

# Job Description for Professional Posts

**Reference:**NA2024/19

<b>Position and Grade:</b>	Associate Project Officer (Socioeconomics), P2
<b>Organizational Unit:</b>	Physics Section Division of Physical and Chemical Sciences
<b>Duty Station:</b>	Vienna
<b>Type/Duration of Appointment:</b>	FT – JPO, 1 year with possibility of extension

## Organizational Setting

The Department of Nuclear Sciences and Applications implements the IAEA's Major Programme 2, "Nuclear Techniques for Development and Environmental Protection". This Major Programme comprises individual programmes on food and agriculture, human health, water resources, environment and radiation technologies. These programmes are supported by laboratories in Seibersdorf, Monaco and Vienna. The Major Programme's objective is to enhance the capacity of Member States to meet basic human needs and to assess and manage the marine and terrestrial environments through the use of nuclear and isotopic techniques in sustainable development programmes.

The Division of Physical and Chemical Sciences is responsible for assisting and advising Member States in research and development for the nuclear sciences, especially the physical and chemical sciences. Specifically, the Division provides support to Member States in the following fields: production of radioisotopes and radiolabelled products for applications in health care and industry; radiation source applications; research reactor utilization; applications of accelerators and nuclear instrumentation; nuclear and atomic data for applications; controlled nuclear fusion and isotope hydrology and geochemistry.

The Physics Section is responsible for planning and implementing activities in the areas of (i) effective utilization of research reactors, (ii) fostering relevant research and development and applications using particle accelerators and related instrumentation, and (iii) plasma physics and fusion, in order to enable Member States to avail themselves of the benefits of nuclear sciences and technologies. It operates the Nuclear Science and Instrumentation Laboratory, located at the Agency's Laboratories in Seibersdorf, which assists laboratories in Member States to improve the effective utilization of nuclear spectrometry and related instrumentation by providing technical advice, training, calibration services, assistance with the modification and development of nuclear instruments and with new applications of nuclear spectrometry techniques in various fields, including energy related applications, environmental monitoring, industry, and the study of cultural heritage objects.

## Main Purpose

As a member of a team led by a Section Head, Associate Project Officer provides direct support to the development and implementation of IAEA activities to increase relevant capabilities within interested Member States for strategic planning, cost-benefit analysis, socioeconomic impact assessment,

knowledge transfer and deployment of technology in the area of particle accelerators and neutron sources.

## **Role**

The Associate Project Officer fulfils several roles within the team: (i) a team member coordinating and implementing IAEA activities under the direct oversight of the Section Head covering the financial feasibility study and socioeconomic impact assessment of different particle accelerators and neutron sources; (ii) a facilitator, encouraging internal and external cooperation and development through communication with both IAEA and external project stakeholders; (iii) a technical writer producing documents relating to applications of particle accelerators and neutron sources; and a team member of IAEA missions to interested Member States working to address relevant challenges and issues associated with establishment and sustainable usage of particle accelerator and neutron source facilities.

## **Partnerships**

The Associate Project Officer provides technical advice and coordinates detailed activities under the overarching guidance of the Section Head to internal and external stakeholders, IAEA programme managers in other sections and departments on programmatic and cross-cutting issues and initiatives. Financial feasibility studies and socioeconomic impact assessments are performed in close cooperation with the UNIDO and Planning and Economics Studies Section of the IAEA Department of Nuclear Energy.

## **Functions / Key Results Expected**

- Under the direct guidance of the Section Head:
  - Implement the IAEA's activities on particle accelerators and neutron sources to meet IAEA programmatic objectives;
  - Produce detailed technical report about the methodologies applicable to financial feasibility studies, cost-benefit analysis and socioeconomic impact assessments for establishment and sustainable usage of accelerator and neutron source facilities.
- Within the scope of relevant projects, initiate, plan and conduct meetings for Member States to review and discuss the status and progress achieved to overcome challenges related to particle accelerators and their applications. Undertake studies and comparative assessments of various specific issues and present conclusions, recommendations, lessons learned, etc.
- Coordinate/liaise with external institutions and stakeholders; gather, maintain and apply knowledge of international good practices and future trends in the subject area.
- Contribute to the development of documents and technical reports on important aspects of project activities related to particle accelerators and their applications and update IAEA publications and databases in the subject area.

**RESTRICTED****Competencies and Expertise (do not revise or edit)**

<b>Core Competencies</b>		
<b>Competence</b>	<b>Occupational Role</b>	<b>Behavioural Indicator</b>
Communication	Individual Contributor	Communicates orally and in writing in a clear, concise and impartial manner. Takes time to listen and understand the perspective of others and proposes solutions.
Achieving Results	Individual Contributor	Takes initiative in defining realistic outputs and clarifying roles, responsibilities and expected results in the context of the Department/Division's programme. Evaluates his/her results realistically, drawing conclusions from lessons learned.
Teamwork	Individual Contributor	Actively contributes to achieving team results. Supports team decisions.
Planning and Organizing	Individual Contributor	Plans and organizes his/her own work in support of achieving the team or Section's priorities. Takes into account potential changes and proposes contingency plans.

<b>Functional Competencies</b>		
<b>Competence</b>	<b>Occupational Role</b>	<b>Behavioural Indicator</b>
Analytical Thinking	Associate	Gathers and analyses information, identifying critical relationships and patterns among data and proposes workable solutions.
Technical/Scientific Credibility	Associate	Acquires and applies new skills to remain up to date in his/her area of expertise. Reliably applies knowledge of basic technical/scientific methods and concepts.

<b>Expertise</b>	
<b>Expertise</b>	<b>Description</b>
Finance/Economy	Good knowledge of financial and socioeconomic studies, with linkage to feasibility projects, including infrastructure, financial and organizational aspects required to implement them. Experience in policy strategies for research projects/facilities, including cost-benefit analysis and socioeconomic studies.

**RESTRICTED**

## **Education, Experience and Language Skills**

- University degree in finance/economy or related field.
- Course certificate or secondary diploma in technology or engineering is an asset.
- Minimum two-year experience in feasibility studies, cost-benefit analysis and socioeconomic assessment with proven ability to participate effectively in a multinational and multidisciplinary team with sensitivity and respect for diversity.
- Experience in technical writing in English for producing and reviewing documents in the subject area.
- Fluency in spoken and written English. Knowledge of any other official IAEA language (i.e. Arabic, Chinese, French, Russian or Spanish) would be an advantage.