



# NCSTM

राष्ट्रीय विज्ञान  
संग्रहालय परिषद्  
संस्कृति मंत्रालय  
भारत सरकार



NATIONAL COUNCIL OF SCIENCE MUSEUMS

Ministry of Culture, Govt. of India

Ref: I-18012/2/23(127)

Date: 06.07.2023

2330 to 2333

To  
Office Copy

**SPEED POST/EMAIL**

Dear Sirs,

**Sub: Limited tender enquiry for Design, Development and Commissioning (Web-Hosting) of Web based Virtual Exhibition on 'Liberation of Hyderabad Samstan' reg**

The National Council of Science Museums (NCSTM) is an autonomous organization functioning under the Ministry of Culture, Government of India for propagation of Science among masses and student community in particular through its wide network of 25 Science museums and centers spread across the country.

It is to inform you that we are going to develop a web based virtual exhibition on 'Liberation of Hyderabad Samstan'. To develop this exhibition, it is necessary to execute the work in following steps: 1) Content Development, 2) Design of user interface, 3) Video editing, 4) Audio recording, 5) Integration and uploading into Salarjung Museum Web based virtual exhibition (may be through external link), 6) Mobile version of the web based virtual exhibition and 7) Development of mobile application (APK for Mobile and Mac).

Since, to the best of our knowledge goes, the activity of your organization is emerged in this field, we would request you to kindly quote your best competitive offer indicating acceptance of the Eligibility Criteria, Terms & Conditions, Evaluation/ Selection Criteria, Scope of Work, NIT etc in **sealed envelope**, which must be reached to "**Section Officer, Stores & Purchase, Central Research & Training Laboratory, National Council of Science Museums, 33, Block GN, Sector V, Saltlake, Bidhannagar, Kolkata 700 091**".

The offer should be submitted in two sets , one 'Technical Bid' and second 'Financial Bid'.

1. First set should have in a separate sealed cover containing a copy of this Tender Document duly signed and stamped on each page for acceptance of NIT conditions and requisite documents required for submission of the tender.

...2...

राष्ट्रीय विज्ञान संग्रहालय परिषद्  
National Council of Science Museum  
33 ब्लॉक-जी.एन., सेक्टर-V, बिधान नगर  
33, Block-GN, Sector-V, Bidhannagar,  
कोलकाता-91 / Kolkata-91

कार्यालय प्रांती/Office Copy

पूर्णवन/Enclosure ना/No तिथि/Date

तिथि/Date 6-7-23

Signature C. Roy

33, BLOCK-GN, SECTOR-V, BIDHAN NAGAR, KOLKATA-700091, INDIA  
PHONE: (91) (33) 23575545, 23579347, 23570850, FAX : (91) (33) 23576008  
e-mail : sciencecentre@ncsm.gov.in, website: www.ncsm.gov.in

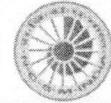


33, ब्लॉक-जी एन, सेक्टर-5  
विधान नगर, कोलकाता-700091



**NCSM**

राष्ट्रीय विज्ञान  
संग्रहालय परिषद्  
संरक्षित मंत्रालय  
भारत सरकार



**NATIONAL COUNCIL OF SCIENCE MUSEUMS**

Ministry of Culture, Govt. of India

: 2 :

2. Second set should have in a separate sealed cover containing Price Bid mentioning the basic price and GST etc. GST percentage should be clearly mentioned. Please note that two separate rates are to be quoted i.e. for 1) Web-Hosting and 2) AMC charges for 3 years.
3. The 'Technical Bid' and 'Financial Bid' should be in a single sealed cover clearly indicating the name of the Tender, Tender No. and due date of opening on sealed cover.
4. At first stage, Technical bids will be opened & scrutinized and at the second stage, financial bids of the technically qualified bidders will be opened.

You are requested to quote your competitive offer indicating acceptance of the above Terms & Conditions and NIT in sealed envelope, which must reach to our office on or before 17.07.2023 at 12.00 Noon positively.

We solicit an early response from your end.

With kind regard,

Yours faithfully,

*A Pal*  
06/07/23  
(A Pal)

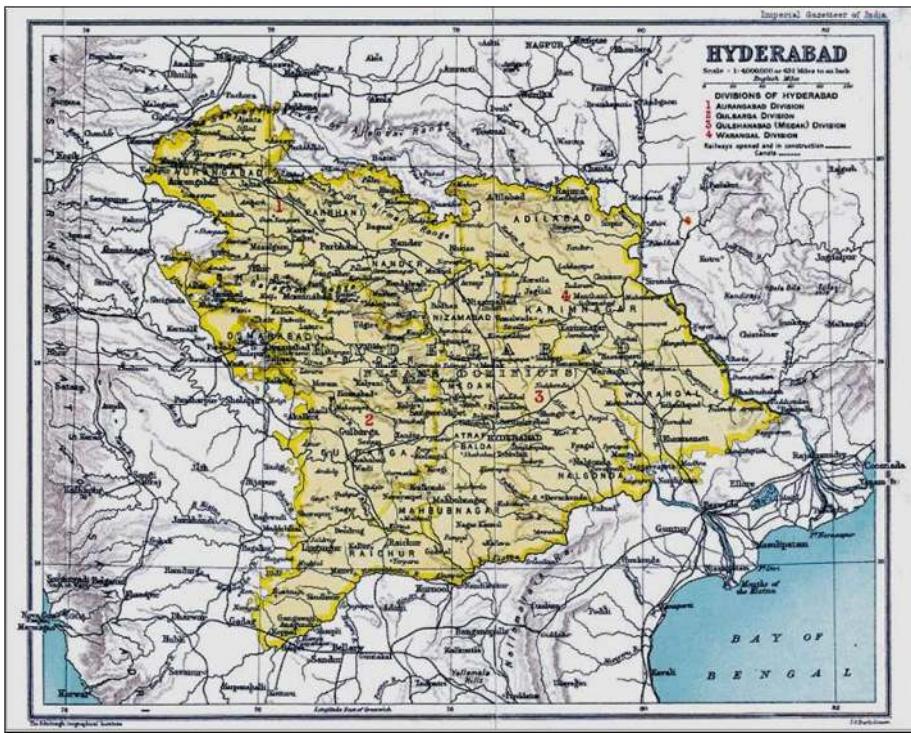
Section officer (Stores & Purchase)

Encl: 1) NIT document



33, ब्लॉक-जी एन, सेक्टर-5  
विधान नगर, कोलकाता - 700091

33, BLOCK-GN, SECTOR-V, BIDHAN NAGAR, KOLKATA-700091, INDIA  
PHONE: (91) (33) 23575545, 23579347, 23570850, FAX : (91) (33) 23576008  
e-mail : sciencecentre@ncsm.gov.in, website: www.ncsm.gov.in



# TENDER DOCUMENT FOR

## **Design, Development and Commissioning (Web-Hosting) of Web based Virtual Exhibition on ‘Liberation of Hyderabad Samstan’**



National Council of Science Museums  
(Ministry of Culture, Govt. of India)  
33, Block – GN, Sector – V, Bidhan Nagar  
Kolkata - 700091

**Title of the Work:**

**Design, Development and Commissioning (Web-Hosting) of Web based Virtual Exhibition on 'Liberation of Hyderabad Samstan'**

Tenders under Limited Tender Enquiry method are invited in Two Bid System from the well-known competent Company/Firm/Agency/Consortium, who satisfy the eligibility criteria enumerated in the document.

NCSM invites bids for **Design, Development and commissioning (Web-Hosting) of Web based Virtual Exhibition on 'Liberation of Hyderabad Samstan'**

This will be based on the following broad story-line:

**INTRODUCTION**

India got independence on August 1947. The integration of the Princely States (also called Native States) was one of the greatest achievements of Independent India. It was a cumbersome task because, without the integration of these Native States, the dream of creating a strong Indian Union would have remained unfulfilled. These native states were spread all over India. There was a total of 562 in number out of which 80 were located within territories allotted to Pakistan and the remaining 482 were located within the dominion of India.

Some of these native states like Hyderabad were very big while some others like Bilbari were very small. The task of Integrating these Native States was handled by Sardar Patel, the iron man of India with great perfection.

Hyderabad was one of the largest of the 600-odd Princely States that dotted the British India. When on June 3, 1947, 'Mountbatten Plan' the British announced the partition of India and transfer of power to the succeeding dominion of India and a seceding dominion of Pakistan, the British also declared the lapse of paramountcy over the Princely States and offered them to join either of the dominions depending on the geographical contiguity. By 15 August 1947, most of the Princely States signed instrument of Accession to India, while a few including Hyderabad refused to do so and signed a standstill agreement with India. However, disturbing news of Hyderabad's hobnobbing with Pakistan, financial aid from Nizam to the Govt. of Pakistan and Nizam's plan to import arms and war planes from Pakistan, alarmed India and Govt of India decided to launch a military action codenamed 'Operation Polo' under the command of Major General Jayanto Nath Chaudhuri on 13 September 1948 and by the 17th, the Hyderabad Army and the notorious militia called Razakars were completely routed and Hyderabad was liberated. On 17th September 1948, more than one year after India secured Independence from the British, the state of Hyderabad got its independence from Nizam's rule. Maj Gen Chaudhuri was made the Governor. The liberation of Hyderabad was possible due to the swift and timely action by the first Minister of Home Affairs of India, Sardar Vallabhbhai Patel under Operation Polo.

During 1950-56, Hyderabad existed as a full-fledged State of India (with the Nizam as the Rajpramukh) holding general elections for the Parliament and the Assembly. The state of Hyderabad under the Nizam included the whole of current day Telangana, the Marathwada region in Maharashtra that included the districts of Aurangabad, Beed, Hingoli, Jalna, Latur, Nanded, Osmanabad, Parbhani and districts of

**Dated**

**Official Seal**

**Signature of the Tenderer/Constituted Attorney**

Kalaburagi, Bellary Raichur, Yadgiri, Koppal, Vijayanagar and Bidar in Mysore (current day Karnataka). During the State Reorganizations in 1956 based on language, most parts of Hyderabad were assimilated into Andhra Pradesh while some districts went to Maharashtra and Mysore. Thus, the integration of Hyderabad with Indian Union was complete.

Ministry of Culture, Govt of India initiated a year-long commemoration of the Hyderabad Liberation Day on 17th September 2022. The Government of India has approved the yearlong commemoration of the 'Hyderabad Liberation Day' for the period 17th September, 2022 to 17th September, 2023. The year-long commemoration is aimed at paying tribute to all those who gave their lives for the liberation of Hyderabad Samsthan and its integration with the India Union.

**Eligibility Criteria for Applying:**

Agencies / production houses that are fulfilling the following conditions will be eligible for submission of Limited Tender:

- i. The bidder could be an Individual, Limited Company/Corporation, Proprietary Firm, Partnership Firm/Company etc. Consortium or Joint Venture are allowed to bid for the Works.
- ii. The bidder should have a minimum experience of 05 years preceding the proposal due date, in the similar field of works. Experience should be in similar work\*.
- iii. The registered company/firm should have well trained production team (Developer web developer, cinematographer, motion graphic artist etc.), having graphics & VFX Animation Studio etc. (well build-up infrastructure).
- iv. Firms / Companies should have average annual financial turnover of Rs. 15.00 lakhs during the last 3 financial years (AY 2022-23, 2021-22, and 2020-21). Exception may be considered only for AY 2021-22 (due to Pandemic).
- v. The Bidder should have the requisite work experience of completing similar projects during the last 5 years preceding the proposal due date.

Here the **Similar Works** means: Design and development of interactive multimedia interfaces (standalone data retrieval interfaces having video, audio and music etc.) for museums, tourist centres or any business centre etc. These may also include commissioning (Web-Hosting) of Web based Virtual Exhibition that contains interactive interfaces, animation-based interface and movie clips etc.

- vi. The bidder should provide documentary proof for the above in the form of a work order / supply order / contract document and completion report/ testimonials for completion.

**N.B Even though the bidders meet the above qualifying criteria, they are subject to be disqualified if they have:**

- a. Made misleading or false representation in the forms, statements and attachments submitted in proof of the qualification requirements; and/or

- b. Record for poor performance such as abandoning the works, not properly completing the contract, inordinate delays in completion, litigation history, or financial failures etc.

*Notes:*

1. Techno-Commercial bids of the agencies that fulfil the above pre-qualification criteria shall be opened.
2. The bidder must attach the compliance letter on its letterhead duly signed by the authorized signature & other supporting documents as asked for in the bid in scanned format. Failing to submit the same or non-compliance/deviation from any bid terms and conditions, eligibility criteria or technical specifications may result in rejection of the bid.

### **TERMS & CONDITIONS**

1. **RESPONSIBILITIES-** The vendor shall be fully responsible for the complete arrangement, maintenance and successful hosting of the Web based Virtual Exhibition <sup>1</sup> complying **GIGW guidelines** from the date of award of work order till the end of the period/termination.
  - (i) The Vendor shall coordinate with NCSM for Creation and Hosting of the trilingual (English, Hindi & Telugu) virtual exhibition which consists of Dynamic web contents, update of information and statistics on a regular basis. It will also include Additions, Modifications and Maintenance of the Web based Virtual Exhibition as per the information provided by the authority (authorized by NCSM) from time to time. It will also include creation of new web pages using latest technologies.
  - (ii) The design consideration for the Web based Virtual Exhibition should result in a dynamic eye-catching Web based Virtual Exhibition, with a pleasant and appealing color-code.
  - (iii) The Web based Virtual Exhibition should be optimized for load time, response time. Navigation and search. The optimization should cover all the areas like HTML, CSS, GRAPHICS, PDF and would be involved smaller page size and faster downloads.
  - (iv) The Web based Virtual Exhibition design should be supported by all current browsers and Computer, mobile, tab and other digital devices compatible.
  - (v) The Vendor will be responsible for providing single point of contact to provide from time-to-time amendments for hosting, uploading the required contents updates on the Web based Virtual Exhibition. Vendor must provide different communication links like genuine Postal address, E-mail, Fax, more than one Phone Nos. with a local emergency response (24x7) via local representative.
  - (vi) The Vendor will be responsible for completion of assigned task within one month from the date of award of work order.
  - (vii) The complete Source Code of Web based Virtual Exhibition along with the backup of Database with its URL (Domain Name), FTP Details, c-panel details, Email ID, User ID and Password will be the property of NCSM and should be provided to NCSM as and when required.
  - (viii) The vendor must get permission from the NCSM before changing of Domain Registry/Hosting Information, Control Panel, CMS, User IDs/Password etc. with a written request whenever required.

- (ix) Vendor shall maintain the Web based Virtual Exhibition fully protected from spyware, malware, hackers, intruders, viruses etc. for a period of three years.

**2. Technical Requirement:**

- I. Unlimited Web Server Space for hosting of the Web based Virtual Exhibition
- II. Creation, Maintenance and Renewal of Domain name as and when required.
- III. Search Engine Optimization (SEO)

**3. PAYMENT-** NCSM will not pay in advance. Payment shall be made against Invoice raised by the Vendor after successful completion of the work whereas the payment for the annual maintenance will be done against Invoice raised quarterly after subject to satisfactory performance (Please see Scope of Work-Annexure A).

**4. PRICE -** The price indicated by the vendor shall be the total amount for the entire work (excluding hosting charges and 3 Year AMC) and taxes as applicable. The price shall be firm and fixed for the entire period of the execution of the order. There might be some change in design, features, menu etc. during the period of work and no extra amount shall be paid for that.

**5. VALIDITY -** This contract shall remain in force initially for three year and will continue to be valid for next two consecutive years subject to satisfactory performance in the first year.

**6. TERMINATION**

NCSM shall be entitled to terminate the vendor for any breach of the Terms and Conditions or failure in providing services on time.

## **PROPOSAL EVALUATION / SELECTION CRITERIA**

A two-bid system under Limited Tender Enquiry will be adopted in evaluating the proposals.

1. **Eligibility Criteria Evaluation:** Any shortcoming of the documents will lead to rejection of the bid and other envelope will not be opened.

*The evaluation shall be carried out as detailed below:*

### **A. Technical Evaluation**

- i) The agencies qualifying based on their eligibility criteria will only be Technically Evaluated by a Committee appointed by the Council shall carry out its evaluation applying the evaluation criteria specified in the bid document. Evaluation of the application would be done as per the documents submitted.
- ii) Based on the technical assessment, agencies will be shortlisted and the financial bids of only the shortlisted agencies will be opened.

### **B. Financial Evaluation**

Financial bid of the technically qualified agencies will be opened, and the lowest financial bid would be the best financial bid and shall be awarded the work.

## Annexure – A

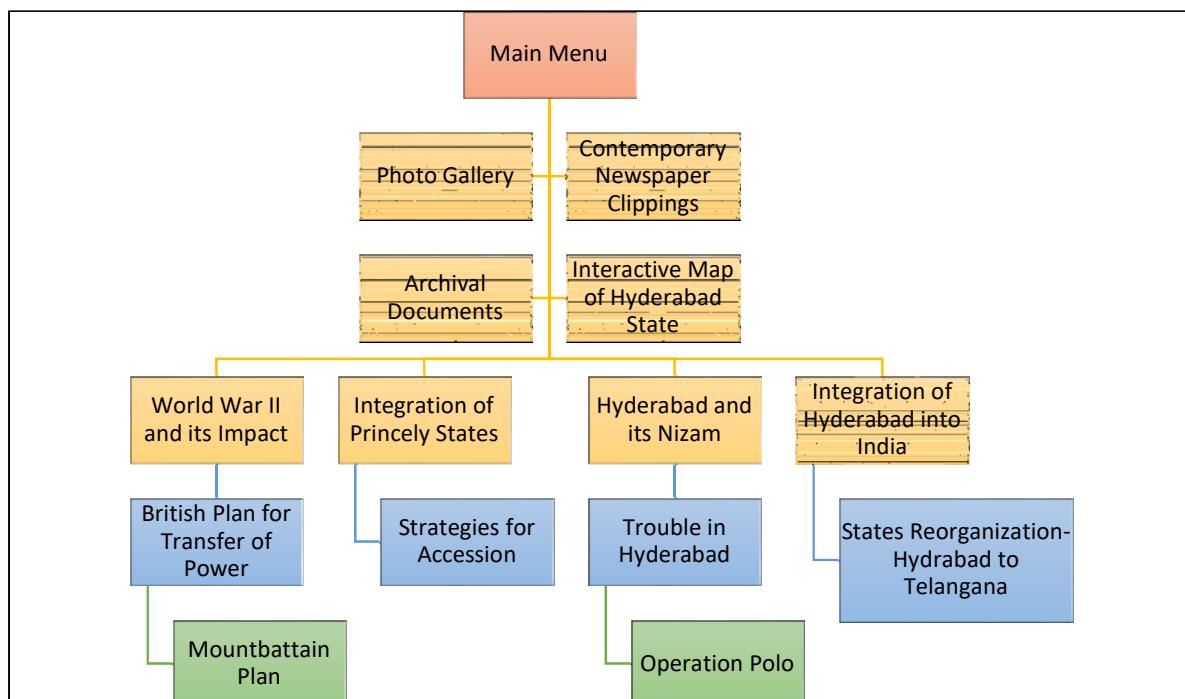
### **Scope of Work:**

#### **Design, Development and Commissioning (Web-Hosting) of Web based Virtual Exhibition on ‘Liberation of Hyderabad Samstan’ as per the following details:**

‘Liberation of Hyderabad Samstan’ is an internet-based online virtual exhibition based on the Accession of Hyderabad. It provides the interface to users in a form (GUI) format to browse and experience the story of accession. This application contains rich internet media such as immersive graphical UI, images, videos, audio files, digital copies of historic documents and an engaging story drafted by eminent scholars.

This entire application must be hosted over the internet and can be accessed by the viewer using various devices like computers and mobiles.

### **SCHEME OF THE WORK**



The bidder (agencies/individuals/consortium etc.) must quote for Design, Development and commissioning (Web Hosting) of Web based Virtual Exhibition on ‘Liberation of Hyderabad Samstan’, charges including all charges for the following:

**Dated**

**Official Seal**

**Signature of the Tenderer/Constituted Attorney**

**The work/ cost includes –**

- 1) Content Development
- 2) Design of User Interface
- 3) Video Editing
- 4) Audio Recording
- 5) Integration and uploading into Salarjung Museum Web based Virtual Exhibition (may be through external link)
- 6) Mobile Version of the Web based Virtual Exhibition
- 7) Development of Mobile Application (APK for Android and Apple)

***N.B - Separate Quote should be submitted for***

- i) Web-Hosting and ii) AMC (3 years)

**Technical Specification:**

**SYSTEM REQUIREMENTS**

**3.1 Software Requirements:**

1. Front end / Backend: HTML 5, JQuery, JS / CodeIgnitor
2. Browser: Chrome, Mozilla, or Edge.
3. Optional App can be developed for Android Systems / iOS

**3.2.1 Server (Hosting)**

1. Domain
2. 10 to 25 GB storage
3. Unmetered bandwidth
4. Daily backups
5. Server: Linux server
6. SSL Certificate

**3.2.2 End-user system**

1. CPU: Core i3 or higher x64 bit
2. RAM: 4GB or higher
3. Disk space: 4 GB or above
4. Internet connectivity
5. Windows 7 or above / Mac OS / Android
6. Browser: Chrome, Mozilla, or Edge.

**DEVELOPMENT REQUIREMENTS**

1. Web Development Platforms / Languages to be used (Bootstrap, CodeIgnitor, JS, JQuery, HTML5, CSS etc.)
2. Web Optimised video and audio (MPEG / OGG)
3. Rich Internet Experience based UI/UX (The experience to be vetted by NCSM)

**Dated**

**Official Seal**

**Signature of the Tenderer/Constituted Attorney**

4. Responsive web-based application to be developed
5. Minification of mark-ups and scripts to be done
6. All codes, scripts, media, font etc. should be used locally and no external elements to be embedded in the web-based application
7. Provision to be made for future Search Engine Optimization
8. Optimized graphical elements to be used
9. Own / third party hosting

**IMPORTANT INFORMATION:**

NCSM will provide the English Script.

NCSM will also provide archival documents.

Hindi and Telugu translation will be provided when 1<sup>st</sup> draft is approved.

The agency will collect images and videos from open sources or at their own cost.

**Period of Completion of Work:** The work needs to be completed within 30 calendar days; the 1<sup>st</sup> draft will be inspected after 20 days from the date of award of the work.

**EMD: Not required**

**Security Deposit: NIL**

**Estimated Cost: Rs. 12.00 Lakhs + GST**