

**Office of the Dean Research and Development
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103**

Project Code: DRC/DST/CEGESS/PC/007/18-19

**Centre of Excellence for Green Energy & Sensor Systems
Indian Institute of Engineering Science & Technology (IEST), Shibpur
Howrah-711 103**

Ref.: Tender Advt. No. CGE 1426, dated 29.10.2018

Notice Inviting Quotations

Sealed quotations are invited for the service of:

Item 1. Website Design.

As per the following technical specification. The technical specification can be downloaded from the website. The document can be also obtained from the Centre of Excellence for Green Energy & Sensor Systems (**Contact: Prof. H. Saha/Prof. P. Chaudhuri**) between 10.00 a.m. and 6.00 p.m. on all working days. The invitation is valid for 07 working days from the date of publication of this notice.

Dean (R & C)

(A. Code DRC-T044/18-19)

SECTION I: TERMS & CONDITIONS :-

1. The last date of receipt of Techno-commercial quotation is valid **for 07 working days** from the date of publication of this notice. Quotations received later will not be entertained under any circumstances.
2. Potential supplier are to submit the quotations in Sealed Cover to the Centre of Excellence for Green Energy & Sensor Systems in the following address:

Prof. H. Saha / Prof. P. Chaudhuri
CEGESS
IIEST, Shibpur
Howrah-711 103, India.

3. Item name must be mentioned on cover.
4. Credentials including list of earlier clients in Educational / Scientific Institutes.
5. The price quoted should be inclusive of all Taxes in INR, duties and levies. Inclusion of Tax/Levy at a latter stage will not be accepted. Freight, Insurance charges should be clearly indicated. If GST is chargeable then price quoted should be inclusive of GST in INR.
6. Vendor should have proven track record of supply in IIEST, IIT, NIT, IISc.
7. Commercial Papers (Trade License, PAN,GST) duly signed & must be attached.

SECTION II: TECHNICAL SPECIFICATIONS :-

Item 1.

Website Design

TECHNICAL SPECIFICATION

The sole objective of the project is to **designing and development of a dynamic web site (Portal) for DST-IIEST Solar PV Hub**. This Hub will act as the central controlling organization to promote Green Energy related research and necessary industry collaboration. This portal will act as a collaboration platform for all members under this hub. Model site <http://www.seriius.org>.

I. Users of the website

For all the Institute related information, the envisaged portal will be used by the members, students, faculty members and administrative staff for their day-to-day activities. It will also be used by members, students, employees, visitors, partner institutes and businesses, other government departments and agencies in India and abroad.

II. Functional Requirements

The website will be based on a Web Content Management System (WCMS). Facility to update content by multiple users from anywhere through browser based administrative module using suitable WYSIWYG editing tools allowing non-technical users to create and edit content.

(A) Web Content Management System (WCMS)

- The WCMS shall have the ability to expand a single implementation (one installation on one server) across multiple domains, depending on the server's settings.
- Template based. ***Final decision will be taken by CEGESS on the template to be implemented.***
- Shall be able to include plug-ins or modules that can be easily installed to extend the site's functionality.
- Should support user Groups, allowing the administrator to control how registered users interact with the site. A page on the site can be restricted to one or more groups.
- Shall be able to create microsites/web portals within a main site as well.
- Shall act as a Collaboration platform allowing content to be retrieved and worked on by one or many authorized users. Changes can be tracked and authorized for publication or ignored reverting to old versions. It shall allow multiple users to modify (or comment) a page at the same time in a collaboration session.

(B) Basic features

- Each link created by admin should specify the title of page and admin should have provision for entering date by which the link may expire. The default shall never expire.
- Dynamic Photo gallery/Video Management System: Facility to manage photo gallery via an administrative control panel, facility to create photo gallery category dynamically. i.e. add/edit/delete photo gallery categories, facility to upload new pictures to these categories along with caption, facility to manage pictures and caption.
- Dynamic News/Events/Notification Management System: Facility to manage Departmental News/Events/Notification through an administrative control panel through browser based administrative module using a WYSIWIG editor

(C) Navigation

- Design should be flexible to accommodate new pages.
- Menu Management – Ability to add, move, delete, modify menus on the site.
- It should provide for flexibility to modify the design when a major event has to be published.
- Design should allow changing the interface templates for fresh new look as and when required.
- The portal should be based on International standards like W3C standard for HTML and to follow GIGW norms

(D) Publication Management

- A CMS page where all publication e-Version (PDF) can be linked. As it is a CMS page, new publication can be added.

(E) R&D Highlights Management

- A CMS page where all R&D Highlight e-Version (PDF) can be linked. As it is a CMS page, new R&D Highlights can be added.

(F) Newsletter Management

- A CMS page where all Newsletter e-Version (PDF) can be linked. As it is a CMS page, new Newsletter can be added.

(G) Members under the Hub and their activities

- The main objective of this portal is to offer a collaboration platform for all members of the Hub.
- All members will receive an independent Login credential to manage its profile.
- Each member can create a sub-site with WCMS Pages of its own to describe its activities, achievements, case studies.