

The Arab Republic of Egypt
Atomic Energy Authority (AEA)
National Centre for Nuclear Safety and Radiation Control
(NCNSRC)

*Call for Pre-qualification of International Consultants
for the Egyptian Regulatory Body in the field of Nuclear
Regulatory of Nuclear Power Plants*

- Referring to the on-going activities of Egypt for the construction of nuclear power plants for electricity generation.
- The National Centre for Nuclear Safety and Radiation Control (NCNSRC) of the Atomic Energy Authority (AEA), a governmental organization, invites international eligible consultants to submit their pre-qualification documents for providing regulatory consultant services for the regulatory body in the field of nuclear regulatory of nuclear power plants.
- The objective is to have a list of the international qualified consultants in the field of nuclear regulatory consultant services of nuclear power plants.
- The pre-qualification shall be governed by Egyptian Law No. 89/1998 for tenders and bids and its executive regulations.

1- Scope of Work

The scope of work to be covered by the consultants includes establishment, development and implementation of the following regulatory activities:

- Manpower development for regulatory staff in the field of regulatory review and assessment as well as regulatory inspection and enforcement during different licensing stages starting from site approval permit to commercial operation stage. This could be executed through theoretical, practical and on-the job training in Egypt and Abroad.
- Supply and training of up to date computer safety codes and programs (including simulation programs) in all the fields related to review and assessment, as well as inspection of NPP.
- Development and execution of quality management system for the regulatory body.
- Issuing and developing of guidelines, regulations, standards and procedures related to the regulatory work of NPP.
- Development and execution of database and documentation exchange system (DXS) for the regulatory body.
- Detailed and full regulatory review and assessment of the site evaluation report and issuing the required regulatory documents for the site approval permit of the first nuclear power plant in Egypt.
- Detailed and full review and assessment of Environmental Impact Assessment (EIA) report and issuing the required

regulatory documents which are part of the site approval permit for the first nuclear power plant in Egypt.

- Detailed and full review and assessment of Preliminary Safety Analysis Report (PSAR) and Final Safety Analysis Report (FSAR) and all required regulatory documents for the other licensing stages of the first nuclear power plant in Egypt.

2- Qualifications of the Consultant

- The consultant (regulatory bodies/ consultant firms) shall have an extensive and proven present and past experience in the following regulatory activities:
 - Manpower development for regulatory staff in the fields of review and assessment as well as regulatory inspection and enforcement during different licensing stages starting from site approval permit to commercial operation stage of nuclear power plants.
 - Supply and training of up to date computer safety codes and programs (including simulation programs) in all the fields related to review and assessment, as well as inspection of NPP.
 - Development and implementation of quality management system for regulatory bodies.
 - Issuing and developing of guidelines, regulations, standards and procedures related to regulatory work of NPP.

- Detailed and full review and assessment of all safety documents supplied by the applicants/owners of NPP for the entire licensing stages from site approval permit to operation license such as Site Evaluation Reports (SER), Environmental Impact Assessment Report (EIA), Preliminary Safety Analysis Report (PSAR) and Final Safety Analysis Report (FSAR) and other regulatory document.
- Licensing activities of NPP.
 - The consultant must have in his country and/or internationally a proven regulatory technical services and licensing experience of NPP in the fields described in the scope of work for at least successfully approved and commercially operated three nuclear power plants of 600 MW or larger capacity using water-cooled reactors technologies.
 - The consultant shall be completely independent of Nuclear Power Plant Authority of Egypt (NPPA) or any of its consultants, or any contractors, or sub-contractors, or any organizations in relation with NPPA, or any body which may generate conflicts of interests, or any participants in any aspects or works related to nuclear power plant projects in Egypt.

3- Documents to be Supplied by the Consultants

The consultant (regulatory bodies/ consultants firms) must provide the following documents:

- The consultant's identification and information.

- Quality manual.
- Proof of financial and economic capacity by means of the balance sheets for the last three financial years.
- Experience resumes and biographic data for each managerial, professional and key personnel of the consultant or subcontractors (if any) assigned and involved in consultants work activities including fulltime and part time employees.
- Legal documents of the consultant including legal framework and date of establishment, number of employees, name of legal representative, selected domicile, etc.
- A list of subcontractors (if any) and their field of experience assigned and involved in any of present and past work activities of the consultant.
- Past and present experiences in the fields mentioned in item No. (2).
- A list of references regulatory bodies or organizations awarded the consultant for the provision of regulatory services similar to those required by NCNSRC (NCNSRC may elect to contact any of the given regulatory bodies or organizations for a reference without previous permission from the consultant).
- **For each project of consultant's experience, the following information shall be provided by the consultant:**
 - Name, address, contact person of regulatory bodies /organizations /owners /licensee to which consultant supplied the services.
 - Location of the project.

- Types of project agreement (Turnkey, Packages, etc.).
- Dates of agreement award, scheduled and actual completion date.
- Dates of commercial operation of NPP project.
- Description of scope of services with costs.
- Manpower utilized in each project.
- Copy of statement indicating satisfaction with proposed service.

The pre-qualification documents are to be submitted by hand or by registered post on or before **sixty days** from the advertisement date at 12.00 noon (Cairo local time) to the following address:

Arab Republic of Egypt

National Centre for Nuclear Safety and Radiation Control

3, Ahmed El-Zomor Street, El-Zohoor District, Nasr City, Cairo

P.O.Box.7551, 8 th District Post Office

Postal Code: 11762

Telephone: (00202) 22 740238

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