

**TENDER**

**FOR**

**FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL  
INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR  
GEO SCIENCE MUSEUM, GWALIOR**

**Creative Museum Designers**

*(A Section 8 Company Guaranteed by National Council of Science Museums)*

*Govt. of India*

*33 Block- GN, Sector-V, Bidhannagar, Kolkata-700 091*

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## **PART OF: TECHNICAL BID**

### **NOTICE INVITING TENDER**

**Tender No. CMD- 007.12.52(WORKS)/22-23/31**

**Creative Museum Designers** invites sealed tenders under two-bid system from reputed and experienced agencies for **FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR** at the above address.

The interested agencies are required to submit the technical and financial bids separately. The bids in Sealed **Part-I/Envelope-I** containing “**Technical Bid**” and Sealed **Part-II/Envelope-II** containing “**Financial Bid**” should be placed in a third sealed cover superscribing “**FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR along with the Tender No. CMD-007.12.52(WORKS)/22-23/31**” and should reach CMD by 03.00 PM on or before 13<sup>th</sup> February, 2023. The technical bids shall be opened on the same day at 04:00 PM at CMD.

The tender document containing eligibility criteria, the scope of work, terms & conditions and draft agreement can be downloaded from CMD’s website. **The bid security (EMD) of ₹ 80,000.00 (Rupees Eighty Thousand only) should be paid by acceptable mode of payment as prescribed in the Tender Document in favour of Creative Museum Designers, payable at Kolkata.**

The criteria of selection, as well as rejection, is defined in **Annexure– I and II** of the tender document.

**The bid shall remain valid for 90 days from the date of opening of the Technical bid.** Any future clarification and /or corrigendum(s) shall be communicated through the tender section on the CMD’s website <http://cmdncsm.in/>.

Note: This notice is a part of the Tender Document.

***PROJECT INTRODUCTION: -***

CMD is entrusted with developing the complete Geo Science Museum at Gwalior. CMD has already developed one thematic gallery based on the Geo Science Principle and now CMD is developing the complete office infrastructure for the museum. CMD will also develop one more gallery based on the evolution of life in the same museum. The museum is being developed inside a heritage building at Gwalior. Inside the building, the height of the ceiling is almost 22 feet. There are two Jafri windows almost at the height of 12-15 feet of approx. dimension 3 mtr x 1.6 mtr. On these two windows, two LED video walls are to be installed from inside the building. These two video walls will advertise the galleries of the museum.

***SCOPE OF WORK: -***

Installation of video walls including supply of server system, online UPS, software for the operation of the content to be played,

1. \* The Creative Museum Designers is a Section 8 Company guaranteed by National Council of Science Museums, Kolkata (\*hereinafter referred to as the Company).
2. Sealed tenders are hereby invited from reputed and experienced Engineering/Technical contractors capable of carrying out the work of **“FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.”** with excellent finishing quality and having adequate experience during the preceding five years in successfully executing works of similar nature to that referred hereinabove.
3. The place of work/Installation would be **GEO-SCIENCE MUSEUM GWALIOR OLD VICTORIA MARKET, JIWAJI CHOWK, GWALIOR, MADHYA PRADESH 474001.**
3. The estimated cost of the work is approximately ₹ **80 Lakh/- (Rupees Eighty Lakhs only) incl. all.**
4. Time for carrying out the work will be **80 days + 10 days** of mobilization from the date of award of the work.
5. Contract documents consist of NIT, one set of tender drawings with Technical Specifications, Special Conditions if any of the contract to be complied with by the persons whose tender may be accepted etc.
6. Tender document can be downloaded from 23rd January, 2023 till 13<sup>th</sup> February, 2023 from CMD's website (<http://cmdncsm.in>). Duly Filled in tenders will be received up to 3.00 PM on 13th February, 2023, Part-I of the tender will be opened on the same day i.e. on 13th February, 2023, at 4.00 p.m. in presence of available Tenderers/bidders. Tenderers may note that opening of tenders in their presence or in the presence of their authorized representatives is not obligatory on the part of the consideration of the Company. In case the tenderers or their authorized representatives are not present, tenders will be opened as per rules and on the scheduled time and date unless it is notified otherwise by the consideration of the company earlier. The Company reserves the right to alter the dates of issue, receipt and or opening of tenders etc. if so necessary. Tenders received after the due date and time shall not be accepted and will be rejected straightway without any further reference. The date for opening Part-II containing Financial Bid will be intimated to the qualified tenderers separately.

7. Bidder Qualification Criteria:

Bidders intending to participate shall fulfil the following qualification criteria:

**A. Techno Commercial Criteria:**

**For OEM and bidders**

1. The OEM and the bidders should have experience in executing similar work i.e. fabrication, supply & installation of outdoor video wall/ indoor video wall/ supply and installation of outdoor projection system/ installation of interactive panels/ Installation of Audio-Video work and similar type of work in Govt./Semi Govt./Public Sector/ Corporate offices, of having minimum contract value as indicated below in last 7 (seven) years reckoned from the due date for submission of the bid. The bidder must have experience of executing the contract of mentioned values.
  - a) One contract having minimum value of 80% of the total estimated project value.  
Or
  - b) Two contracts each of minimum value of 50% of the total estimated project value.  
Or
  - c) Three contracts each of minimum value of 40% of the total estimated project value.\*\*Value should be inclusive of all Taxes.
2. Bidder should provide MAF ( Manufacturer Authorization Form) from OEM.

***Note: The bidder must submit completion certificate or invoice for establishing the above mentioned work.***

**For OEM/ OEM Indian subsidiary**

3. Indian OEM /OEM Indian subsidiary of Outdoor LED Display should have presence and operations in India with a registered office for at least 10 years before the date of RFP. Certificate of incorporation shall be provided.
4. Indian OEM /OEM Indian subsidiary shall be ISO 9001:2008, ISO 14001, OHSAS 18001 & ISO 27001:1 certified with the scope to include visual displays as well. Certificates to be submitted.
5. OEM should have installed at least 25 Outdoor LED display based on SMD Technology only (DIP technology is not acceptable) with at least 5 sqm area or higher connected in single network and content published from a central location in India for any PSU/ government either directly or through a partner or system integrator. Proof to be submitted.
6. Indian OEM /OEM Indian subsidiary should have its own service centre managed by their own engineers. 3rd party authorized service centres are not acceptable - Proof of OEM service centre with GST details to be submitted along with the technical bid.

7. Valid BIS certificate has to be provided for the offered LED tiles/cabinets. BIS certificate for module shall not be considered as valid BIS certificate for the product. The offered model should be clearly mentioned in the BIS certificate.

**B. Financial Criteria:**

For Bidders

- a) The bidder must have a PAN issued by the Income Tax Department of India.
- b) Bidder should have Trade Licence, GST registration with the concerned authority.
- c) Average Annual Turnover for the last 7 (Seven) years must be equal to or greater than ₹ 80 Lakh.

For OEM/ OEM Indian subsidiary

- d) Indian OEM/OEM subsidiary in India should have a turnover of minimum 500 Crores to ensure their stability.

8. The tenderers should quote their rate in figures as well as in words, the rates and amounts tendered by them.
9. Offers should be submitted in sealed cover along with the Earnest money deposit of ₹ 80,000.00/- (Rupees Eighty Thousand Only) by way of crossed Demand Draft/Pay Order/ Banker's Cheque drawn from any Nationalized Bank / Scheduled Commercial Bank of India payable in favour of "Creative Museum Designers" payable at "Kolkata". Earnest Money Deposit in the form of Bank Guarantee, bond or any other forms shall not be accepted. Earnest Money Deposit in respect of such offers which are not accepted will be returned to the tenderers within 15 working days from the date on which the final decision is taken about the tender or within one month from the date of opening of the tender whichever is earlier. Earnest Money Deposit in respect of the successful tenderer will be retained with the Creative Museum Designers, Kolkata as per terms of clause No. 08 of GTC of this document. If the successful tenderer fails to execute the order strictly as per the drawings and specifications, provided by the Creative Museum Designers, Kolkata, in full or in part within the stipulated period of the work order, or fails to accept the work after placement of the order or fails to take up the work within stipulated time as mentioned in the clause No.2 of GTC, the Earnest Money Deposit retained with the Creative Museum Designers shall be forfeited forthwith after cancellation of the concerned Work order. No interest will be paid on the Earnest Money Deposit by Creative Museum Designers, Kolkata.
10. Tenders which do not fulfil any of the above conditions or are incomplete in any respect are liable for summary rejection.
11. The consideration of the Company does not bind itself to accept the lowest tender and reserves to itself the authority to reject or partially accept any or all the tenders, tendered items or schedules received without assigning any reason whatsoever.
12. Canvassing in connection with tenders is strictly prohibited and the tenders submitted by the tenderers who resort to canvassing will be liable for rejection on that ground alone.
13. Tenders incorporating additional conditions are liable to be rejected.

14. The tenderer or tenderers must declare in writing that neither he nor any of them is in anyway related to any officer/ employee in the Creative Museum Designers, Kolkata, or any of its constituent units.
15. All taxes and duties on materials freight & transit Insurance F.O.R. site in respect of this contract will be payable by the successful tenders. Nothing extra will be payable for increase in such taxes or duties even if imposed or levied either before or after the tenders are opened or during the currency of the contract.
16. Before submitting the tender, the tenderer shall examine all specifications, drawings, and conditions of the contract and inspect the site if necessary.
17. Tender must be submitted in two separate sealed covers marked PART – I (Technical Bid) and PART – II (Financial Bid) superscribing **“FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.”** Bids of only the qualified tenderers/bidders shall be opened.
18. The contents of PART – I and PART – II will be as follows:

#### **PART – I**

This sealed cover shall contain: -

- a. The Tenderer/Bidder shall submit the self-attested copies of the following documents along with the tender documents:
  - i. Valid Labour Licence
  - ii. Trade Licence
  - iii. Details of works of similar nature carried out in Central / State Govt. bodies / Department/PSUs / Autonomous bodies/industries/factories or other similar organizations. in the last 7 years ending on 31st December 2022. (SUBMISSION MANDATORY)
  - iv. Copies of Balance Sheet and Profit & Loss A/c of previous three financial years ending 31st March 2022 duly certified by CA.
  - v. List of Arbitration cases (if any)
  - vi. Copies of GST and PAN.
  - vii. Details of managerial, supervisory and other staff if available.
  - viii. Copy of Last 3 years' ITR.
- b. Certificates provided for the works detailed in ‘a.(c)’ above shall clearly indicate the scope and nature of work undertaken and the value of various components of work as executed, in order to confirm conformity to the defined similar works.
- c. Forwarding letter clearly indicating the documents attached therein. The tenderer shall clearly state in the forwarding letter that **they have not put forward any extra conditions in the offer form in PART - II.**
- d. “General Terms and Conditions”, Technical specification for **“FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.”** And

“Declaration” duly signed by the tenderer on all the pages along with official seal.

- e. A Draft / Pay order/ Banker’s Cheque for an amount of ₹80,000.00/- as Earnest Money Deposit.
- f. Two Declarations (1 and 2) duly signed by the tenderer along with an official seal. (format provided)
- g. Tenderer/bidder shall submit details as per **Annexure-I**.
- h. Tenderer/bidder shall submit details as per **Annexure-II** along with Technical Bid.
- i. Additional/Counter Terms & conditions will not be accepted and also any additions/deletions or changes in our format will not be allowed.
- j. **The sealed tender should be dropped in the Tender Box kept on the 4<sup>th</sup> floor of Creative Museum Designers, NCSM Campus, Building-II, 33, Block-GN, Sector-V, Bidhannagar, Kolkata- 700 091.**
- k. **Tenders received late (including postal delay)/ in an open condition/ without EMD/ not meeting the tender condition / incomplete in any respect are liable to be rejected.**
- l. **Bidders are advised to study carefully the tender documents and the conditions before quoting their bid. All the pages of the tender document should be signed and stamped by the bidder as a token of acceptance. An incomplete bid in any respect is liable to be rejected.**
- m. In exceptional circumstances, prior to the expiry of the bid validity period, CMD may request tenderers to extend the period of validity of their bids. The request and the responses shall be made in writing.

## **PART – II**

- a. Part II sealed cover shall contain the “Offer Form”, duly filled in and signed with stamp and date on all its pages. The cover will have to be superscribed with the name of the work. No extra conditions whatsoever shall be put forward in Part II. If any such additional conditions are found in Part II, it will not be taken into consideration and the tender will be rejected.
- b. The financial bids (Part-II) of the eligible tenderers shall be opened after the evaluation of technical bids (Part-I).
- c. The rates should be indicated both in words and figures. In case of discrepancy between the figure(number) and words, the rates given in the words only will be taken as authenticate and no further clarification will be sought from the bidder.
- d. All the pages of the Financial Bid should be signed and stamped by the bidder. An incomplete bid in any respect is liable to be rejected.

- e. In exceptional circumstances, prior to the expiry of the bid validity period, CMD may request tenderers to extend the period of validity of their bids. The request and the responses shall be made in writing.
  - f. The date for opening Part-II containing Financial Bid will be intimated to the qualified tenderers separately.
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- 19. For the purpose of opening of the tenders, it is clarified that only the sealed envelope marked Part I will be opened first. After the opening authority of the tender is satisfied with the documents in the envelope marked part I are in order, the other sealed cover marked Part II may be opened subsequently.
  - 20. Earnest Money is liable to be forfeited if the successful tenderer selected for the work fails to sign the formal agreement within 15 days from the date of issue of the Order Letter to them by the consideration of the Company.
  - 21. The work will be awarded to the overall lowest of the technically acceptable bidder for the work, as per prices quoted in the Offer Form.
  - 22. The validity period of the tender shall be at least 90 days from the date of opening of the Technical bid. This period may be extended with mutual consent if the decision regarding issue of order letter is delayed for any reason.



**PARTICULARS****FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR**

Last Date for submission of Offer	:	13-02-2023 (3.00 PM)
Place for submission of Offer	:	<b>Tender Box, 4<sup>th</sup> floor</b> of Creative Museum Designers, 33, Block GN, Sector V, Bidhannagar, Kolkata- 700 091.
Tender Opening Date (Technical Bid)	:	13-02-2023 (4.00PM) (Part-I Only)
Tender Opening Date (Financial Bid)	:	The date for opening Part-II containing Financial Bid will be intimated to the qualified tenderers separately.
Validity of the Offer	:	90 days from the date of opening of the Technical bid
Time Schedule for completion of work	:	80 days + 10 days of mobilization from the date of award of the work.
Security Deposit	:	10% of the total value of the work. It is to be retained during the defect liability period.
Site Address	:	GEO-SCIENCE MUSEUM GWALIOR OLD VICTORIA MARKET, JIWAJI CHOWK, GWALIOR, MADHYA PRADESH, 474001
Defect Liability Period/Warranty	:	24 months from the approved date of completion.
Liquidated damage for non-completion of work in time	:	01% per week of the contract value, subject to a maximum 10% of the contract value of the work.
EMD	:	<b>₹ 80,000.00/- (Rupees Eighty Thousand Only)</b> by way of Demand Draft/ Pay Order or Banker's Cheque of any Nationalised/ Scheduled Commercial Bank in favour of Creative Museum Designers payable at Kolkata.

# **Creative Museum Designers**

*(A Section 8 Company Guaranteed by National Council of Science Museums)*

*Govt. of India*

*33 Block- GN, Sector-V, Bidhannagar, Kolkata-700 091*

**PART OF: TECHNICAL BID**

**Tender No. CMD- 007.12.52(WORKS)/22-23/31**

## **Instructions for Filling up the Tender**

- 1 The instructions, specifications, drawings and General Terms and Conditions given herein will be strictly binding on the tenderers and deviation, if any, shall make the tender liable to be considered invalid. Tenders incorporating additional conditions by the tenderers are liable to be rejected.
- 2 Tender must be submitted in two separate sealed covers marked PART – I (Technical Bid) and PART – II (Financial Bid) super scribing “FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.” Bids of only the qualified tenderers/bidders shall be opened.
- 3 The tenderers shall fill up the enclosed “Offer Form” and submit the same along with the “General Terms and Conditions”, “Technical Specifications for FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.”, and “Declarations” in a sealed envelope duly signed and stamped on all pages as a token of their acceptance.
4. Incomplete offers i.e. offer received without prescribed “Offer Form” “General Terms and Conditions”, “Technical Specifications for FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.”, and “Declarations” duly signed with an official seal on all pages will be rejected straightway without any reference to the tenderers.
- 4 Telegraphic and the conditional offer shall not be accepted.
- 5 Tender document can be downloaded **from 23<sup>rd</sup> January, 2023 till 13<sup>th</sup> February, 2023** from CMD’s website (<http://cmdncsm.in>), Kolkata. Duly Filled in tenders will be received up to **3.00 PM on 13<sup>th</sup> February, 2023**, Part-I of the tender will be opened on the same day i.e. on **13<sup>th</sup> February, 2023, at 4.00 p.m.** in presence of available Tenderers/bidders. Tenders received after the due date and time shall not be accepted and will be rejected straightway without any further reference. The date for opening Part-II containing Financial Bid will be intimated to the qualified tenderers separately.

- 6 **Overwriting** in the “Offer Form” is not permitted and shall be rejected straightway without any further reference.
- 7 Offers should be submitted in sealed cover along with the **Earnest money deposit of ₹80,000.00/- (Rupees Eighty Thousand Only) by way of crossed Demand Draft/Pay Order/ Banker's Cheque drawn from any Nationalized Bank / Scheduled Commercial Bank of India payable in favour of “Creative Museum Designers” payable at “Kolkata”**. Earnest Money Deposit in the form of Bank Guarantee, bond or any other forms shall not be accepted. Earnest Money Deposit in respect of such offers which are not accepted will be returned to the tenderers within 15 working days from the date on which the final decision is taken about the tender or within one month from the date of opening of the tender whichever is earlier. Earnest Money Deposit in respect of the successful tenderer will be retained with the Creative Museum Designers, Kolkata as per terms of clause No. 08 of GTC of this document. If the successful tenderer fails to execute the order strictly as per the drawings and specifications, provided by the Creative Museum Designers, Kolkata, in full or in part within the stipulated period of the work order, or fails to accept the work after placement of the order or fails to take up the work within stipulated time as mentioned in the clause No.2 of GTC, the Earnest Money Deposit retained with the Creative Museum Designers shall be forfeited forthwith after cancellation of the concerned Work order. No interest will be paid on the Earnest Money Deposit by Creative Museum Designers, Kolkata.

**8 Tenderer should be in possession of: -**

Trade License, PAN Card [in the name of firm/agency or proprietor], **P-Tax registration, Registration under the Shops & Establishment Act**, GST Registration. The agency or any of its partners /directors etc. should not have been blacklisted/ debarred by any of the government agencies or departments or should not have been found guilty of commission of acts of moral turpitude or convicted for any economic offence or for violation of any labour laws etc. by any court or any authority appointed to enforce any labour laws. Further no past contract of such agency should have been terminated in the past 3 years on account of violation of laws or deficiency of services or breach of contract.

9. Intending tenderers/bidders must read the terms and conditions of the tender carefully. They should submit their bid only if they consider themselves eligible as per the laid down criteria and if they are in possession of all the documents/registrations required.
10. The contents of PART – I and PART – II will be as follows:

**PART – I**

This sealed cover shall contain: -

- a. The Tenderer/Bidder shall submit the self-attested copies of the following documents along with the tender documents:

- i. Valid Labour License
  - ii. Trade License
  - iii. Details of works of similar nature carried out in Central / State Govt. bodies / Department/PSUs /Corporate offices/ Autonomous bodies/industries/factories or other similar organizations. in the last 7 years ending on 31<sup>st</sup> December 2022.
  - iv. Copies of Balance Sheet and Profit & Loss A/c of previous three financial years ending 31<sup>st</sup> March 2022 duly certified by CA.
  - v. List of Arbitration cases (if any)
  - vi. Copies of GST and PAN.
  - vii. Details of managerial, supervisory and other staff
  - viii. Copy of Last 03 ITR.
- b. Certificates provided for the works detailed in 'a.(c)' above shall clearly indicate the scope and nature of work undertaken and the value of various components of work as executed, in order to confirm conformity to the defined similar works.
- c. Forwarding letter clearly indicating the documents attached therein. The tenderer shall clearly state in the forwarding letter that **they have not put forward any extra conditions in the offer form in PART - II.**
- d. "General Terms and Conditions", "Technical specification" for "FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR." and "Declarations" duly signed by the tenderer on all the pages along with official seal.
- e. **A Draft / Pay order/ Banker's Cheque for an amount of ₹80,000.00/- as Earnest Money Deposit.**
- f. Two Declarations (1 and 2) duly signed by the tenderer along with an official seal. (format provided)
- g. Tenderer/bidder shall submit details of organisations, where he/she has executed such similar work as per **Annexure-I.**
- h. Tenderer/bidder shall submit details as per **Annexure-II** along with Technical Bid.
- i. Additional/Counter Terms & conditions will not be accepted and also any additions/deletions or changes in our format will not be allowed.
- j. **The sealed tender should be dropped in the Tender Box kept on the 4<sup>th</sup> floor of Creative Museum Designers, NCSM Campus, Building-II, 33, Block-GN, Sector-V, Bidhannagar, Kolkata- 700 091.**
- k. **Tenders received late (including postal delay)/ in an open condition/ without EMD/ not meeting the tender condition / incomplete in any respect are liable to be rejected.**
- l. **Bidders are advised to study carefully the tender documents and the conditions before quoting their bid. All the pages of the tender document should be signed and stamped by the bidder as a token of acceptance. An incomplete bid in any respect is liable to be rejected.**

- m. In exceptional circumstances, prior to the expiry of the bid validity period, CMD may request tenderers to extend the period of validity of their bids. The request and the responses shall be made in writing.

## PART – II

- a. Part II sealed cover shall contain the “Offer Form”, duly filled in and signed with stamp and date on all its pages. The cover will have to be superscribed with the name of the work. No extra conditions whatsoever shall be put forward in Part II. If any such additional conditions are found in Part II, it will not be taken into consideration and the tender will be rejected.
  - b. The financial bids (Part-II) of the eligible tenderers shall be opened after the evaluation of technical bids (Part-I).
  - c. The rates should be indicated both in words and figures. In case of discrepancy between the figure(number) and words, the rates given in the words only will be taken as authenticate and no further clarification will be sought from the bidder.
  - d. All the pages of the Financial Bid should be signed and stamped by the bidder. An incomplete bid in any respect is liable to be rejected.
  - e. In exceptional circumstances, prior to the expiry of the bid validity period, CMD may request tenderers to extend the period of validity of their bids. The request and the responses shall be made in writing.
  - f. The date for opening Part-II containing Financial Bid will be intimated to the qualified tenderers separately.
11. All the envelopes mentioned above should be submitted in an envelope, super-scribing the Tender for “FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.” within the due date.
12. CMD reserves the right to accept or reject any bid in part or full without assigning any reason whatsoever.
13. The authorities of Creative Museum Designers, Kolkata (CMD) do not bind themselves to accept the lowest tender and reserve the right to reject or accept any or all tenders wholly or partially without assigning any reason whatsoever.

### **14. Opening of Bids**

Part - I will be opened on the date, time and at the venue already indicated. After finalization of the Technical Bid, CMD shall open the Part-II/Financial Bid of only those tenderers who have been declared technically qualified by CMD. The date for opening Part-II containing Financial Bid will be intimated to the qualified tenderers separately.

## **15. PRE-BID CONFERENCE AND CLARIFICATIONS**

### **2.Pre-bid Conference**

- a) CMD shall hold a pre-bid conference with the bidders on **30-01-2023 at 3.00 PM. in the conference room of CMD office, Kolkata.**
- b) The bidders will have to ensure that their queries, if any, for the pre-bid conference should be sent to [cmd.ncsm.electronics@gmail.com](mailto:cmd.ncsm.electronics@gmail.com) by **12.00 PM on 28-01-2023.**
- c) The queries should necessarily be submitted in MS Word file in the following format:
- d) Any requests for clarifications submitted post the indicated date and time shall not be entertained by CMD.

Sl. No.	Reference(s) (Clause & Page No.)	Content requiring Clarification(s)	Points of Clarification
01.			

### **ii. Responses to Pre-Bid Queries and Issue of Corrigendum/Addendum (if any)**

- a) CMD will endeavour to provide timely responses to all queries. However, CMD neither represents nor warrants the completeness or accuracy of any response made in good faith, nor does CMD undertake to answer all the queries that have been submitted by the bidders. At any time prior to the last date for receipt of bids, CMD may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder, modify the tender document by a corrigendum or addendum;
- b) Any such corrigendum/addendum shall be deemed to be incorporated into this tender document and shall form part of the tender document;
- c) In order to provide prospective bidders reasonable time for taking the corrigendum/addendum into account, CMD may, at its discretion, extend the last date for the receipt of the bids.

## **16. Language**

The bid as well as all correspondence and documents relating to the bid to be exchanged by the bidder and CMD shall only be in English.

**PART OF: TECHNICAL BID****DETAILS OF BIDDER PARTICIPATING IN THE TENDER**

<b>Sl.</b>	<b>Description</b>	<b>To Be Filled By The Agency</b>
1.	Name of the Agency	
2.	Year of Establishment	
3.	Registered office with full address	
4.	Full Postal Address of communication	
5.	Telephone Number(s) of office	
6.	Contact Person Name with Mobile No.	
7.	Fax number	
8.	E-Mail ID	
9.	Website if any	
10.	Nature of Entity - Limited Company, Partnership etc. (attach a copy of partnership Deed/ Certification of incorporation as applicable)  Date of Incorporation	
11.	Name (s) of Director / Proprietor / Partners with address and telephone nos. if any	
14.	<p>Qualification Criteria:  <b>A. Techno Commercial Criteria:</b>  The OEM and the bidders should have experience in executing similar work i.e. fabrication, supply &amp; installation of outdoor video wall/ indoor video wall/ supply and installation of outdoor projection system/ installation of interactive panels in bulk amount in Govt./Semi Govt./Public Sector/ Corporate offices, of having minimum contract value as indicated below in last 5(five) years reckoned from the due date for submission of the bid. The bidder must have the experience of executing the contract of mentioned values.</p> <p>a) One contract having minimum value of 80% of the total estimated project value.  Or  b) Two contracts each of minimum value of 50% of the total estimated project value.  Or  c) Three contracts each of minimum value of 40% of the total estimated project value.  **Value should be inclusive of all Taxes.</p>	

	<p><b><u>For OEM/ OEM Indian subsidiary</u></b></p> <ol style="list-style-type: none"> <li>1. Indian OEM /OEM Indian subsidiary of Outdoor LED Display should have presence and operations in India with a registered office for at least 10 years before the date of RFP. Certificate of incorporation shall be provided.</li> <li>2. Indian OEM /OEM Indian subsidiary shall be ISO 9001:2008, ISO 14001, OHSAS 18001 &amp; ISO 27001:1 certified with the scope to include visual displays as well. Certificates to be submitted.</li> <li>3. OEM should have installed at least 25 Outdoor LED display based on SMD Technology only (DIP technology is not acceptable) with at least 5 sqm area or higher connected in single network and content published from a central location in India for any PSU/ government either directly or through a partner or system integrator. Proof to be submitted.</li> <li>4. Indian OEM /OEM Indian subsidiary should have its own service center managed by their own engineers. 3rd party authorized service centers are not acceptable - Proof of OEM service center with GST details to be submitted along with the technical bid.</li> <li>5. Valid BIS certificate to be provided for the offered LED tiles/cabinets. BIS certificate for module shall not be considered as valid BIS certificate for the product. The offered model should be clearly mentioned in the BIS certificate.</li> </ol>	
	<p><b>B. Financial Criteria:</b></p> <ol style="list-style-type: none"> <li>I. Average Annual Turnover for the last 5 (five) years</li> <li>II. Net worth</li> </ol>	
15.	PAN of Bidder	
16.	GSTIN of Bidder	



**Details of other organisations where such contracts were undertaken during the last five years**  
*(Submission of supporting documents and completion certificate is mandatory, Non- submission may render the bid to be rejected).*

Sl.	Name & Address of the organization, contact No	Description of Work	Amount of Work	Whether Govt/semi Govt/Autonomous bodies/PSUs/Industries etc. <b>(Pl. specify)</b>
1.				
2.				
3				
4				
5				
6				
7				
8				
9				
10				

I/We hereby solemnly declare that all the information/statements are true to the best of my/ our knowledge. I/we also declare that my/our firm is not involved in any Litigation or Arbitration with any company for the last 5 years. I/We further declare that the decision of Creative Museum Designers regarding finalisation of Empanelment of contractors shall be final and binding on me/us.

**(Signature with date & seal)**

***N.B-1.: duly signed and stamped photocopies of all documents must be submitted along with the Technical Bid.***

**PART OF: TECHNICAL BID****CHECK-LIST (TECHNICAL BID)**

Sl.	Description of requirement	Yes/No
1.	Copy of Labour Licence	Yes/No
2.	Copies of <b>Balance Sheet and P&amp;L A/c</b> for the last 3 years duly certified by CA	Yes/No
3.	Copy of GST Registration	Yes/No
4.	Copy of <b>PAN</b> from Income Tax Department	Yes/No
5.	<b>Annexure-I</b> with supporting documents	Yes/No
6.	Proforma containing details of other organisations where such Work were/are undertaken (attach supportive documents)	Yes/No
7.	₹80,000/- as EMD	Yes/No
8.	Price bid proforma completed & sealed in a separate envelope	Yes/No
9.	List of Arbitration cases (if applicable) <b>Do not leave it blank. If there are no such cases, write “Not Applicable”.</b>	Yes/No/Not applicable
10.	<b>Acceptance of Terms and Conditions</b> attached. Each page of terms and conditions is to be duly signed and stamped as a token of acceptance and submitted as part of the tender document.	Yes/No
11.	<b>Copy of last 03 ITR</b>	Yes/No
12.	<b>Undertaking by the bidder</b> to the effect that there is no police case pending against the proprietor/firm/parties relating to the previous service contracts.	Yes/No
13.	Office address in Kolkata, West Bengal.	Yes/No
14.	All Declarations	Yes/No

**NOTE:** Submission of all the documents mentioned above along with the declarations, is mandatory. Non-submission of any of the information above may render the bid to be rejected.

**Creative Museum Designers**  
(A Section 8 Company Guaranteed by National Council of Science Museums)  
Govt. of India  
33 Block- GN, Sector-V, Bidhannagar, Kolkata-700 091

PART OF: TECHNICAL BID

**Tender No. CMD- 007.12.52(WORKS)/22-23/31**

**GENERAL TERMS AND CONDITIONS (GTC) REGARDING SUBMISSION OF TENDER FOR FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.**

1. Tenderer shall be required to take up the job for “FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.” as per the enclosed specification.
2. The successful tenderer shall submit the following documents within 7 (seven) days from the date of placement of the work order.
  - a. **Duplicate copy of the work order duly signed and stamped by the tenderer as a token of acceptance of the order.**
  - b. **Security Deposit as detailed in Clause no. 8 of General Terms and Conditions.**

**3. Price:**

- i) The rates quoted/indicated shall include the cost of all materials, labour for fabrication, machining, assembling, testing, painting, polishing, finishing, supply, erection, installation, labour supervision and all working accessories, tools and tackles, reliable standard testing equipment etc. and including all handling charges to supply and deliver and install the LED outdoor panels as per the specification and details given by Creative Museum Designers, Kolkata.
- ii) The rates quoted in the Offer Form for the cost of fabrication should be tax exclusive. Taxes, duties etc. as applicable to be mentioned separately. **Price and rate quoted shall be firm and fixed for the entire period of execution of the work and no escalation of rate on any ground whatsoever shall be allowed.** All the statutory deductions such as GOVT. CESS/ TDS as per Income Tax Act at prevailing rates shall be deducted from the bill(s) of the contractor.
- iii) The work will be awarded to the overall lowest of the technically acceptable bidder for the work, as per prices quoted in the Offer Form.

#### **4. Time of Completion:**

Time is the essence of this tender. The entire work viz. supplies, installation, erection, calibration and operation with relevant software will be as per enclosed specifications and drawings after obtaining approval at different stages of work shall be completed within 80 days + 10 days of mobilization period from the date of placement of order.

- b. In the event of delay in execution of work wholly attributable to delay in supply of drawings/modified drawings by the Company (CMD) despite a request from the successful tenderer well in advance, he shall apply in writing to the Project In-charge/CMD within 07 days from the date of the hindrance on account of which he desires such extensions as aforesaid and the Project In-charge, with the consent of the consideration of the Company may (if the reasonable ground is shown) allow such extension of time, if any, be necessary or proper.
- b. In case of the total value of the work exceeds the total contract value of the tender owing to deviation in quantities or extra items, the successful tenderer will be entitled to ask for an extension of time in proportion to the increased value of work.
- c. No extension of time shall be given to the successful tenderer for non-supply or delay in the supply of requisite materials. The successful tenderer hereby agrees that the extension of time requested by him and granted by the consideration of the Company shall be treated as an extension of time allowed to them without any claim for compensation or damages for any reasons whatsoever including those for which the extension is granted.

#### **5. Penalty Clause (Liquidated damage):**

The successful tenderer shall strictly observe the time allowed for carrying out the works as detailed in clause number 4. The work shall, throughout the stipulated period of the contract, be proceeded with all diligence (time being deemed to be the essence of the contract) and the tenderer shall pay to the Creative Museum Designers, Kolkata an amount equal to 1% of the amount of the Contract value for every week that the work may remain incomplete as per delivery schedule as stipulated in clause no.4, subject to maximum compensation of 10% of the contract value after which period appropriate action will be taken by Creative Museum Designers as will be deemed fit. Over and above, in case of noncompliance with the strict time schedule for the project by the successful bidder, CMD will have the option of freezing any further payment.

- 6. Every effort shall be made to complete the work/job by the successful tenderer within the specified time schedule. In case the firm fails to comply with Clause No. 4 i.e. within the specified time schedule as per the finalized and accepted terms and conditions, Creative Museum Designers shall have the right to either impose penalty Clause or cancel the order or both at its discretion. Creative Museum Designers may get the unfinished work at the risk and cost of the successful tenderer. The decision of Creative Museum Designers in this regard shall be final and binding on the successful tenderer.

## **7. Inspection:**

Inspection may be carried out at any time during the process of fabrication, if desired by the officials of Creative Museum Designers, Kolkata. Any defect pointed out by the competent representative of the Creative Museum Designers during such inspections shall be promptly rectified to ensure the desired quality of work. It would be mandatory on the part of the successful tenderer to arrange an inspection and obtain approval at every stage of work failing which action will be taken as deemed fit by the CMD. The decision of CMD in this regard shall be final and binding on the successful tenderer.

## **8. Security Deposit:**

The successful tenderer has to submit a Security deposit amounting to 10% of the gross value of the order. If the Security Deposit is not deposited before the commencement of the work, a deduction @ 10% shall be made from each Bill and the said amount shall be retained by CMD as Security Deposit (which includes the EMD submitted by the tenderer). CMD may retain the SD if the successful tenderer fails to rectify the defects pointed out by CMD during DLP. The Security Deposit of the successful tenderer shall be released after the expiry of the defect liability period (the defect liability period shall be 24 (twenty-four) months from the date of final completion of the work/job). No interest shall be paid on the security deposit retained with Creative Museum Designers, Kolkata.

## **9. Terms of Payment:**

No advance payment shall be made by Creative Museum Designers, Kolkata under any circumstances. One interim payment and one Final Payment shall be released as below:

- i) 50% of the payment will be released after 60% of the work is over (value of the awarded work).
- ii) Rest will be payable after the successful completion of the work.

Payment will be released within 30 (thirty) days from the date of receipt of Invoice/Bill duly supported by receipted challan and satisfactory inspection/work completion certificate from CMD authority for the entire job.

## **10. Defect Liability Period/Warranty:**

Address for onsite warranty of the equipment- **Old Victoria Market, Jiwaji Chowk, Gwalior, Madhya Pradesh 474001.**

The defect liability period/Warranty shall be 24 (twenty-four) months from the date of completion of the work. The successful tenderer must submit an installation report from OEM after the complete installation is done. The successful tenderer will be responsible for all defects in the material supplied or installed or non-supply of standard material as per tender, defective workmanship, use of defective materials, etc. for a period of 24 (twenty-four) months from the date of completion of the job.

- i. The Successful Tenderer shall offer on-site comprehensive warranty of all the equipment for 24 months from the date of installation of the equipment at the designated location & shall cover each and every part of the equipment including parts having limited life etc. CMD is not liable to pay any extra charges on any account during the warranty period.
  - ii. Any part or parts fail or proved defective within the on-site warranty period specified above, owing to defect in design, material, the Successful Tenderer shall have to replace them at the place of installation (Gwalior, Madhya Pradesh) without asking for any charges.
  - iii. During the warranty period, expert(s) shall be deputed at the site by the successful tenderer within three working days from the date of request from CMD, to rectify the defects of equipment where they are Installed. The cost of deputation of expert(s) and any other associated expenditure shall be borne by the successful tenderer.
  - iv. The successful tenderer must submit the original installer file of signange player after installation.
  - v. Within the warranty period if any software of the media player crashes or corrupts then the successful tenderer must reinstall the system and make it working within three working days.
11. Specifications of the items under tender are as given in the enclosed tender documents along with drawings. However, if any ambiguity in the specification is detected, it shall be promptly brought to the notice of Creative Museum Designers, Kolkata for clarification. No deviation from the approved specifications shall be made by the successful tenderer without the written approval of Creative Museum Designers, Kolkata.
  12. The authorities of Creative Museum Designers, Kolkata reserve the right to amend, alter or modify the terms & conditions or quantities mentioned above if necessary.
  13. The authorities of Creative Museum Designers, Kolkata, who do not bind themselves to accept the lowest tender, reserve the right to reject or accept any or all tenders wholly or partially without assigning any reason whatsoever.
  14. The CMD shall not be liable for any kind of injury resulting in temporary or permanent disability or loss of life of any employee or worker who is deployed by the successful tenderer within/outside the Office Space of Geo Science Gallery, Gwalior site at the time of execution of the work.
  15. The successful tenderer shall pay not less than minimum wages as prevalent in the concerned municipal area and shall abide by all and every kind of legislation that are incidental to and concerned with the engagement of persons for the time being for carrying out and execution of the work. CMD shall have no liability of any kind with regard to the workers employed/ deployed by the successful tenderer.

16. The successful tenderer shall ensure that all wages and allied benefits as per statutory norms are paid to their workers for the purpose of this contract. The Agency shall remain liable to the authorities concerned for compliance with respective existing rules and regulations of the Govt. for the purpose of this contract and shall remain liable for any contravention thereof. They shall keep CMD indemnified against any liabilities arising out of non-compliance with any of the acts, rules, or orders of the Govt./ Company on their part.
17. The Creative Museum Designers, Kolkata or its representatives shall, at all reasonable time, have free access to the works and/or to the workshops/factories or other places where materials are being prepared or fabricated for the contract and also to any places where the material is lying or from which they are being obtained and the successful tenderer shall provide assistance to them for inspection, examination and testing of the materials and workmanship. Except the representatives of Public Authorities and those mentioned above, no person shall be allowed in the working place at any time without the prior written permission of CMD, Kolkata.
18. The successful tenderer shall obtain necessary trade and other licenses as may be required to carry on the tendered job and shall also be responsible for compliance with all rules and regulations which may be in force from time to time by the appropriate authority at his/their own cost. They will also provide all necessary **Workmen's Compensation Insurance Policy** and **Labour Licence** for the workers engaged by the agency at the site.
19. CMD reserves the right to allow other team of personnel/contractors to work at the work site.
20. The successful tenderer shall ensure that, during the course of execution of the work under the present contract, no damage is caused to the existing property or structures. In case of any damage arising out of the contractor's work/ negligence, it has to be repaired by the agency or the same will be done by CMD at the cost of the contractor.  
  
In case of any theft, loss of assets and/or disturbance adversely affecting day-to-day job etc., to the working place, the entire responsibility for recovery and legal actions starting with the lodging of F.I.R. with local police in consultation with the authorities of the CMD, up to the final recovery stage etc. will lie with the agency.
21. The successful tenderer should mandatorily maintain a **Hindrance Register** at the working site to record all hindrances encountered during the execution of the work. The reason and item of work affected due to any hindrance shall be clearly recorded in the Hindrance Register and the Project-in-Charge/employee of CMD as well as the Contractor/representative of Contractor will sign on the register for the recorded hindrance. In case of several hindrances encountering simultaneously over a period of time affecting the same item or different items of the work, the period of hindrance will be worked out by CMD. The format of the Hindrance Register is provided hereunder:

## **FORMAT OF HINDRANCE REGISTER**

**Tender No. CMD- 007.12.52(WORKS)/22-23/31**

<b>Description of work:</b>				<b>Work Order No. _____, Date:</b>			
<b>Name of the Contractor:</b>				<b>Scheduled Completion Time:</b>			

  

Sl.	Nature of Hindrance	Items of work not executed due to hindrance	Date of start of hindrance	Date of end of hindrance	Period of Hindrance	Net hindrance day	Remarks
Signature of Contractor					Signature of Project-in-Charge		

### **22. Arbitration**

In the case of any disputes or differences arising out of or in connection with, or concerning this Agreement, it shall be settled by arbitration. The arbitration shall be conducted by an expert as Arbitrator in the field acceptable to both the parties. In case of disagreement, it shall be through three experts in the field, one to be appointed by each party and the third presiding expert to be jointly appointed by the two experts referred to. The arbitration shall be as per the provision of the Arbitration and Conciliation (Amendment) Act, 2015 and the decision of the panel so appointed shall be final and binding on both the parties to this Agreement. The place of arbitration shall be normally Kolkata or any other suitable place mutually agreed.

The provisions of the Arbitration and Conciliation Act 2015 or any statutory modification or re-enactment there of and of the rules made there under for the time being in force shall apply to arbitration proceedings under this clause.

### **23. Force Majeure Event (FME)**

If there is a delay in performance or other failures by the contractor to perform its obligation under its contract due to the event of a Force Majeure as mentioned hereunder, the contractor shall not be held responsible for such delays/failures. If a force majeure situation arises, the contractor shall promptly apply in writing to the Project In-charge/CMD within 07 days or as soon as it occurs and it cannot be claimed ex-post facto:

- a. by reason of any exceptionally inclement weather like Cyclone, severe flood etc., normal monsoon shall not be considered a valid reason for the extension of time,
- b. by reason of proceedings taken or threatened by, or legal disputes with adjoining or neighbouring owners,
- c. by reason of any epidemics, quarantine restrictions etc. declared by the Government,
- d. due to delay in the work of other agencies or tradesman engaged or nominated by the consideration of the Company: if such delay is directly responsible for delay in execution of this work. by reason of any general strike or lockout affecting work, strike or any kind of labour trouble in successful tenderer's organisation shall not



- be a valid reason for the extension.
- e. There may be a Force Majeure situation affecting the Tenderee (CMD) only, under which the Tenderee (CMD) shall have equal rights to claim relief under such Force Majeure situations.
24. The successful tenderer should furnish documentary proof in support of **GST number and PAN number** of their establishments. Payment will not be released till such certificate is furnished.
25. The successful tenderer must submit the following Registrations/Certificates to the office of CMD, Kolkata prior to execution of the agreement or within 07 days of issuance of LOI whichever is earlier. Failing which the order will be summarily cancelled:
- a. **Labour Licence** at Gwalior, Madhya Pradesh.
- b. **Workman Compensation Insurance Policy** for labours engaged at the site.
26. The Agency shall make Police verification of the particulars of their personnel deployed and issue proper identity cards to those personnel/labour who are deployed by them at any point of time for the purpose of this contract in order to facilitate verification of their identity by the CMD. They shall always wear the photo identity card while inside the premises of the working place/site/centre. The details of the labourers deployed at the site must be submitted to CMD authority along with the proof of address and one copy of the passport-size photograph.
27. The Agency on completion of the contract or termination of the contract shall peacefully vacate the premises of the working place/locations/site/centre and remove all their persons and materials from the campus after handing over the charge to the new agency/Party.
28. The Agency shall be responsible for observance and compliance of different industrial laws as in force and they shall ensure that no demonstration/agitation of any kind takes place inside or near the premises of the working place/locations/site/centre by personnel engaged by the Agency.
29. The CMD shall pay to the Agency nothing more than the amount as may be due under the contract terms.
30. The contractor shall keep a qualified and experienced Engineer for supervision of work to ensure the best quality of work. The agency should ensure all the safety equipment like a helmet, safety glasses, gloves, shoes, etc. are used by the workers during the execution of the work.
31. The tenderer shall be responsible for arranging and maintaining at his/her own cost all materials, tools, tackles, machines required for fabrication, material handling equipment, ladders, benches, water, electricity access, and other facilities for workers and all other services required for executing the work.

**32. Whenever there is a duplication of clause either in the terms and conditions or in the tender document, the clause which is beneficial to CMD will be considered applicable at the time of any dispute/following any statutory rules.**

**33. Scope of Supply and Installation:**

**Address for supply and installation-** Old Victoria Market, Jiwaji Chowk, Gwalior, Madhya Pradesh 474 001.

a) All the equipment shall be supplied in compliance with the specifications mentioned in **Technical specification** of the tender.

b) The specifications of the equipment/materials as mentioned in **Technical specification** are the requirements of the tender. However, higher specifications may be considered subject to their cost economics i.e. competitiveness in financial terms. The equipment with higher specifications should deliver the output as required by CMD.

c) After the entire installation, agency should provide training to the employees of CMD wherein the training about the equipment's operations, maintenance, information about Do's & Don'ts as well as troubleshooting & all other areas which are necessary for smooth functioning of equipment shall be provided by the successful tenderer. No extra cost shall be paid to the successful tenderer for imparting this training.

**34. After Sales Services:**

a) The Successful Tenderer shall ensure to render after-sales services during the warranty period to the satisfaction of CMD.

b) The Successful Tenderer will depute their engineer within three working days to attend the service call received from CMD/ GSI Museum Authorities.

c) The successful Tenderer should submit the list of service centres of OEM from all over India specially in Gwalior, Madhya Pradesh which will cater the service of the equipment in case of any requirements.

**35. Manuals:**

The Successful Tenderer must supply 02 sets of the following manuals in hard copy and one 01 soft copy along with equipment:

- a) Installation Manual
- b) Operation Manual
- c) Maintenance Manual

**36. Product information as written on the original box of the product or on the product viz. MRP, date of Mfg./Exp., serial number, part number, country of origin, etc. should be in order. If the information is found missing, CMD reserves the right to reject the product without assigning any reason whatsoever.**

# **Creative Museum Designers**

*(A Section 8 Company Guaranteed by National Council of Science Museums)*

*Govt. of India*

*33 Block- GN, Sector-V, Bidhannagar, Kolkata-700 091*

**PART OF: TECHNICAL BID**

## **Tender No. CMD- 007.12.52(WORKS)/22-23/31**

TECHNICAL SPECIFICATIONS REGARDING “FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.”

**(A) A brief introduction to the site and the work to be done at Geo Science Museum, Gwalior:**

The installation of these video walls will take place in Geo Science Museum at Gwalior. The museum is located at the very heart of the city in a crowded area, locally known as Maharaj Bada. There are two windows situated at a height near about 15 feet from the ground at the two end of the building (Museum). The windows are in the shape of old styled Jafri (to match with building architecture). In these two separate windows two outdoor video walls are to be installed, such that the projection covers the entire open area of the windows. The visitors passing nearby the building can see the content which is being played at these video walls.

**(B) A brief introduction of the entire video wall projection system which is to be installed:**

The two video wall system will be operated from a single workstation. The workstation will be connected to the local network of the museum. Each of these video walls will also be connected to the local network of the museum. Each of these video walls will be backed up with a 5kVA single phase in and single phase out UPS system (having in build transformer) with a minimum backup time of 15 minutes.

**(C) A brief description of the software for operating the video wall projection system:**

Both the video walls will be operated by a single signage software. The software should have the capability to change the content of individual video wall whenever required. Software of perpetual license is required to be provided along with the installation key.

**(D) A brief description of the video wall mounting structure:**

The video walls are to be mounted on customized steel structure, based on the availability of the space and position at the site. The main structure of the mounting is to be supported by steel column from the ground. The museum building is a heritage building made up of sandstones. Hence, every precaution is to be taken while installing the mounting structure, so that no damage to the building occurs.

## 1. SPECIFICATION OF THE EQUIPMENT

<b><u>Item 1 : Semi outdoor LED Display – Pixel Pitch 3.1 mm</u></b>	
<b>Parameter</b>	<b>Specifications</b>
Display Size (H x W)	3.84 Meter x 1.92 Meter
Pixel Pitch	3.1 mm or better (Lower pitch is regarded as better)
LED Configuration	RGB 3 in 1 SMD
Pixel Density	Minimum 105,000 pixels per sqm or higher
Half Gain Horizontal / Vertical Viewing Angle	H 140 deg / V 120 deg or better
Refresh Rate	>1920 Hz or better
Temp Range	-20 to +50 Degrees C or better
Grey Scale Processing	14 Bit or better
Colours	4.4 Trillion colours
Brightness	5000 cd/m <sup>2</sup> or better
Maximum Power Consumption	1200 w/sqm or lower
Dimming Capability	255 levels
Contrast Ratio	3000:1 or better
Access For Maintenance	Front/Rear
IP Level	Front IP65/Rear IP54
Cabinet Material	Die Cast Aluminium
Safety Certifications( Mandatory to submit along with the bid)	BIS Registration (Bureau Of Indian Standards) . BIS should be of full working cabinet and not only LED Module
Quality/Health & Safety/Environmental Certifications of OEM/OEM subsidiary in India ( Copy to be submitted along with the bid and the scope should include visual displays	Quality Management System 9001:2015 ,
	Occupation health & Safety Management System - OHSAS 18001:2007
	Environmental Management System 14001: 2015
Approved Brands	Daktronics/Delta /Mitsubishi /NEC

<b><u>Item 2: LED Control System</u></b>	
<b>Parameter</b>	<b>Specifications</b>
Control Port	RS232/ LAN
Signal Interface	1x HDMI/DVI
Connectivity to Display	RJ45
Minimum Load Capacity	Should be able to support the offered LED screen
Approved Makes	Should of the same make as the LED screen

<b><u>Item 3: Auto Brightness Sensor (inbuild with LED Panel)</u></b>	
<b>Parameter</b>	<b>Specifications</b>
Rated voltage	5V
Operating temperature	-30°C~70°C
Operating humidity	0~99%
Brightness range	0~65535 lux
Cable	5m
Features	· Monitor the ambient brightness to achieve automatic brightness adjustment of LED display
	· Asynchronous
	· Outdoor use proofing
	· No external power supply required

<b><u>Item 4: Signange Media Player</u></b>	
<b>Parameter</b>	<b>Specifications</b>
Processor	i3, 10th generation,
Ram	8 GB minimum

SSD	128 GB
HDD	1 TB
Operating System	Windows 10 professional with original DVD
Keyboard, Mouse	Optical type
Monitor	24" Full HD ( make: Dell/HP/ Samsung)
Make of Media Player	HP / Dell

<b><u>Item 5: Signange Software Specifications and features</u></b>
<b>Dedicated Account Manager</b> Manage all stations centrally from one location
Custom Content Layout Third Party Integration Unlimited Users Station Monitoring Remote Shoudown / Update / Restart
<b>Custom Tablet control pad (1)</b> <b>Audio Streaming (2)</b>
Virtual Keyboard & Mouse Access - Inbuilt Remote Desktop
Video Format Support - mp4/ avi/ mov /h264 etc Audio Support -mp3
Webpage Integetration External Application IOT Integetration
Content Scheduling Kiosk Mode Dashboard Customization
System Health Monitoring Limited ;Emergency Alert Email Notification (4) Smart Caching ;Template Engine Wake On Lan Smart Actions & Triggers Playlists SSO - Approve to Play Single Multi Screen Media Sync - Control Input Sources / Hardware Properities (5) -

**Licence of the Software should be perpetual and should support the complete system**

**Item 6: Online UPS and Batteries**

Parameter	Specifications
UPS Capacity	<b>5 kVA UPS System (1Ph Input /1Ph Output)</b>
Topology	True On-line Double Coverstion UPS
Output power capacity	<b>4 KW</b>
<b>Input</b>	
Voltage Range	110 - 300 VAC based on the load percentage
Frequency	50 Hz
Frequency Range	45 to 55 Hz
Power Factor	$\geq 0.99$ at full load and nominal input Voltage
Current THD	$< 5\%$
<b>Output</b>	
Voltage	230 VAC
Voltage Regulation	+ / - 1%
Frequency (Free Running Mode)	50 Hz $\pm$ 0.1 Hz
Frequency (Synchronisation Mode)	45 to 55 Hz
Harmonic Distortion (THD)	$\leq 2\%$ (linear load)
	$\leq 5\%$ (non-linear load)
Output Waveform	Sine wave
Crest Factor	3:1
Inverter Efficiency	$\geq 90\%$
Power Factor	0.8 Lagging

Overload	101% - 109% for 5 minutes
	110% - 129% for 1 minute
	130%-150% for 10 Sec
System DC Voltage	<b>≥192 VDC</b>
Isolation Transformer	<b>Inbuilt</b>
<b>Battery</b>	
Battery Type	12 V Sealed Lead Acid Maintenance Free
Battery make	<b>Exide/ quanta</b>
Battery charging	Constant Current & Constant Voltage
Charger	Built-in solid state float-cum-equalizing charger with
	automatic boost / trickle charge modes with
	current limiting features.
<b>VAH Required</b>	<b>≥ 4900</b>
<b>Efficiency</b>	
<b>AC/AC (overall efficiency)</b>	<b>≥ 85% (at full Load)</b>
<b>Features</b>	
Eco mode	Available
Overload capacity	Available
Converter mode	Available
Bypass parameters configurable	Available
Display	LCD Display
<b>Mechanical</b>	
Ingress protection	IP 20
Bypass	Static Bypass



Maintenance Bypass	Available
Accessories ( Rack, cables etc.)	Included
<b>Certifications</b>	
	<b>ISO 9001 : 2008</b>
	<b>ISO 14001 : 2004</b>
	<b>BIS Certificate</b>
	<b>PEP Certificate</b>
<b>Warranty</b>	<b>2 Years on UPS &amp; 2 Years on Battery from date of supply.</b>
<b>Approved make</b>	<b>Numeric/ Socomec/ APC</b>
<b>Service purpose</b>	<b>OEM should have their OWN service center</b>

<b><u>Item 7: Power Distribution Unit</u></b>
It should be capable of handling the Power of the LED Modules
Should be compatible with the make of the LED Modules

<b><u>Item 8: mounting structure</u></b>
Mounting Frame as per the position of the site and as per the LED panels that are to be mounted
Materials of the structure should be of steel and other metals. The support column from the ground are to be made up of steel.

### 3.0 Testing

- i)The Engineer shall arrange for joint inspection of the installation for completeness and correctness of the work. Any defect pointed out during such inspection shall be promptly rectified by the Contractor.
- ii) The installation shall then be tested and commissioned in presence of the Engineers of Contracting agency.
- iii) The Contractor shall provide all men, material and equipment required to carry out the tests.

- iv) All rectifications, repairs or adjustment work found necessary during inspection, testing and commissioning shall be carried out by the Contractor without any extra cost.

### **3.1 Taking Over**

- i) On successful inspection, testing and commissioning of the installation and on carrying out necessary rectification work the Engineer will take over the installation either wholly or in part as the case may be.
- ii) Till handing over the installation to Owner, the Erection Contractor shall fully be responsible for all equipment and materials under the Scope of Work awarded.

### **3.2 Supervision**

- i) The Contractor's Engineer shall have the overall responsibility of coordination of the work. However, If the Owner wishes, his direction shall be final,
- ii) Such direction and supervision, however, shall not relieve of Contractor's responsibilities for correctness and quality of workmanship and or other obligation under the Contract.

### **3.3 Special Instruction**

- i) The successful bidder must visit the site prior of starting the work to get the exact measurement and details for the installation of the video walls.
- ii) The successful bidder must submit the drawings of mounting structure to get the approval from CMD prior to fabrication of the same at site.
- iii) **Schematic diagram**  
The successful bidder must submit a complete schematic diagram of the entire installation mentioning each component and element of the installation..
- iv) Keep premises clean:
- v) No inflammable materials shall be stored in places other than the rooms-specially constructed for this purpose in accordance with the provisions of Indian Explosives Act.
- vi) No work shall be undertaken on live installations, or on installations-, which could be energized unless- another person is present to immediately isolate the electric supply in case of any accident and to render first aid, if necessary.
- vii) When working on or near live installations; suitably insulated tools should be used, and special care should be taken to see that those tools accidentally do not drop on live terminals causing shock or dead short.

**Scope of Supply:**

- **Address for supply and installation of the Semi-outdoor video walls-** Old Victoria Market, Jiwaji Chowk, Gwalior, Madhya Pradesh 474001.
- The supply and installation of the video walls shall be done in compliance with the specifications mentioned in **Technical Specification** of the tender.
- The specifications of the video walls as mentioned in **Technical Specification** are the requirements of the tender. However, higher specifications may be considered subject to their cost economics i.e. competitiveness in financial terms.
- After the supply and installation of the video walls, the training to the employee of CMD shall be given wherein the training about the Video walls' operations, maintenance, information about Do's & Don'ts as well as troubleshooting & all other areas which are necessary for smooth functioning shall be provided by the successful tenderer. No extra cost shall be paid to the successful tenderer for imparting this training.
- The Successful Tenderer shall offer on-site comprehensive warranty of the entire system for 24 months from the date of installation of the video walls at the designated location & shall cover each and every part of the system including parts having limited life etc. CMD is not liable to pay any extra charges on any account during the warranty period.
- The successful tenderer must complete the entire job including delivery at site within 90 calendar days from the date of issue of the Purchase Order by CMD.

**FORMAT & REQUIREMENTS FOR SUBMITTING TECHNICAL BID****Tender No. CMD- 007.12.52(PUR)/22-23/31**

- Name of Tenderer: \_\_\_\_\_
- Complete office address of Tenderer \_\_\_\_\_

**Confirmation of acceptance of Technical Specifications for the supply of the complete Video wall system :**Item 1: Semi outdoor LED Display – Pixel Pitch 3.1 mm

Description	Feature/Brand	Acceptance to the Specification as placed at Technical specification and agreed to supply with required Quantity (write YES/ NO Only and Make)	If marked “NO” in the column before, specify the deviation in the specification of the Instruments offered for the supply.
<b>Make (Data Sheet Must Be enclosed)</b>	<b>Daktronics/Delta /Mitsubishi /NEC (Data Sheet Must Be enclosed)</b>		
Display Size (H x W)	3.84 Meter x 1.92 Meter		
Pixel Pitch	3.1 mm or better (Lower pitch is regarded as better)		
LED Configuration	RGB 3 in 1 SMD		
Pixel Density	Minimum 105,000 pixels per sqm or higher		
Half Gain Horizontal / Vertical Viewing Angle	H 140 deg / V 120 deg or better		
Refresh Rate	>1920 Hz or better		
Temp Range	-20 to +50 Degrees C or better		
Grey Scale Processing	14 Bit or better		
Colours	4.4 Trillion colours		
Brightness	5000 cd/m <sup>2</sup> or better		
Maximum Power Consumption	1200 w/sqm or lower		
Dimming Capability	255 levels		
Contrast Ratio	3000:1 or better		
Access For Maintenance	Front/Rear		
IP Level	Front IP65/Rear IP54		
Cabinet Material	Die Cast Aluminium		
Safety Certifications( Mandatory to submit along with the bid)	BIS Registration (Bureau Of Indian Standards) . BIS should be of full		

	working cabinet and not only LED Module		
Quality/Health & Safety/Environmental Certifications of OEM/OEM subsidiary in India ( Copy to be submitted along with the bid and the scope should include visual displays	Quality Management System 9001:2015 ,		
	Occupation health & Safety Management System - OHSAS 18001:2007		
	Environmental Management System 14001: 2015		

### **Item 2: LED Control System**

Description	Feature/Brand	Acceptance to the Specification as placed at Technical specification and agreed to supply with required Quantity (write YES/ NO Only and Make)	If marked “NO” in the column before, specify the deviation in the specification of the Instruments offered for the supply.
<b>Make (Data Sheet Must Be enclosed)</b>	Should of the same make as the LED screen <b>(Data Sheet Must Be enclosed)</b>		
Control Port	RS232/ LAN		
Signal Interface	1x HDMI/DVI		
Connectivity to Display	RJ45		
Minimum Load Capacity	Should be able to support the offered LED screen		

### **Item 3: Auto Brightness Sensor ( inbuild with LED Panel)**

Description	Feature/Brand	Acceptance to the Specification as placed at Technical specification and agreed to supply with required Quantity (write YES/ NO Only and Make)	If marked “NO” in the column before, specify the deviation in the specification of the Instruments offered for the supply.
Should be inbuild with LED Screen	Should of the same make/ compatible with LED screen		
Rated voltage	5V		
Operating temperature	-30°C~70°C		
Operating humidity	0~99%		
Brightness range	0~65535 lux		
Cable	5m		

Features	· Monitor the ambient brightness to achieve automatic brightness adjustment of LED display		
	· Asynchronous		
	· Outdoor use proofing		

#### **Item 4: Signange Media Player**

Description	Feature/Brand	Acceptance to the Specification as placed at Technical specification and agreed to supply with required Quantity (write YES/ NO Only and Make)	If marked “NO” in the column before, specify the deviation in the specification of the Instruments offered for the supply.
<b>Make (Data Sheet Must Be enclosed)</b>	<b>HP/ Dell (Data Sheet Must Be enclosed)</b>		
Processor	i3, 10th generation,		
Ram	8 GB minimum		
SSD	128 GB		
HDD	1 TB		
Operating System	Windows 10 professional with original DVD		
Keyboard, Mouse	Optical type		
Monitor	24" Full HD ( make: Dell/HP/ Samsung)		
Make of Media Player	HP / Dell		

#### **Item 5: Signange Software Specifications and features**

Description	Feature/Brand	Acceptance to the Specification as placed at Technical specification and agreed to supply with required Quantity (write YES/ NO Only and Make)	If marked “NO” in the column before, specify the deviation in the specification of the Instruments offered for the supply.
<b>Make</b>	<b>Must support the LED panel (datasheet explaining the features to be included )</b>		
Licence Validity	Perpetual		
Dedicated Account Manager	Manage all stations centrally from one location		

	Custom Content Layout Third Party Integration Unlimited Users Station Monitoring Remote Shutdown / Update / Restart		
	<b>Custom Tablet control pad (1)</b> <b>Audio Streaming (2)</b>		
	Virtual Keyboard & Mouse Access - Inbuilt Remote Desktop		
	Video Format Support - mp4/ avi/ mov /h264 etc Audio Support -mp3		
	Webpage Integration External Application IOT Integration		
	Content Scheduling Kiosk Mode Dashboard Customization		
	System Health Monitoring Limited ;Emergency Alert Email Notification (4) Smart Caching ;Template Engine Wake On Lan Smart Actions & Triggers Playlists SSO - Approve to Play Single Multi Screen Media Sync - Control Input Sources / Hardware Properities (5) -		

#### **Item 6: Online UPS and Batteries**

Description	Feature/Brand	Acceptance to the Specification as placed at Technical specification and agreed to supply with required Quantity (write YES/ NO Only and Make)	If marked "NO" in the column before, specify the deviation in the specification of the Instruments offered for the supply.
<b>Make (Data Sheet Must Be enclosed)</b>	<b>Numeric/ Socomec/ APC (Data Sheet Must Be enclosed)</b>		
UPS Capacity	<b>5 kVA UPS System (1Ph Input /1Ph Output)</b>		
Topology	True On-line Double Coverstion UPS		
Output power capacity	<b>4 KW</b>		
<b>Input</b>			
Voltage Range	110 - 300 VAC based on the load percentage		
Frequency	50 Hz		
Frequency Range	45 to 55 Hz		

Power Factor	≥ 0.99 at full load and nominal input Voltage		
Current THD	< 5%		
<b>Output</b>			
Voltage	230 VAC		
Voltage Regulation	+ / - 1%		
Frequency (Free Running Mode)	50 Hz ± 0.1 Hz		
Frequency (Synchronisation Mode)	45 to 55 Hz		
Harmonic Distortion (THD)	≤ 2% (linear load)		
	≤ 5% (non-linear load)		
Output Waveform	Sine wave		
Crest Factor	3:1		
Inverter Efficiency	≥ 90%		
Power Factor	0.8 Lagging		
Overload	101% - 109% for 5 minutes		
	110% - 129% for 1 minute		
	130%-150% for 10 Sec		
System DC Voltage	≥192 VDC		
Isolation Transformer	Inbuilt		
<b>Battery</b>			
Battery Type	12 V Sealed Lead Acid Maintenance Free		
Battery make	Exide/ quanta		
Battery charging	Constant Current & Constant Voltage		
Charger	Built-in solid state float-cum-equalizing charger with		
	automatic boost / trickle charge modes with		
	current limiting features.		
VAH Required	≥ 4900		
<b>Efficiency</b>			
AC/AC (overall efficiency)	≥ 85% (at full Load)		
<b>Features</b>			
Eco mode	Available		
Overload capacity	Available		
Converter mode	Available		
Bypass parameters configurable	Available		
Display	LCD Display		
<b>Mechanical</b>			
Ingress protection	IP 20		
Bypass	Static Bypass		
Maintenance Bypass	Available		
Accessories ( Rack, cables etc.)	Included		
<b>Certifications</b>			
	ISO 9001 : 2008		



	<b>ISO 14001 : 2004</b>		
	<b>BIS Certificate</b>		
	<b>PEP Certificate</b>		
<b>Warranty</b>	<b>2 Years on UPS &amp; 2 Years on Battery from date of supply.</b>		
<b>Service purpose</b>	<b>OEM should have their OWN service center</b>		

**Item 7: Power Distribution Unit**

Description	Feature/Brand	Acceptance to the Specification as placed at Technical specification and agreed to supply with required Quantity (write YES/ NO Only and Make)	If marked "NO" in the column before, specify the deviation in the specification of the Instruments offered for the supply.
<b>Make (Data Sheet Must Be enclosed)</b>	Should be compatible with the make of the LED Modules <b>(Data Sheet Must Be enclosed)</b>		
	It should be capable of handling the Power of the LED Modules		

# **Creative Museum Designers**

*(A Section 8 Company Guaranteed by National Council of Science Museums)*

*Govt. of India*

*33 Block- GN, Sector-V, Bidhannagar, Kolkata-700 091*

**PART OF: TECHNICAL BID**

**Tender No. CMD- 007.12.52(WORKS)/22-23/31**

## **DECLARATION - 1**

We, do hereby accept the General Terms and Conditions as provided by the **FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR** and also undertake to execute the job strictly as per the drawing and specifications as provided along with the tender documents in the event of placement of any work order on us.

Signature of the tenderer / Constituted Attorney.

(With date and Official Seal)

## **DECLARATION - 2**

### **OF NON-RELATIONSHIP**

It is certified that I/We, the undersigned, do not have relationship with any of the employees working at Creative Museum Designers.

The above statement is true and is submitted against the Tender No. CMD-007.12.52(Works)/22-23/31 of Creative Museum Designers.

Signature of the tenderer / Constituted Attorney.

(With date and Official Seal)

**FORMAT OF ARTICLES OF AGREEMENT**

ARTICLES OF AGREEMENT made at **Kolkata** this **Tenth** day of **March, 2023** between the **Creative Museum Designers** at NCSM Campus, CRTL Building- II, 33, Block GN, Sector - V, Bidhannagar, Kolkata- 700091 (Registered under Section 25 of the erstwhile Companies Act, 1956) and a wholly owned Company of National Council of Science Museums (a Society registered under the Societies Registration Act of West Bengal 1961) hereinafter referred to as the CMD which expression shall include its successors and assigns on the one part and **M/s. ABCD Private Limited** having its registered office at **XYZ**, hereinafter referred to as the Successful Tenderer which expression shall include his/their respective heirs, executors, administrators and assigns on the other part.

WHEREAS the CMD is desirous of getting the work of "**FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.**" therein done and has caused Notice Inviting Tender (Including appendix), schedule of quantities and specifications describing the work and conditions of contract prepared by **Creative Museum Designers, 33, Block – GN Sector –V, Bidhannagar, Kolkata – 700091.**

AND WHEREAS the said NIT (including appendix), specifications and the conditions of contract have been signed by or on behalf of the parties hereto.

AND WHEREAS the Successful Tenderer has deposited in Demand Draft a sum of Rupees Sixty Thousand only with the CMD as Initial Security for the due performance of this Agreement as provided in the said conditions of contract.

NOW IT IS HEREBY AGREED AND DECLARED BY AND BETWEEN THE PARTIES HERETO AS FOLLOWS:

1. In consideration of the payment to be made by the CMD to the successful tenderer as hereinafter mentioned, the successful tenderer hereby covenants with the CMD to perform execute and complete the work in conformity in all respects with the provision of the contract (**STRICTLY WITHIN 80 days + 10 days** of mobilization period from the date of the issue of Letter of Intent and as per the Technical Specification in Tender Document and detailed drawings).
2. CMD hereby covenants to pay the successful tenderer in consideration of the execution and completion of the work such sum as shall become payable hereunder at the time and in the manner prescribed in the said conditions and payment schedule.
3. Time is the essence of this Agreement and the Successful Tenderer shall pay or allow the CMD the sum equivalent to one per cent of the total cost of work awarded per week subject to a limit of 10% of the total cost of work as penalty for the period during which the said work shall remain incomplete beyond the time allowed in Clause-1 above or beyond the time duly extended in writing as per said conditions. The CMD may deduct such amount from any money due to the Successful Tenderer.
4. The Notice Inviting Tender (including Appendix if any), general terms and conditions of

Contract, corrigendum (if any), addendum (if any), scope of work, drawings and technical

specifications shall form the basis of this agreement and the decision of the CMD in reference to all matters or dispute as to material and workmanship shall be final and binding on the Successful Tenderer.

5. The CMD reserves to itself the rights of altering the drawings and of adding to or omitting any item of work or of having portions of the same carried out departmentally or otherwise and such alterations or variations shall not vitiate this agreement.
6. This agreement comprises the work above and all subsidiary work connected therewith, even though such work may not be shown on the drawing or described in the said specifications.

#### ARBITRATION

In the case of any disputes or differences arising out of or in connection with, or concerning this Agreement, it shall be settled by arbitration. The arbitration shall be conducted by an expert as Arbitrator in the field acceptable to both the parties. In case of disagreement, it shall be through three experts in the field, one to be appointed by each party and the third presiding expert to be jointly appointed by the two experts referred to. The arbitration shall be as per the provision of the Arbitration and Conciliation (Amendment) Act, 2015 and the decision of the panel so appointed shall be final and binding on both the parties to this Agreement. The place of arbitration shall be normally Kolkata or any other suitable place mutually agreed.

The provisions of the Arbitration and Conciliation Act 2015 or any statutory modification or re-enactment thereof and of the rules made there under for the time being in force shall apply to arbitration proceedings under this clause.

#### FORCE MAJEURE EVENT (FME)

If there is a delay in performance or other failures by the Successful Tenderer to perform its obligation under its contract due to the event of a Force Majeure as mentioned hereunder, the Successful Tenderer shall not be held responsible for such delays/failures. If a force majeure situation arises, the Successful Tenderer shall promptly apply in writing to the Project In-charge/CMD within 07 days or as soon as it occurs and it cannot be claimed ex-post facto:

- a. by reason of any exceptionally inclement weather like Cyclone, severe flood etc., normal monsoon shall not be considered a valid reason for the extension of time,
- b. by reason of proceedings taken or threatened by, or legal disputes with adjoining or neighbouring owners,
- c. by reason of any epidemics, quarantine restrictions etc. declared by the Government,
- d. due to delay in the work of other agencies or tradesman engaged or nominated by the consideration of the Company: if such delay is directly responsible for delay in execution of this work,
- e. by reason of any general strike or lockout affecting work, strike or any kind of labour trouble in successful tenderer's organisation shall not be a valid reason for the extension.
- f. There may be a Force Majeure situation affecting the Tenderee (CMD) only, under which the Tenderee (CMD) shall have equal rights to claim relief under such Force Majeure situations.

#### LANGUAGE

All correspondence and documents relating to/relevant to this Agreement shall be in writing and only in English language.

In witness whereof the parties have set their respective hands the day and the year hereinabove written:

Signed by for and on behalf of the CMD.....  
(With official seal)

In presence of

(1).....

(2).....

Signed by the said Successful Tenderer.....  
(With official seal)

In presence of

(1).....

(2).....

# **Creative Museum Designers**

*(A Section 8 Company Guaranteed by National Council of Science Museums)*

*Govt. of India*

*33 Block- GN, Sector-V, Bidhannagar, Kolkata-700 091*

**PART OF: FINANCIAL BID**

## **OFFER FORM**

**Tender No. CMD - 007.12.52(WORKS)/22-23/31**

FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR.

I/We have read, understood and accepted all the General Terms and Conditions for FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR as per CMD's specifications as laid down in drawings by Creative Museum Designers, Kolkata.

I/We hereby offer my/our rates for the said tender: -

1. Name of the Tenderer :
2. Permanent address (in case of :  
Firm/Company, address of the  
registered office including jurisdiction  
of the police station should be given)
3. Telephone Nos.
  - a) Office :
  - b) Workshop/Factory :
  - c) Mobile :
4. Name of the Bankers and their address :

**05. PRICE OFFER****COST OF FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEO SCIENCE MUSEUM, GWALIOR**

SL.	Item Description	Qty.	Rate	Amount	GST %	GST (₹)	Total Amount in (₹)
1	Semi outdoor LED Display with auto brightness control – Pixel Pitch 3.1 mm (3.84 m x 1.92 m) (Qty. in Sets)	2					
2	LED control system (Qty. in Sets)	2					
3	Signage media player (Qty. in Sets)	1					
4	Signage Software ( Perpetual licence)	1					
5	Power Distribution Unit (Qty. in Sets)	2					
6	Online UPS 5kVA with isolation transformer and rack and accessories (Qty in Sets)	2					
7	Battery, 42 Ah ( SMF battery)	16					
8	Steel Mounting Structure	2					
9	Installation and Commissioning at Gwalior	L.S.					
<b>GRAND TOTAL INCL ALL</b>							

**NOTE:**

Before quoting please read the tender document carefully, see the enclosed drawings and survey the site at Geo Science Museum, Gwalior and may obtain clarification on any point from the authority before submission of rates.

The above rates quoted by us for **FABRICATION, SUPPLY & INSTALLATION OF SEMI-OUTDOOR VIDEO WALL INCLUDING FABRICATION OF MOUNTING STRUCTURE, OPERATING SOFTWARE FOR GEOSCIENCE MUSEUM, GWALIOR** are strictly in accordance with the **CREATIVE MUSEUM DESIGNERS, KOLKATA** specifications and drawings and as per GTC.

**I/We as tenderer certify that:**

- Agree to offer services for the onsite comprehensive warranty on the items supplied (Sl. No. 1 to 7) through this tender.
- Agree to impart training to the designated personnel of CMD.
- Agree that the offer price is valid for a period of 90 days from the date of opening of the technical bid of this tender.

*In addition to the above, you are also requested to quote your best possible rate for Comprehensive Annual Maintenance Contract of the aforesaid items for two more years after the completion of the Warranty Period. CMD/ GSI Museum Authorities may opt for this AMC in case of necessity. Prior intimation will be given to you in case of execution and an agreement will be signed accordingly.*

*Except for any enhancement in the GST rate/rules, Comprehensive AMC rate quoted by the agency shall be fixed for a period of two years (However, CMD/GSI Museum Authority has the right to negotiate with the party regarding the quoted AMC rates).*

Sl	Description	Qty. Nos.	Amount ₹
1.	AMC charges for 1 <sup>st</sup> year after Warranty (Sl. No. 1 to 6)	L.S.	
2.	AMC charges for 2nd year after Warranty (Sl. No. 1 to 6)	L.S.	
GST @ _____%			
Grand Total (₹)			

Date:

Signature of the Tenderer/Authorised Attorney

Official Seal



Some Images of the site

