Remote Control Technology Development (NARREC)
Tsuruga Comprehensive Research and Development Center (Fukui)	10	Fukui Smart Decommissioning Technology Demonstration Base (Sumadeco)

3. Usage Categories and Procedures

The Shared Use Program classifies facility use according to the handling of research results and the type of project.

Application methods differ depending on the usage category and the timing of submission.

Usage Categories for R&D Projects *				
Handling of Research Result				Application Methods for Facility Use
External Use Category		① Non-proprietary Research (public disclosure required)	General projects	Apply through the Regular Access Call → (1) Ad-hoc Submission in urgent situations→ (2)
			Competitive funding projects (Preferential use)	Regular Access Call (requires prior consultation) (1) Ad-hoc Submission (requires prior consultation)
		② Proprietary Research (no public disclosure required)	Usage promotion projects	Apply through the Regular Access Call → (1) Ad-hoc Submission→ (2)
			General projects	Apply through the Regular Access Call → (1) Ad-hoc Submission→ (2)
③ Priority projects (joint university programs, etc.)				
④ Trial Use				

* There is no usage category for the Naraha Center for Remote Control Technology Development.

3.1 Description of Usage Categories

①Non-proprietary Research (public disclosure required)

-General Projects

General Projects under Non-proprietary Research are conducted for research and development purposes. Users are required to submit an Experimental Report and publish the research results within the prescribed period as part of the public disclosure requirement.

-Competitive Funding Projects (Preferential Use)

Projects supported by competitive public research funding (e.g., KAKENHI). Prior consultation with the facility or equipment manager is required. When accepted, these projects may receive preferential access without project review.

②Proprietary Research (no public disclosure required)

-Usage Promotion Projects

Usage Promotion Projects are conducted for research and development purposes, and the results are not disclosed.

-General Projects

General Projects under Proprietary Research are conducted for commercial or business-oriented purposes. Research results are not disclosed.

③Priority projects (joint university programs, etc.)

Priority Projects refer to joint university projects and projects conducted under direct contracts with national or local governmental entities. These projects are given priority in the allocation of facility and equipment time.

Priority Projects are not accepted through the Regular Access Call. Applications may be submitted on an ongoing basis by filing the Facility Use Application Form, after prior consultation with the relevant facility or equipment manager regarding technical feasibility.

Applicants of Priority Projects related to joint university programs must submit their applications to the following designated university offices:

〇Nuclear Facilities Collaborative Management Headquarters (Inter-University Laboratory for the Common Use of Nuclear Facilities), The University of Tokyo

http://www.tokai.t.u-tokyo.ac.jp/kaihoken/

〇International Research Center for Nuclear Materials Science (Oarai), Tohoku University

http://www.imr-oarai.jp/

④Trial Use

Trial Use is a scheme that allows industrial users (excluding academic users) to use JAEA facilities free of charge for the first time, limited to once per fiscal year, for projects that may lead to future use of JAEA facilities. For details, consult with the relevant facility or equipment manager.

3.2 Application Methods for Facility Use

(1) Regular Access Call

Applications through the Regular Access Call are conducted in November of the fiscal year preceding the intended use period. For example, for use from April 1, 2027 to March 31, 2028, the Regular Access Call is held in November 2026. However, the use period for the Large Synchrotron Radiation Facility (SPring-8) runs from April 1 to September 30. An additional Regular Access Call is conducted in May.

For General Projects (Non-proprietary), applicants submit an Experimental Report proposal during this period.

Competitive funding projects require prior consultation with the facility or equipment manager before submission.

After submission, the documents are reviewed by the Technical Committee from a technical and comprehensive perspective, including the scientific validity of the project, the necessity, feasibility, and safety of using JAEA facilities and equipment, and past achievements by the applicant and project members using our facilities and equipment.

Before applying, applicants are asked to consult with the relevant facility or equipment manager in advance regarding the technical aspects of the proposed project. For further details, refer to the application guides and related documents.

Applicants who have already applied for the use of JAEA facilities or equipment under programs publicly solicited by universities or other organizations are asked to refrain from submitting duplicate applications under this program.

(2) Ad-hoc Submission

For General Projects (Non-proprietary), applications are not accepted on an ad-hoc basis in principle. However, submissions may be accepted only when urgency is recognized. Priority Projects that have undergone prior consultation with the relevant facility or equipment manager are accepted on a priority basis.

For Proprietary Projects, applications may be submitted on an ad-hoc basis. In this case, submission of a Project Proposal is not required. Applicants should consult with the relevant facility or equipment manager in advance regarding the technical aspects of the proposed project and then submit the Facility Use Application Form directly.

Depending on the availability of facilities and equipment, ad-hoc applications may not be accepted. Applicants are encouraged to apply through the Regular Access Call, where facility time is determined earlier. Applicants who wish to conclude a non-disclosure agreement for Proprietary Projects should contact the contracting office.

4. Usage Fees

Users of the facility are required to pay usage fees. The structure of usage fee is as follows:

Usage fees (F)	=	(1) Handling fee (H)	+	(2) Expenses related to facility operation (A)	+	(3) Additional expenses (Z)	+	(4) Expenses related to radioactive waste storage, treatment, and disposal (W)

The facility usage fees consist of four components.

Component A, Expenses related to facility operation, varies depending on the treatment of results and the project category. Refer to the table below for details.

Regardless of the table below, "General charge" applies f from overseas (excluding non-proprietary research) . For use of the Naraha Center for Remote Control Technology Development, the "General fee "applies, with special measures available depending on conditions.

The usage fees posted on the website may be revised in the future due to review of the expense ratio.

<table>
<tr><th colspan="3" rowspan="2">Usage Categories for R&D Projects</th><th colspan="4">Usage Fees (F)</th></tr>
<tr><th>(1) Handling fee per use (H)</th><th>(2) Expenses related to facility operation (A)</th><th>(3) Additional expenses (Z)</th><th>(4) Expenses related to radioactive waste storage, treatment, and disposal (W)</th></tr>
<tr><td rowspan="5">External Use Category</td><td rowspan="2">Non-proprietary Research</td><td>General projects</td><td rowspan="6">¥13,300*</td><td>Basic charge</td><td rowspan="6">If extra expenses are required, additional expenses will be charged</td><td rowspan="6">If radioactive waste is generated, expenses related to its treatment and disposal will be charged.</td></tr>
<tr><td>Competitive funding projects</td><td>Preferential charge</td></tr>
<tr><td rowspan="2">Proprietary Research</td><td>Usage promotion projects</td><td>Partial exemption of General charge</td></tr>
<tr><td>General projects</td><td>General charge</td></tr>
<tr><td colspan="2">Priority projects (Joint university projects, etc.)</td><td>Preferential charge</td></tr>
<tr><td colspan="3">Trial Use</td><td>Free</td></tr>
</table>

* Handling fee for the Naraha Center for Remote Control Technology Development.:¥900

(1) Handling fee

A handling fee of ¥13,300 per application will be charged to all users, except for Trial Use. For application to the Naraha Center for Remote Control Technology Development, the handling fee is ¥900.

(2) Expenses related to facility operation

The expenses related to facility operation are determined by type of project and the facility, Refer to the List of Charges.

The "basic charge" means that expenses related to the facility operation (A), excluding the cost of consumables and waste disposal, are exempted. The "Preferential charge" consists of to the "basic charge" plus the cost of utilities and maintenance, and allows priority use of the facility.

For non-proprietary research projects, the fee applies only when the user submits the experimental report by the deadline and publishes the results, such as in a peer-reviewed paper, within two years after the end of the facility use.

(3) Additional expenses

Additional expenses will be charged, only when special costs are required in response to the user's request. As a general rule, actual costs and overheads will be charged however some expenses have been predefined in the List of Charges. Billing for **OSL badges** is made on a quarterly basis (monthly for female user).

Major additional costs include expenses for the following: equipment operation and handling services; technical assistance related to equipment operation and manipulation, preparation of experimental samples, and analysis of experimental data; use of facilities not covered by this program, transportation of test samples, and procurement consumables.

Regarding fees for human services and technical assistance, the staff members in charge of the facility and equipment will provide an initial explanation on equipment operation and safety precautions at the start of use without charge. Any additional support requested from JAEA staff beyond this initial explanation will be charged as additional expenses. The amount will be determined based on the grade of the JAEA personnel and the actual time of required (see Direct Labor Cost Table). Consult the facility or equipment staff in advance, if you have any questions. These costs may be waived, if the project report is submitted after the end of the facility use and the published results credit JAEA staff members as co-authors.

However, the costs necessary for the pre-treatment for the Tandetron accelerator mass spectrometer and the Pelletron accelerator for radioactive age determination will not be subject to exemption, because they do not relate to human services or technical assistance.

(4) Radioactive waste storage, treatment, and disposal expenses

As a general rule, radioactive waste generated during facility use (hereinafter referred to as the 'contract-related waste') should be promptly removed from the site once the facility use has ended. However, if the user does not possess storage facilities, JAEA, in place of the user, will store or dispose of the contract-related waste.

For the costs related to the treatment and disposal of the contract-related waste, refer to the List of Charges for the Treatment and Disposal of Radioactive Waste.

In addition, concerning the expenses for the processing and disposal of radioactive waste from irradiation capsules at JRR-3, refer to the List of Charges for the Storage, Treatment, and Disposal of Radioactive Waste Produced by Capsule Irradiation.

5. Submission of the experimental report and publication of results (Non-proprietary Research)

The User who uses the Facilities under a Non-proprietary Research shall submit a experimental report to JAEA and publish research results. If the User has not submitted a project report or publish research results by the deadline, the User shall pay the difference between the usage fee applied to a Proprietary Research and the usage fee the user already paid.

(1) Experimental report

The experimental report must be submitted by the last day of the second month following the month in which the facility use ends (for example, if the use ends in mid-September, the deadline will be the end of November).

(2) Publication of Research Results

The deadline of publication is within 2 years from 1 April of the year following the Facility Use Fiscal Year.

Research result must be publish through journal article or other methods such as scientific journal articles, review articles, proceedings, monographs, magazines, industry journals, company reports, academic conferences, symposia, keynote presentations at international meetings, oral presentations at academic settings, prize-winning presentations, press releases, patent applications, etc.).

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.

After publication, promptly submit the Publication of the Results Notification Form together with copies of the publication or other relevant materials to the contracting office. The forms for the Experimental Report and the Publication of the Results Notification Form can be downloaded from the website.

6. Application Qualifications

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

For industrial application promotion projects, the applicant must be a researcher or other personnel engaged in research in the private enterprise sector.

7. Notes on use of the Large Synchrotron Radiation Facility (SPring-8)

The projects Non-proprietary Research using JAEA's dedicated SPring-8 beamline must satisfy the requirements of both JAEA and the Japan Synchrotron Radiation Research Institute (JASRI). Details of JASRI requirements can be found in the "Call for SPring-8 research proposal"

Under JASRI's requirements, research results must be published within three years after the end of proposal term in a refereed journal article or equivalent publication, clearly indicating that SPring-8 was used (the proposal number must be specified) and must be registered in the "SPring-8 Research Results Database.

If these JASRI requirements are fulfilled within two years from 1 April of the year following the Facility Use Fiscal Year, they are regarded as satisfying JAEA's publication requirements as well.

Patent applications do not meet JASRI's public disclosure requirements.

8. Inquiries

Inquiries regarding the Shared Use Program and contractual procedures should be directed to:

Intellectual Property and Industry-Academia Collaboration Section
Research and Development Promotion Department
Japan Atomic Energy Agency
4-49 Muramatsu, Tokai-mura, Naka-gun, Ibaraki 319-1112 JAPAN
E-mail: renkei.shisetsu@jaea.go.jp

Questions concerning the joint university programs should be directed to the office of the respective universities.