

**E-TENDER
FOR
SUPPLY, INSTALLATION, TESTING
AND COMMISSIONING OF DIGITAL
CYCLORAMA &
OTHER DIGITAL INSTALLATIONS
IN
PRE-HISTORIC LIFE GALLERY
AT
NATIONAL SCIENCE CENTRE,
DELHI**



Ministry of Culture
Government of India

**NATIONAL SCIENCE CENTRE
(A Unit of NATIONAL COUNCIL OF SCIENCE MUSEUMS)
NEAR GATE NO.4, PRAGATI MAIDAN
BHAIRON ROAD, NEW DELHI – 110 001**

NATIONAL SCIENCE CENTRE
(A Unit of National Council of Science Museums)
Near Gate No. 4, Pragati Maidan,
Bhairon Road, New Delhi - 110001

TENDER No. NSCD/18011/E-Tender – 16 /2025-26

NOTICE INVITING E-TENDER

On-line Digitally signed E-Tenders are invited in two Bid System from the competent and eligible agencies who satisfy the eligibility criteria enumerated in the Tender Documents for **“Supply, Installation, Testing and Commissioning of digital cyclorama & other digital installations in pre-historic life gallery at National Science Centre, Delhi”**. Interested agencies may download the tender documents from the Central Public Procurement Portal (CPPP): <http://eprocure.gov.in/eprocure/app> or from Centre’s website or www.nscd.gov.in as per the following schedule: -

1	Bid Document Published Date	31 st July, 2025 (17:45 PM)
2	Bid document download start date	31 st July, 2025 (17:50 PM)
3	Pre-bid queries/clarifications start date	31 st July, 2025 (17:55 PM)
5	Last Date of submission of Pre-Bid Queries/ clarifications (No later queries shall be entertained)	06 th August, 2025 (18:00 PM) at the following email id: bharti.nscd@gmail.com nscdelhi10@gmail.com
6	Date, time and place of Pre-Bid meeting Pre-Bid meeting will be held on hybrid mode. However, If any Agency want to attend the meeting physically, they can attend the meeting at NSC, DELHI office on the stipulated date and time. The bidder who will submit the pre-bid clarification through email shall get the intimation from NSC, DELHI to attend the pre-bid meeting online. Bidders interested to attend the meeting online should send their email address.	06 th August, 2025 (Time : 11.30 AM) Place: National Science Centre, Pragati Maidan, Bhairon Marg, New Delhi – 110001. (Link for Pre-Bid meeting is mentioned below.) http://meet.google.com/hev-wvja-hbd
7	Bid Submission Start Date	07 th August, 2025 (10:00 AM)
8	Bid Submission End Date	20 th August, 2025 (15:00 PM)
9	Technical (Techno-commercial) Bid Opening	21 st August, 2025 (15:30 PM)
10	Date and Place of Technical Presentation	Shall be communicated later on
11	Financial Bid Opening Date	Shall be communicated later on

12	Technical Presentation (Selected bidders only)	
13	Estimated cost of work (with GST)	₹ 100.00 Lakhs (This estimate is only for SITC with 3 years defect liability period)
14	Earnest Money Deposit @2.5% of estimate	₹2,50,000/- (Rupees Two Lakh Fifty Thousand Only)
15	Period of completion of work	75 days
**Pre Bid Meeting Link:		http://meet.google.com/hev-wvja-hbd

The online bid, both Technical Bid and Financial Bid, should be uploaded by the due date and time as per the above schedule. The responsibility to ensure the same lies with the bidders. Off-line tenders shall not be accepted and no request in this regard will be entertained whatsoever. **Online Technical Bid will be opened at the first instance in National Science Centre, Delhi at 03:30 PM on 21st August, 2025 for technical evaluation as well as selection of technically acceptable offers.** In the second stage, the Financial Bids of only the selected and techno-commercially acceptable offers / system / equipment will be opened. Decision of the Centre, regarding selection of eligible and qualified vendors / firms for opening the Financial Bid shall be final and binding on the bidders. Bidders may be present during opening of tenders.

NSC, Delhi reserves the right to accept or reject any or all tenders in full or part without assigning any reason whatsoever. NSCD shall also not be bound to accept merely the lowest tender but the technical suitability, capability and superiority of the equipment / system as well as after sales service including infrastructure to render such service, etc. shall be of prime consideration for selection of the equipment /system.

ELIGIBILITY CRITERIA FOR APPLYING

1. Agencies/Projector making companies that are fulfilling the following conditions will be eligible for submission of E-Tender.

- The registered company/firm should have minimum 05 year experience preceding the proposal due date, in the desired product supply. Experience in the SITC work of projectors for its selection process.
- The financial turnover of the firm/tenderer should be **₹100 Lakhs** or more during last three financial years. Necessary papers and tax return acknowledgement received from the Income Tax department may please be attached.
- Three (03) similar completed works (at least one of them should be in Central Government/ Central Autonomous Bodies/ State Govt./ Central Public Sector Undertakings) each costing not less than 40% of estimated cost.

OR

Two (02) similar completed works (at least one of them should be in Central Government/Central Autonomous Bodies/ State Govt./Central Public Sector Undertakings) each costing not less than 60% of the estimated cost.

OR

One (01) similar completed work (in Central Government/Central Autonomous Bodies/ State Govt./Central Public Sector Undertakings) of aggregate cost not less than 80% of the estimated cost.

- OEM or Authorized Seller/ Distributor (Certificate to be attached) of the projectors.

EVALUATION METHODOLOGY-will have two stages:

Stage-1: General cum Technical Bid Evaluation.

Stage-2: Financial Bid Evaluation.

GENERAL CUM TECHNICAL BID EVALUATION

The evaluation will involve validating the credentials submitted in the format as prescribed in Annexure-D. Credentials without valid proof will be invalid and will not be considered for eligibility. NSCD reserves the right to accept or reject proof of credentials at its sole discretion without having to give reasons to the bidders thereof.

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 fulfill the above pre-qualification criteria shall be opened.
2. The bidders has to upload the compliance sheet (Annexure-E) 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.

4. PROPOSAL EVALUATION / SELECTION CRITERIA

A. A three-stage procedure (two-bid system) based Selection Evaluation 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 covers will not be opened.
2. **Thematic/Technical Presentation Evaluation:** The agencies qualifying on the basis of their eligibility criteria will only be called for Thematic/Technical Presentations (may be arranged in online) which can be at a very short notice.
3. **Financial Evaluation:** Only the bidders/firms securing the minimum qualifying marks based on Eligibility Criteria Evaluation and Technical/Presentation Evaluation as described in details below will be eligible for their Financial Bid Opening & Financial Evaluation

The evaluation shall be carried out in accordance of the marking system as detailed below:

B. Technical Evaluation

- i) The Evaluation Committee appointed by the Centre 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 along with presentation.
- ii) Each responsive proposal shall be attributed a technical score. Based on the technical assessment, agencies securing minimum **70 marks out of 100 will be** shortlisted and the financial bids of only the shortlisted agencies will be opened. The date and time of opening of the financial bids will be intimated to the selected/ shortlisted agencies through CPP portal.

C. Financial Evaluation

In two bid systems eligible technical bidders with lowest financial bid in each category of BOQ (Annexure-H) will be considered for awarding the tender.

Note: Technical Bids will be evaluated on the basis of documents as detailed above & Presentations to be made by the eligible agencies before the Constituted Committee. The date and time of the presentations (if organized) will be conveyed to the eligible agencies.

D. Technical cum Creative Evaluation Marks

The Technical Bids will be evaluated on the basis of the indicated parameters in the table below:

Evaluation of bids found eligible as per pre-qualification criteria would be undertaken by Technical Evaluation Committee Constituted by the competent authority as per parameters cited below:

S ,No.	Parameter	Criteria	Sub Marks	Total Marks	Marks Obtained
	Credentials of applicant/ agency: The bidder should have minimum 05 year experience preceding the proposal due date, in the similar work* (Total Max. marks- 10) * Similar Works refers to the Design and development of interactive multimedia interfaces (standalone data retrieval interfaces having animation, video, audio and music etc.) for museums, Science Centres, Science Cities, Experiential Museum etc.	5 Years - 5 Marks	5	10	

	<p>Team (<i>Experience and Credentials will be taken into account for giving marks</i>). <i>Provide detailed Biodata highlighting their past work</i> (Total Max. marks- 10)</p>	<p>Team leader with a P.G Diploma or Bachelor in Animation & Graphics or equivalent in Multimedia (from a renowned Institute/College) is mandatory and having experience more than 5 years) – 10 Marks</p> <p>Experience between 3 to 5 years – 5 Marks</p> <p>Experience less than 3 years – 0 Marks</p>	<p>10</p> <p>5</p> <p>0</p>		
		<p>Team members (minimum four members) having average work experience of 3 years or more – 5 marks,</p> <p>Team members (minimum three members) having work experience of less than 3 years but more than 2 years – 3 marks</p> <p>Team members (minimum three members) having work experience less than 2 years – 1 mark</p>	<p>5</p> <p>3</p> <p>1</p>		
	<p>Financial Soundness: Firms / Companies should have average annual financial turnover of Rs. 138.00 lakhs during the last 3 financial years (AY 2024-25, 2023-24, and 2022-23) {of Lead Partner in case of consortium} {May include for FY 2021-2022 in case audit for last year is not done} (Total Max. Marks- 10)</p>	<p>Turnover of Rs.100.00 lakhs to 120.00 lakhs – 5 marks</p> <p>Turnover of more than Rs.121.00 lakhs to 140.00 lakhs – Bonus 3 marks</p> <p>Turnover of more than 140.00 lakhs - Bonus 2 marks</p>	<p>5</p> <p>3</p> <p>2</p>	<p>10</p>	

	<p>Work Experience Completion of similar projects during the last 5 years as per the details given below: One similar work of value not less than 80% of the estimated cost of work. Or Two similar works each of value not less than 60% of estimated cost of work. Or Three similar works each of value not less than 40% of estimated cost of work</p>	<p>For completed works having value $\geq 80\%$ of the estimated cost of work - 20 marks for each work (Maximum 20 marks)</p> <p>OR</p> <p>For completed works having value $\geq 60\%$ of estimated cost of work – 20 marks for each work</p> <p>OR</p> <p>For completed works having value $\geq 40\%$ of estimated cost - (Maximum 20 marks)</p>	20	35	
	Extra Projects of value $\geq 80\%$	For completed extra projects having value 80% of estimated cost - 5 marks for each work (Maximum 15 marks)	15		
	Extra Projects of value $\geq 60\%$	For completed extra projects having value 60% of estimated cost - 4 marks for each work (Maximum 15 marks)			
	Extra Projects of value $\geq 40\%$	For completed extra projects having value 40% of estimated cost - 3 marks for each work (Maximum 15 marks)			
	<p>Technical Work Evaluation (There will be Technical Presentation. Evaluated by the Technical Expert Committee.) (Total Max Marks- 40)</p>	Marking criteria for technical presentation is as per the below table A.	40	40	

+ Breakup of marks in the Technical Presentation:

A multimedia presentation should contain both a multimedia and an animation film (short duration 30 -40sec.) based on any theme in Annexure E should be provided along with sections as mentioned in table A. Minimum 2 popup windows/ pages for multimedia should be shown with interactivity and animation(2D/3D) should be presented during presentation. The video should have animation. It is mandatory to submit the presentation via pendrive/ portable media/ google drive along with the sample multimedia and animation film.

Duration of presentation: 15 minutes.

Table A

Creative Interactivity & User Experience (Ease of navigation and intuitive user interface design, Adaptability for different age groups)	Max. marks- 10
Creative Visual & Aesthetic Design (High-quality graphics, animations, and multimedia integration, color schemes, Animations and transitions , typography, and visual storytelling, Realism and artistic representation of celestial objects)	Max marks -5
Technological framework for the developing the Multimedia	Max marks -10
Customization & Flexibility (Ability to update and modify content easily, Modular development approach)	Max marks -10
Scalability & Performance (response time and smoothness of animations, Scalability of the multimedia content)	Max marks -5

N.B - All the criteria are to be substantiated with necessary valid documents wherever required.

Note: a. Bidders who are awarded zero marks in any of the items from S. No. 1 to 4 will not be qualified for technical presentation (considering eligibility criteria). Bidders must get 70% in the technical for getting eligible for opening the financial bid.

b. In the event, composite bid scores are “tied”, the bidder securing the highest technical score will be declared as the Best Value Bidder for award of the Job

CHECK LIST

Check list of Tender No. NSCD/18011/E-Tender- 16 /2025-26 for “**Supply, Installation, Testing and Commissioning of digital cyclorama & other digital installations in pre-historic life gallery at National Science Centre, Delhi.**”

Sl. No.	Description	Yes	No
01.	Whether E-Tender uploaded on Centre Public Procurement Portal of Govt. of India in Two parts (i.e. Technical & Commercial) separately.		
02	Whether Tender documents are carefully studied & understood.		
03	Whether Tender documents duly signed and stamped on all pages are scanned and uploaded as Part – I of the Tender in Central Public Procurement Portal.		
04	Whether Declaration regarding Non-relation, duly signed and stamped, and scanned copy of the same uploaded as Part – I of the Tender in Central Public Procurement Portal. ANNEXURE C		
05	Whether Declaration certifying that there are no extra conditions quoted in the Offer Form duly signed and stamped, and scanned copy of the same uploaded as Part– I of the Tender in central public procurement portal. ANNEXURE C		
06	Whether EMD Exemption Document / Earnest Money of ₹2,50,000/- (Rupees Two Lakh Fifty Thousand only) submitted by online / vide Demand Draft No. dated..... and Scanned copy of DD uploaded as Part – I of the Tender. Please note that the original DD should be couriered /hand delivered to NSC Delhi / online payment details shall be sent to NSCD before the time of opening Technical Bid.		
07.	Did you visit the actual site for execution of the work/ supply before submitting the Tender? This is advised to visit the site prior to bidding.		
08.	Authorization Letter issued from OEM enclosed with the Technical Bid.		

Date:

Signature of the Tenderer

Place:

Official Seal

General Information and Instructions

1. The instruction given herein will be strictly binding on the tenderers and deviation, if any will make the tender or tenders liable to be considered invalid. Tenders incorporating additional conditions by the tenderer are liable for rejection.
2. Bids shall be submitted online only at CPPP website: <https://eprocure.gov.in/eprocure/app> Manual bids shall not be accepted.
3. The instruction given in “**Annexure-A**” for “**Instruction for Online Bid Submission**” should be strictly followed during submission of the bid.
4. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
5. An agent of foreign OEM for submitting the offer on behalf of OEM, would be required to produce a copy of their legal bid agreement with their principal as an Indian agent failing which their bid would be disqualified.
6. Bid should be submitted along with the **Earnest Money of ₹2,50,000/-** (Rupees Two Lakh Fifty Thousand only) by way of crossed Demand Draft / Bankers Cheque/ Pay Order on any of the commercial banks or through online payment by NEFT/RTGS/payable in favour of “NATIONAL SCIENCE CENTRE, Payable at DELHI”. Any mistake in calculation of the amount of Earnest Money will be the responsibility of the Bidder and the tender will be rejected if the amount is found to be less than the number of films for which the tender has been submitted. Earnest Money deposit in the form of Bank Guarantee /Bond or any other instrument shall not be accepted and shall be rejected straightway. Earnest Money deposits in respect of such offers which are not accepted will be returned to the bidders within 30 working days from the date on which the final decision is taken about the source from which the items under tender are to be procured or within 2 (two) months from the date of the opening of the tenders, whichever is earlier. No interest will be paid on the Earnest Money deposited with the Council. Earnest Money deposit in respect of the successful bidders will be retained with the NSCD until entire execution of the order as per terms of the tender. If the successful bidder fails to execute the order strictly as per the NSCD’s specification in full or part within the stipulated delivery period of the purchase order, the Earnest Money deposit retained with the NSCD shall be forfeited forthwith after cancellation of the concerned order. **Exemption will be given to the MSME/ NSIC registered agencies for submission of EMD.**
7. Validity of Bids: The Bids should remain valid for 90 days from the date of bid opening of Financial Bid.
8. Rejection of Bids: Canvassing by the Bidder in any form, unsolicited letter and post-tender correction may invoke summary rejection. Conditional tenders will be rejected. Non-compliance of applicable General Information and Instruction will disqualify the Bid.
9. The Bidders should have Digital Signature Certificate (DSC) for filling up the bids. The person signing the tender documents should be authorized for submitting the on line e-tender.
10. The Financial Bid (BOQ) shall be filled in and signed by the authorized signatory online as per Proforma “Annexure-G” available at Central Public Procurement Portal e-tender system website <http://eprocure.gov.in/eprocure/app>. Off line Financial Bid shall not be accepted.

11. Tender must be uploaded on-line in two separate sets – namely Part-1 (Technical) and Part-2 (Financial) on Central Public Procurement Portal. The contents of Cover shall be as follows:-

Envelop-1: It shall contain:-

S. No.	Description	Yes	No	Remarks
01.	Technical (Techno-Commercial) Bid duly filled in and signed with official stamp as per Annexure-D .			
02.	All relevant supporting documents related to “Technical (Techno-commercial) Bid” as per “ Annexure-D ”			
03.	General Terms & Conditions duly signed with official stamp as a token of acceptance as per Annexure-B .			
04.	Copies of document showing last 03 years financial turnover of the firm.			
05.	Scanned Copy of the current and Valid Tax Clearance Certificate.			
06.	The ‘Declaration’ duly signed with official stamp as detailed in Annexure-C .			
07.	Scanned copy of Demand Draft/details of Online Payment for ₹2,50,000/- (Rupees Two Lakh Fifty Thousand Only) as Earnest Money Deposit.			

Envelop-2: It shall contain:-

- i) The Financial Bid (as per Annexure-G) i.e., Schedule of Price Bid in the form of attached BOQ Performa shall be duly filled in, digitally signed and uploaded online by the bidder.
- ii) Cost Breakup Sheet as per sample attached at Annexure – G-1.

N.B.: The bidders shall consider the prevailing tax rates while quoting the rates. However, in the event of any changes in the statutory taxes and duties, the rates applicable at the time of payment shall be made by the Competent Authority of the NSC, Delhi against submission of supporting documentary evidence.

12. **ORDER SHALL BE PLACED IN FAVOUR OF THE BIDDER WHOSE TECHNICAL BID IS ACCEPTABLE AND OFFERED LOWEST RATE IN “OVER ALL ITEM” AS PER BOQ IN ANNEXURE-G.**

13. The authorities of National Science Centre, Delhi who does not bind themselves to accept the lowest tender, reserves the right to reject or accept any or all tenders wholly or partially without assigning any reason whatsoever.

NATIONAL SCIENCE CENTRE,
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TENDER NO.: NSCD/18011/E-Tender- 16 /2025-26

INSTRUCTIONS FOR ONLINE BID SUBMISSION

1. The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal.
2. More information useful for submitting online bids on the CPP Portal may be obtained at <https://eprocure.gov.in/eprocure/app>

REGISTRATION

1. Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link “**Online Bidders Enrolment**” on the CPP Portal which is free of charge.
2. As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
3. Bidders are advised to register their valid email address and mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
4. Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sify / nCode / eMudhra etc.) with their profile.
5. Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC’s to others which may lead to misuse.
6. Bidders may then log-in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

SEARCHING FOR TENDER DOCUMENTS

1. There are various search options built in the CPP Portal to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, Organization Name, Location, Date, Value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as Organization Name, Form of Contract, Location, Date, Other keywords, etc. to search for a tender published on the CPP Portal.

2. Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective “My Tenders” folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
3. The bidders should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

PREPARATION OF BIDS

1. Bidders should take into account any corrigendum published on CPPP in connection with the tender document before submitting their bids.
2. **Please go through the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of sets in which the bid documents have to be submitted, the number of documents - including the names and content of each of the documents that need to be submitted. Any deviations from these may lead to rejection of the bid.**
3. Bidders, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF / JPG formats. Bid documents may be scanned with 100 dpi with black and white option which helps in reducing size of the scanned document.
4. To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates, etc.) has been provided to the bidders. Bidders can use “My Space” or “Other Important Documents” area available to them to upload such documents. These documents may be directly submitted from the “My Space” area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for the bid submission process.

SUBMISSION OF BIDS

1. Bidders should log-in to the site well in advance for bid submission so that they can upload the bid in time i.e. on or before the bid submission time. Bidders will be responsible for any delay due to other issues.
2. The bidders have to digitally sign and upload the required bid documents one by one as indicated in the tender document.
3. Bidders should submit the EMD as per the instructions specified in the tender document. The original instrument should be posted/couriered/given in person to the Tender Processing Section at the above address, latest by the last date of bid submission. The detail of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected. Exemption will be given to the MSME/NSIC registered agencies for submission of EMD.

4. A standard Price Schedule format (BOQ) has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their financial bids in the format provided and no other format is acceptable. If the price bid has been given as a standard BOQ format with the tender document, then the same is to be downloaded and to be filled by all the bidders. Bidders are required to download the BOQ file, open it and complete the white coloured (unprotected) cells with their respective financial quotes and other details (such as name of the bidders). No other cells should be changed. **In case no rate value is required to be quoted in any particular cell, that cell may be kept blank, figure “0” (zero) shall not be entered in such cell(s).** Once the details have been completed, the bidders should save it and submit it online, without changing the filename. If the BOQ file is found to be modified by the bidders, the bid will be rejected.
5. The server time (which is displayed on the bidders’ dashboard) will be considered as the standard time for referring to the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.
6. All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128-bit encryption technology. Data storage encryption of sensitive fields is done. Any bid document that is uploaded to the server is subjected to symmetric encryption using a system generated symmetric key. Further this key is subjected to asymmetric encryption using buyers/bid opener’s public keys. Overall, the uploaded tender documents become readable only after the tender opening by the authorized bid openers.
7. The uploaded tender documents become readable only after the tender opening by the authorized bid openers.
8. Upon the successful and timely submission of bids (i.e. after Clicking “Freeze Bid Submission” in the portal), the portal will give a successful bid submission message and a bid summary will be displayed with the bid number and the date & time of submission of the bid with all other relevant details.
9. The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

ASSISTANCE TO BIDDERS

1. Any enquiries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority or the relevant contact person indicated in the tender.
2. Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal helpdesk. The contact number for the helpdesk is 1800 233 7315.
3. Any queries relating to the Tender may be addressed to bharti.nscd@gmail.com, mayank.chaurasia@gmail.com, nscdelhi10@gmail.com, with proper credentials of the bidders before the bid clarification date thereafter no queries will be entertained.

NATIONAL SCIENCE CENTRE
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Tender No.: NSCD/18011/E-Tender- 16/2025-26

GENERAL TERMS AND CONDITIONS FOR SUBMISSION OF TENDER

For “Supply, Installation, Testing and Commissioning of digital cyclorama & other digital installations in pre-historic life gallery at National Science Centre, Delhi.” the tenderers are required to submit the tender in two parts i.e. Part-I and Part – II as per the details given in the point 11 of **General Information and Instructions**.

1. **PRICE:** The rates quoted/indicated shall include cost as per the details specified in **Annexure-E** “Technical specification and Scope of Work”, in the tender document. **The rates of GST and other taxes/levies to be imposed on the quoted rates shall have to be clearly and separately mentioned.** 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. The overall lowest bidder shall be awarded the tender.
2. The bidders shall consider the prevailing tax rates while quoting the rates. However, in the event of any changes in the statutory taxes and duties, the rates applicable at the time of payment shall be made by the competent authority of the NSC Delhi against submission of supporting documentary evidence.
3. The successful tenderer shall submit the following documents within 07 (Seven) days from the date of placement of Letter of Intent.
 - a. Duplicate copy of Letter of Intent duly signed and stamped as a token of acceptance of the work order.
 - b. Non-judicial stamp paper of appropriate value for preparing the Agreement governing the terms and conditions of the Contract.
 - c. Security Deposit as detailed in Clause No. 06 of General Terms & Conditions.
4. **TIME OF COMPLETION:** Time is the essence of the tender. The entire work of final film supply shall be completed in a time bound manner. The entire work shall be completed within **75 (Seventy Five days)** from the date of placement of Letter of Intent. The tenderer may please note that all the films ordered shall have to be completed in the same time frame.
5. For non-compliance of any of the above terms and non-delivery of the tendered item complete in all respects within the above stipulated period, the Centre shall either cancel the order or impose penalty as detailed in Clause 6 below. The Centre reserves the right to cancel the order and no payment will be made under such condition. Decision of the Centre in this regard shall be final and binding on the successful tenderers.
6. **PENALTY CLAUSE:** The successful Tenderer shall strictly observe the time allowed for carrying out the job as detailed in Clause No.4 under General Terms & Conditions. The job shall, throughout the stipulated period of the order be proceeded with all the diligence (time being deemed to be the essence of the order) and the successful Tenderer shall pay to the Centre, an amount equal to 1% of the amount of the order value for every week that the delivery may remain incomplete as per delivery schedule as stipulated in Clause no.4 under General Terms & Conditions, subject to a maximum compensation of 10% of the order value and after that period appropriate action will be taken by the Centre, as it will deem fit.

7. The Centre may extend the time of delivery of the tendered job at its discretion on the application of the successful tenderer for such purpose provided that it considers the reasons for such extension as good, sufficient, acceptable and unavoidable.

8. PAYMENT TERMS:

S. No.	On Completion of	Payment Admissible
1	On delivery of the entire materials/ consignment and submission of bill of quantities	60% (Sixty percent) of the total sum of the items in INR on delivery of the entire materials/ consignment and submission of bill of quantities
2	On successful completion of SITC of projectors, projection screen etc.as per bill of quantities	30% (Thirty percent) of the total sum of the items in INR
3	On successful operational training and handing over the equipment to the authorized representative of NSC, Delhi and on submission of warranty certificate.	Balance 10% (Ten percent) of the total sum of the items in INR.
4	After completion of 3 years defect liability period.	Refund of 100% of Security Deposit/ Retention Money against successful completion of three years of DLP.

- i. No advance payment shall be made by the Centre on any circumstances. Payment shall be released after satisfactory completion of the entire job and within 75 (Seventy Five) days from the date of receipt of Tax Invoice duly supported by receipted challan and satisfactory/work completion certificate issued by the Competent Authority of the Centre.
- ii. Payment shall be released through NEFT/RTGS for which details of bank account shall be mentioned in their bill.

9. In case, the successful Tenderer refuses to accept the offer finalization or does not comply with the Clause No.03 as per the finalized and accepted terms and conditions, the order shall be cancelled forthwith without any further reference and the EMD will be forfeited.

10. RETENTION MONEY/ SECURITY DEPOSIT: Technically lowest successful tenderer shall deposit 10% of the total amount of work awarded at National Science Centre as refundable Security Deposit in the form of DD after adjusting the EMD already deposited with this NIT, after getting the confirmed order and before the commencement of work. The security Deposit shall be refunded to the successful tenderer after completion of three years of defect liability period of work.

11. Every effort should be made to complete the work by the successful Tenderer within the specified time schedule. In case the successful tenderer fails to comply with Clause No.04 under General Terms & Conditions i.e., the specified time schedule as per the finalized and accepted terms and conditions the Centre shall have the rights to either impose Penalty Clause or cancel the order forfeiting the EMD. The decision of the Centre in this regard shall be final and binding on the successful Tenderer.

12. Bad quality of work will not be accepted and if carried out is liable to be rejected and should be rectified by the successful Tenderer at his cost as per specification and directions given by the authorized representatives of the Centre. The decision of the Centre, as to items of bad quality and proper rectification, will be final and binding on the successful Tenderers.

- 13.** Any ambiguity in the specification/scope of work is detected; it shall be promptly brought to the notice of the Centre for clarifications. The successful tenderer without written approval/permission of the Centre shall make no deviation from the approved specifications.
- 14.** The successful Tenderer shall submit necessary trade and other licenses as may be required to carry on the tendered job and shall also be responsible for compliance at his/her own cost of all rules and regulations, enforced from time to time by the appropriate authorities.
- 15.** The successful Tenderer shall not under any circumstances whatsoever transfer wholly or partly the contract/agreement/purchase order to any other person(s)/firm/company or assign the agreement or benefits of this agreement to any other party for any reason whatsoever. Otherwise the order/agreement to will automatically stand cancelled.
- 16.** The authorities of the Centre, reserve the right to amend, alter or modify the terms and conditions mentioned above, if necessary, from time to time and also cancel the tender without assigning any reason.
- 17.** Income Tax and Work Contract Tax shall be deducted at source, if applicable, from each bill/claim of firm as per prevailing Government rules.
- 18.** Incomplete offers, i.e., offers received without prescribed “Offer Form” (BOQ), ‘General Terms of Conditions”, Technical Specifications” duly signed on all pages with official seal may be rejected straightway without reference to the tenderer.
- 19.** Party must have valid TIN/PAN/GST Registration number and attach a documentary proof with the Tender.
- 20.** The agency shall take care of all statutory obligations as are required under the Contract Labour Regulation Act, etc.
- 21.** The offer shall be valid for a minimum period of 03 months from the date of opening of the tender.
- 22.** The agencies participating in the tender and bidding, may obtain on specific request, details about the outcome of the tender and other related details, if any.
- 23.** All disputes and differences between the successful tenderer and the Centre of any kind, except quality of workmanship and materials, whatever arising out of or in connection with the order on carrying out the work (whether during the progress of the work or after their completion and whether before or after the determination, abandonment or breach of the terms and conditions of the order) shall be referred to the sole arbitration of a person nominated by the Director General, National Council of Science Museum, whose decision in this regard will be final and binding on both the parties-the successful Tenderer and the Centre. The provisions of the Arbitration and Conciliation Act 1996 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’s proceedings under the Clause.

24. FORCE MAJEURE:-In the event of either party being rendered unable by Force Majeure to perform any obligation required to be performed by them under the contract, the relative obligation of the party affected by such Force Majeure shall be suspended for the period during which such cause lasts. The term “Force Majeure” as employed herein shall mean acts of God, War, Civil Riots, Fire directly affecting the performance of the MOU, Flood and Acts and Regulations of the government. Upon the occurrence of such cause and upon its termination, the party alleging that it has been rendered unable as aforesaid thereby, shall notify the other party in writing, the beginning of the cause amounting to Force Majeure as also the ending of the said cause by giving notice to the other party within 72 (seventy two) hours of the alleged beginning and ending of the cause respectively. If performance under the MOU is suspended by Force Majeure conditions lasting for more than 02 (two) months, either party shall have the option of cancelling the MOU, in whole or it part, at its discretion without any liability on its part.

25. Make in India (MII) The tender abides with GOI order date 15th June 2017 to give purchase preference to Make in India (MII) product mentioned in order. Document link as follows:
https://dpiit.gov.in/sites/default/files/publicProcurement_MakeinIndia_15June2017.pdf

NATIONAL SCIENCE CENTRE
(A Unit of National Council of Science Museums)
Bhairon Road, Near Gate No.4, Pragati Maidan,
New Delhi - 110 001

TENDER No.: NSCD/18011/E-Tender- 16 /2025-26

DECLARATION-I

This is to certify that I/We have no close relative as an employee of the National Council of Science Museums (close relatives means: Father, Mother, Brother, Sister, Son, Daughter and Spouse) nor any such close relatives are associated with us as proprietor/partner/shareholder/ director and like.

Signature of the tenderer

Address:

Official seal with date

DECLARATION-II

We, do hereby accept the “Scope of Work”, General Terms and Conditions as provided by the National Science Centre, Delhi along with tender documents for “**Supply, Installation, Testing and Commissioning of digital cyclorama & other digital installations in pre-historic life gallery at National Science Centre, Delhi**” and also under take to execute the work within the stipulated time strictly as per the Scope of work and Technical Specifications of National Science Centre, Delhi, in the event of placement of any order on us. The NSCD shall be at liberty to cancel the order in full or part, in the event of failure of the above declaration made by us at our cost.

Signature of the tenderer / Constituted Attorney

(With date and Official Seal)

Declaration on Registration as MSME

DECLARATION ON REGISTRATION AS MSME

(Following declaration to be provided by the Bidder on the Company letterhead)

This is to certify that our Company (Name of the Company) located at (Address of the Company) has registered as MSME. The details of registration are provided below:

Sl. No.	Particulars	Details
1	Vendor Code	
2	Name of the Vendor / Company	
3	Date of incorporation	
4	Udyog Aadhaar Number	
5	GST Number	
6	PAN Number	
7	Type of Enterprise	Micro / Small / Medium
8	Major Activity	
9	Type of Organization	Proprietary / Hindu Undivided Family / Partnership / Co-operative / Private Limited Company / Public Limited Company / Self Help Group / Limited Liability Partnership / Society / Trust / Non-MSME (not a MSME)
10	Have your investment in plant and machinery crossed the prescribed limits of MSME Act	Yes / No Value (for MSME only):
11	Copy of Udyog Aadhaar	Yes / No (for MSME only):
12	Annual ceiling amount upto which they can take contract under MSME	
13	Value of orders already at hand as on date of application	

I / we undertake to keep the National Science Centre, Delhi informed if at any point in future, we cease to become MSME vendor or change in category as per the extant rules and such disclosures is entirely our responsibility. Until then, the company does not hold NSCD as responsible for any issues related to MSME

Date:

Signature of Authorized
Person with Company Seal

NATIONAL SCIENCE CENTRE
(A Unit of National Council of Science Museums)
Bhairon Road, Near Gate No. 4, Pragati Maidan,
New Delhi-110001

TENDER No.: NSCD/18011/E-Tender – 16 /2025-26

TECHNICAL (Techno-Commercial) BID

Notes: ALL PARTICULARS / INFORMATIONS SHOULD BE GIVEN IN THE FOLLOWING FORMAT WITH COMPLETE DETAILS.

1	Name & Address of the Firm/Bidder :	
2	Telephone Number :	
	Office :	
	Office at Delhi/NCR :	
3	(i) Background details of the firm : (State whether original manufacturer/ direct Dealer of the manufacturer).	
	(ii) In case of direct dealers, submit copy of valid Dealership license issued by the manufacturer.	
4	State the Name of the Banker including IFSC Code and Account Number of the Tenderer for releasing Digital mode of payment.	
5	Past experience in such business for last 3 years giving details of established clients especially Government Offices. Submit satisfactory certificate issued by such clients and Government Offices.	
6	Whether capable to execute the tendered item Strictly as per enclosed technical specification. (Please mention “YES” or “NO”	
	(i) If it is mentioned “NO” above, submit detailed deviation to be made from the enclosed technical specification. (Extra sheet may be attached, if required)	
	(ii) If it is mentioned “YES” above submit copies of product brochure (for product categories) as a proof of their statement.	
7	State the Name & Address of the Manufacturer whose product has been offered /quoted by the Tenderer.	
8	Proof of financial status of the company/audited Balance Sheet for last 3 years indicating total turnover as well (Submit documentary evidence.)	

9	Whether agreed to accept 30 days credit Payment Terms (Please mention “Yes” or “NO”)	
10	Minimum time required to complete the tendered item at NSC, Delhi	
11	Mention GST Registration Number and attach Current valid Tax Clearance Certificate	
12	Whether agreed to supply tendered items as per enclosed Specification (Annexure-E) positively by 30 days and failing which ready to absorb heavy penalty, if any order is placed on the bidder after observing tender procedure. (Please mention “YES” or “NO”)	

I/We hereby declare that the above statements are true. I/We also declare that the decision of National Science Centre, Delhi regarding selection of eligible firms for opening of Financial Bid (Part-II) shall be final and binding on me/us.

Dated

Official Seal

Signature of the Tenderer/Constituted Attorney

SCOPE OF WORK**Conceptualization, Design, and Development of Video content & Interactive Multimedia Interfaces with three years onsite warranty for “Pre-Historic Gallery” at National Science Centre, Delhi as per the following details:**

All multimedia presentations will be developed using Unity, Python, Visual Studio (C#), Adobe AIR, Adobe Animate, along with additional technologies such as HTML5, jQuery, video editing tools, and sound editing & mastering tools, as required for the creation of digital artifacts. The multimedia software will take inputs from the touch screen or camera and deliver pre-stored interactive content to the user. The presentation will incorporate animation, graphics, text, and audio to enhance the user experience. The development of all these elements will be under the scope of the developer.

The multimedia presentations (as listed in below) will be designed to run on a Windows-operated computer with a touchscreen/ display as well as with integrated with specialized electronic hardware. The system will have a minimum of 8GB/16 GB RAM and at least 1TB of allocated storage for multimedia content. The essential specifications of hardware required for each exhibit is given below and shall be supplied by the bidder along with the software with complete integration and testing. The developer will be responsible for delivering the executable software with all source code and graphics.

All artworks, graphics, and design elements used in the software will be included within the scope of work. Additionally, appropriate music, sound effects, and Foley audio will be incorporated to enhance the multimedia experience.

The bidder (agency/ individual/ consortium) must provide a comprehensive quotation covering the costs of development and production of multimedia/ video content, supply of associated hardware and other necessary accessories and software required for SITC of exhibits. The scope of work includes:

General details of multimedia Software’s & Film content:

Language of the multimedia/ video presentation	Bilingual (Hindi and English)	
Story board for the multimedia and video content	A brief story-line will be provided and bidder/ agency needs to prepare a story board by their own for each multimedia/ video content.	Approval to be taken in all step
Voice-over	Needs to be used where it is necessary (to be specified by NSCD)	Needs to be used where it is necessary (to be specified by NSCD)
Script for Voice-Over	To be prepared by the bidder/agency	Approval to be taken in all the step
Hindi Translation	To be done by the bidder/agency	Approval must be taken before finalization

Technical specifications of the multimedia:

Development Platforms and Compilation Software(s)	The project can be developed in Unity, Python and Visual studio, Adobe AIR, adobe Animate etc. using animation, image, video and audio, which serve all functionalities. If necessary, any other suitable technique may be used for better results.
Programming Languages to be used	Action Script 3, Python, C# (if necessary, the bidder can/will customize as per the requirement)
Final compilation	*.exe or any other extension as applicable (with all resources, if possible, text and graphics/video etc. may be loaded through an external *.xml)
Source file	To be supplied to the NSCD (order will not be accepted without source file and source codes)
Graphics	All artworks, graphics, and design elements used in the software will be included within the scope of work are free from copyright violations.
Delivery Date	75 days from placement of LoI.
Delivery	All the finished products to be delivered to National Science Centre Delhi (in a Pen-drive or HDD etc.)
Copyrights	All the software and graphics should have exclusive right of NSCD. The distribution of the software needs the consent in writing from NSCD

Note: The Bidder needs to submit his own design and plan for the said individual work.

Brief and tentative story-line (**see section Story line and Interfaces below**) and interface details for all multimedia is attached here with for a better understanding of the work. Interactive Multimedia for touch screen kiosk and other modes of presentations (such as Multimedia Presentation, Interactive camera-based multimedia etc.) are to be designed on the following subjects and title (as per section *Story Line and Interfaces Details*):

All copyright free artworks and graphics used in the software are included within the scope of work. Necessary music, voice over and other Foley audio will be used. Any violation in copyright or any other IPR related matter will be the responsibility of the bidder.

Story Line and Interface Details

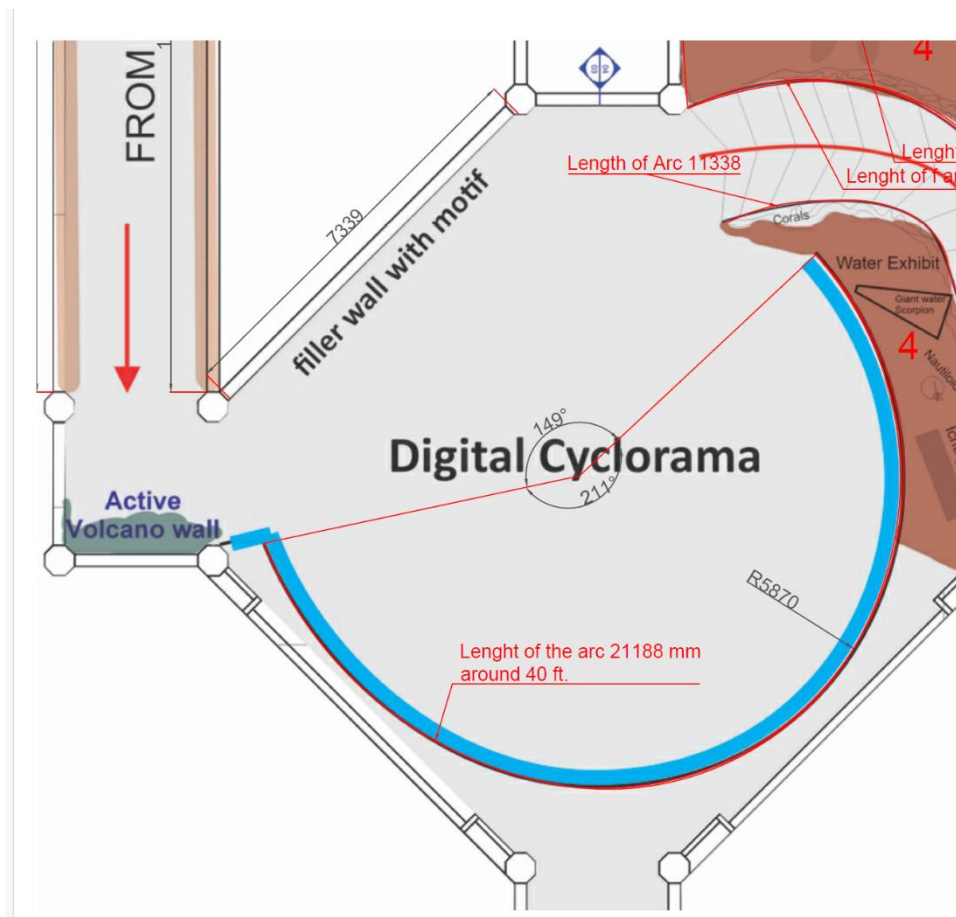
Sl. No.	Title of the multimedia/ video content	Brief Description	Remarks (in any)
1	Digital Cyclorama: 270-Degree Projection Mapping	<p>Video Duration: 8 minutes</p> <p>Display Type: SITC of 270-degree projection mapping using five (5) DLP High Lumen projectors</p> <p>Visual Style: 4K/QHD video content with animation, smooth transitions, minimalist text overlays for seamless projection wall.</p> <p>Projection Setup Overview:</p> <p>a. SITC of laser projectors of given specifications in Annexure-E1 with manual/automatic adjustment for calibration with edge blending and alignment on the given 270-degree surface.</p>	<p>The video should be made considering the resolution and the setup for 270-degree immersive projection wall. It will be in format of 4K/QHD with customized aspect ratio resolution</p>

		<p>b. SITC of projection calibration and alignment module including hardware and software with hardware warranty and lifetime license validity of mapping software.</p> <p>c. SITC of Workstation/ media server of given specifications which shall be used with projectors for 270-degree projection mapping.</p> <p>d. SITC of 5.1 surround sound system with speakers for the exhibit namely “Digital Cyclorama”.</p> <p>Brief description of film content:</p> <ul style="list-style-type: none"> • The early earth was torn by volcanoes, sweeping up molten rock and gases from its core. UV rays and Thunder storms raged for thousands of years. Showers of meteorites and rock debris from outer space bombarded the sterile earth. There was no oxygen, only a mixture of gases. • Hot rains fell to form the first ocean. Life has started in the early ocean, evolving from a sort of hot primordial soup. The water was home to a vast range of creatures for hundreds of millions of years before many-celled animals appeared on land. (Variety of creatures that evolved in the seas- sponges, corals, jelly fish, giant sea scorpion). • Life takes to the land – first worms then giant insects, followed plants colonized the land. Long before the vertebrates emerged from the water, the ancestors of today’s insects and spiders ventured on to the land. About 350 million years ago the first four legged animals, the amphibians, began to move clumsily on land. The cold blooded reptiles followed, living and breeding on land. • As the world’s continents moved, new land masses formed. As the physical structure of the earth changes, plants and animals evolve to colonize the new environment, those which fail to adapt died out. 	
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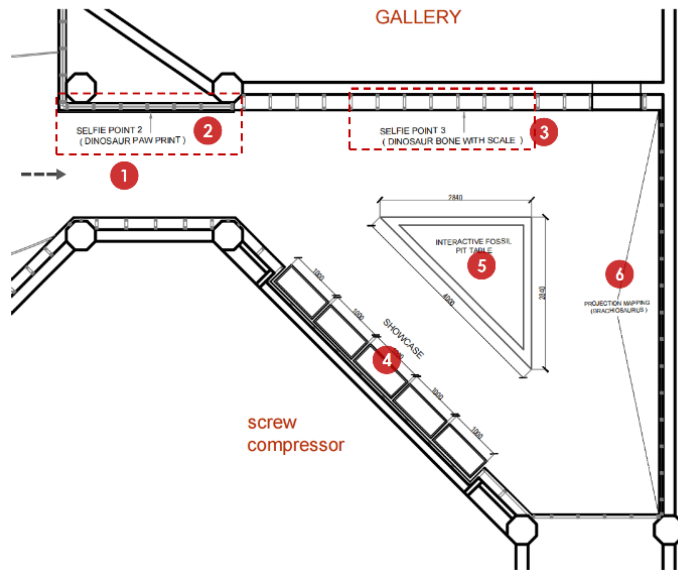
		<ul style="list-style-type: none"> • Proterozoic – simple, soft bodied (2,500 MYA to 540 MYA) • Paleozoic- for its giant insects and armoured fish (540 MYA to 252 MYA) • Mesozoic- when dinosaurs ruled (252 to 66 MYA) • Coenozoic- the age of mammals (66 to 0 MYA) • Depiction of 5 major mass extinction events in Earth’s history. It took a long time to recover from each extinction. • Proposed film will convey the message of ‘fragile nature of ecosystem’. • Hot House to Ice House (depiction of Ice age) 	
2	Digital Brachiosaurus	<p>Concept Overview: This interactive multimedia exhibit explores the pre-historic era of Dinosaurs. The exhibit is designed to have dual display having a 32-inch touchscreen and DPL projector. The touchscreen monitor shall display various dinosaurs in outlined shape. The visitor select one Dinosaur and shall be able to fill colour into it. After colouring the visitors throw the dinosaur towards the projection screen and the same appears on the projection wall moving along with Brachiosaurus in the forest.</p> <p>The software is designed for immersive learning, it highlights both scientific knowledge and cultural significance of the dinosaurs.</p> <p>Multimedia Interactive: Clickable animated 3D models of dinosaurs (10 nos.) with color palette to fill the color in selected dinosaur.</p> <p>Projection Setup Overview:</p> <ul style="list-style-type: none"> • SITC of Projector, computer system and touchscreen monitor as per the given specifications in Annexure-E2. • Dual display setup having one touchscreen monitor and one projector. • The multimedia content is being played on both displays but the interactivity shall happen with touchscreen monitor only. 	Graphics / Text/ 3D Animation/ Interactivity should be there

3	Fly with Pterosaurs	<p>Concept Overview: This interactive multimedia exhibit explores the controlled flying movements of Pterosaurs along with visitor standing in front of the exhibit</p> <p>The software is designed for immersive learning, it highlights both scientific knowledge and cultural significance of the dinosaurs.</p> <p>Multimedia Interactive: Clickable animated 3D models of dinosaurs (10 nos.) with color palette to fill the color in selected dinosaur.</p> <p>Projection Setup Overview:</p> <ul style="list-style-type: none"> • SITC of Projector, Computer system and depth camera as per the given specifications in Annexure-E3. • The projected wall shows the animated 3D model of flying dinosaur “Pterosaurs”. As soon as the camera captures the flying gesture of the visitor standing in front of the camera, the dinosaur starts flying similar to visitor. 	Graphics / Text/ 3D Animation/ Interactivity should be there
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Sample layout and view of exhibit no. 1- Digital Cyclorama: 270-Degree Projection Mapping



Sample layout and view of exhibit no. 2- Digital Brachiosaurus



Sample layout and view of exhibit no. 3- Fly with Pterosaurs



- a. Maintenance and support for all projectors, computer & sound system to address any issues. The agency must have a 24x7 helpdesk number to ensure smooth redressal of complaint within 24 hours.
- b. Training must be arranged for technical persons of NSC, Delhi for 2-3 days to explain complete installation. Agency must also submit a copy of installation manual in both hard and soft copies (1 set).

- c. Preventive maintenance of the projection system shall be carried out by the bidder on quarterly basis during the defect liability period.
- d. If any measures shall be considered while designing for safety of people and equipment. The selected bidder shall remain responsible for closely monitoring the work at site to ensure that desired quality of work is executed.

Note:

The selected bidder will provide design, drawings, details and complete specifications for electrical, sound system installation, steel structure for installation of projectors array as described earlier.

All safety precautions and compliance of statutory obligations shall be taken care of by the selected bidder during execution of the entire project at site.

Client's responsibilities:

- Providing accessibility and permission to work inside the Centre.
- Providing electrical power & uninterrupted power for all the equipment.
- Providing lockable space for storage of materials by the selected vendor.

Technical Specifications of the major component of various exhibit installations

S.No.	Item Description	Preferred Make	Specification	Qty
A	Exhibit 1: SITC of Digital Cyclorama: 270-degree projection mapping			
1	Projection System	Christie, Panasonic, Sony, BenQ or equivalent approved	<p>Specifications: An array of 5 (five) projectors and allied systems with the requisite overlap and edge blending is to be provided along with suitable geometry correction for the 270-degree screen to provide a seamless display.</p> <p>The brightness of the projected image across the surface must be the same and be of at least 100 Lux when using 4K UHD resolution. The number of frames per second displayed must be of minimum 60 fps.</p> <p>The projection system must be connected to the main computer located in the nearby exhibit area.</p> <p>Selected bidder will fabricate and install the projector mounting structure at site as per the design, details, drawings and specifications provided by the bidder.</p> <p>The bidder must visit the site before submission of tender and identify the most suitable place in the building for keeping the Image Generator Server, projectors, Audio racks and other necessary units and routing of the cables needed to connect all constituent components of the system.</p> <p>Projector: The projection system must consist of 5 digital projector. Each projector should have 3840 x 2400 pixels resolution. The light source should be laser phosphor. The lifetime of the light source should be at least 20,000 hours.</p> <p>The projector should be DLP with Dynamic Contrast (on/off) of the projector must be at least 25000:1. The projector should also be 3D Ready and for future expansion of facility to view film content in 3D with active glasses.</p> <p>The brightness of the projector must be at least 6,000 ANSI lumens.</p> <p>If the projectors require additional cooling or air supply, it must be integrated with the installation.</p>	1 Set

2	Workstation/ Media Server and Playback system	Dell / HP/ Asus	<p>Image Generator server/s complete with industrial grade component-</p> <p>A suitable solution shall be ensured to drive the required projector array with the specifications given below. Image Generator server shall drive all five projectors connected through fibre optic/ HDMI cables.</p> <p>Processor (CPU): CPU: 12th / 13th Generation Intel Core i9 Processor with 16 Cores (3.20 GHz to 5.20 GHz)</p> <p>Graphics card (GPU): NVIDIA Quadro T1000 8GB DDR6 or equivalent – 2 nos.</p> <p>Memory (RAM): 16 GB DDR5 SDRAM or higher</p> <p>Storage: 1TB SSD M.2 PCI / NVMe</p> <p>Operating System: Licensed Windows 11 Pro OS with all necessary drivers</p> <p>Product Certifications: Microsoft Windows Hardware Compatibility Program, BIS, CE/FCC Class ‘B’, Energy Star 5.0 or more, Fire Protection Certificate, Environment Friendly.</p> <p>Additional Parameters: OEM should have service center in Delhi/NCR Bidder must have authorized distribution/ reseller/ dealership certificate valid for current year.</p> <p>Other requirements: * Should drive projector/s for 270-degree projection. * Should provide synchronization between images/videos projected onto the surface for a seamless image/ video without any tearing. * <i>Additional SSD and RAMs may be configured to meet the overall specifications, if necessary.</i></p>	1 No.
3	Calibration and alignment		<p>For 270-degree Projection System with five projectors, manual adjustments for calibration and alignment are not feasible and hence automatic features are required to maintain calibration and alignment as per table below.</p> <p>Auto alignment and calibration Software, hardware and camera-based mechanisms to be included in order to ensure error free edge blending / geometric correction on screen as well as to maintain uniform colour and contrast on projectors and dome screen.</p> <p>Auto alignment, auto edge blending and correction system shall be available in the system through GUI.</p>	1 Set

4	5.1 Surround Sound System	Harman/ D&B/ L- Acoustics/ Bose/ JBL/ AKG/ Yamaha	<p>A 5.1 surround audio system shall be an integrated part of the overall system. The system must consist of following speaker & subwoofer system:</p> <p>Speakers Left/ Center Right – 3 Nos.</p> <ul style="list-style-type: none"> a) Type: 3-way speaker b) Frequency response (± 3 dB): 50 Hz - 18 kHz c) Dispersion: 90° x 50° (-30/+20° up/down) d) Power: 460W passive e) Max SPL pressure: 134 dB, @ 1 m f) Crossover: Bi-amp (LF+MF/HF) or passive g) Sensitivity @ 1 m: 98 dB h) Nominal impedance: 4 ohms passive <p>Speakers for the Surround Channel- 1 No.</p> <ul style="list-style-type: none"> a) Type: 2-way speaker b) Frequency response: (± 3 dB): 55Hz - 18 kHz c) Dispersion: 90° x 110° d) Power: 260W e) Max SPL pressure: 125 dB, @ 1 m f) Sensitivity @ 1 m: 92 dB g) Nominal impedance: 8 ohms <p>Audio Processor- 1 No.</p> <ul style="list-style-type: none"> a) DSP, EQ b) Built-in crossover, can convert up to 7.1 audio channels into passive, bi- or tri-amp. c) Speaker management d) Interactive graphical interface that provides the processor with a 1/3 octave graphic equalizer, LCD screen and volume button accessible on the front panel e) System fault detection f) Analog input connector to accept 8 channels of signals from external sources. g) 8-channel analog output h) Redundant output to directly distribute audio signals during a power outage. i) Microphone input with gain level adjustment j) LAN connection via RJ45 connector k) Frequency response 20 Hz -20K Hz, ref 1KHz +/-1dB l) THD + N <0.01%, 20 Hz - 20 kHz m) Dynamic range >102 dB 	1 Set
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B	Exhibit 2: SITC of “Digital Brachiosaurus”			
	Projector	Christie, Panasonic, Sony, BenQ or equivalent approved	<p>Projector: The projection system must consist of 1 digital projector. Projector should have 3840 x 2400 pixels resolution. The light source should be laser phosphor. The lifetime of the light source should be at least 20,000 hours.</p> <p>The projector should be DLP with Dynamic Contrast (on/off) of the projector must be at least 25000:1. The projector should also be 3D Ready and for future expansion of facility to view film content in 3D with active glasses.</p> <p>The brightness of the projector must be at least 6,000 ANSI lumens.</p> <p>If the projectors require additional cooling or air supply, it must be integrated with the installation.</p>	1 No.
	Computer workstation	Dell/ HP/ Asus	<p>Processor (CPU): CPU: 12th / 13th Generation Intel Core i9 Processor with 16 Cores (3.20 GHz to 5.20 GHz)</p> <p>Graphics card (GPU): NVIDIA Quadro T1000 8GB DDR6 or equivalent</p> <p>Memory (RAM): 16 GB DDR5 SDRAM or higher</p> <p>Storage: 1TB SSD M.2 PCI / NVMe</p> <p>Operating System: Licensed Windows 11 Pro OS with all necessary drivers</p> <p>Product Certifications: Microsoft Windows Hardware Compatibility Program, BIS, CE/FCC Class ‘B’, Energy Star 5.0 or more, Fire Protection Certificate, Environment Friendly.</p> <p>Additional Parameters: OEM should have service center in Delhi/NCR Bidder must have authorized distribution/ reseller/ dealership certificate valid for current year.</p>	1 No.
	Touchscreen Monitor	Palas or equivalent approved	<p>Screen Size: 32-inch FHD Connectivity: HDMI/DP Aspect ratio: 16:9 Brightness (nits): 250 cd/m2 Response time: 4-5 ms Touch Interface: Capacitive (finger touch) Toughened glass: Toughened glass provided</p>	1 No.

C	Exhibit 3: SITC of “Fly with Pterosaurs”																			
	Projector	Christie, Panasonic, Sony, BenQ or equivalent approved	<p>The projection system must consist of 1 digital projector. Projector should have 3840 x 2400 pixels resolution. The light source should be laser phosphor. The lifetime of the light source should be at least 20,000 hours.</p> <p>The projector should be DLP with Dynamic Contrast (on/off) of the projector must be at least 25000:1. The projector should also be 3D Ready and for future expansion of facility to view film content in 3D with active glasses.</p> <p>The brightness of the projector must be at least 6,000 ANSI lumens.</p> <p>If the projectors require additional cooling or air supply, it must be integrated with the installation.</p>	1 No.																
	Computer Workstation	Dell/ HP/ Asus	<p>Processor (CPU): CPU: 12th/13th Generation Intel Core i9 Processor with 16 Cores (3.20 GHz to 5.20 GHz)</p> <p>Graphics card (GPU): NVIDIA Quadro T1000 8GB DDR6 or equivalent</p> <p>Memory (RAM): 16 GB DDR5 SDRAM or higher</p> <p>Storage: 1TB SSD M.2 PCI / NVMe</p> <p>Operating System: Licensed Windows 11 Pro OS with all necessary drivers</p> <p>Product Certifications: Microsoft Windows Hardware Compatibility Program, BIS, CE/FCC Class ‘B’, Energy Star 5.0 or more, Fire Protection Certificate, Environment Friendly.</p> <p>Additional Parameters: OEM should have service center in Delhi/NCR Bidder must have authorized distribution/ reseller/ dealership certificate valid for current year.</p>	1 No.																
	Camera	Lumens, Logitech	<table border="1"> <tbody> <tr> <td>PTZ</td> <td>Yes</td> </tr> <tr> <td>Opticle Zoom</td> <td>12X</td> </tr> <tr> <td>Digital Zoom</td> <td>12X</td> </tr> <tr> <td>Panning angle</td> <td>+170°~-170°</td> </tr> <tr> <td>Tilting angle</td> <td>+90°~-30°</td> </tr> <tr> <td>Aperture</td> <td>F1.6~F2.8</td> </tr> <tr> <td>Focal Length</td> <td>3.9mm~46.8mm</td> </tr> <tr> <td>Video format</td> <td>1080p: 60 / 50 / 30 / 25</td> </tr> </tbody> </table>	PTZ	Yes	Opticle Zoom	12X	Digital Zoom	12X	Panning angle	+170°~-170°	Tilting angle	+90°~-30°	Aperture	F1.6~F2.8	Focal Length	3.9mm~46.8mm	Video format	1080p: 60 / 50 / 30 / 25	1 No.
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Video format	1080p: 60 / 50 / 30 / 25																			

				720p : 60 / 50 / 30 / 25	
			Video Output	i. HDMI ii. Ethernet iii. USB 3.0 iv. 3G-SDI	
			Field Of View	72.5° (H) 40.8° (V) 83.2° (D)	
			Preset Position	Minimum 3	
			Remote	Yes	
			Compatibility	Skype, Zoom, Google Meet, etc	
			OS Compatibility	Windows 11, macOS	
			Image Flip	Mirror/ Flip	

ALL OTHER IMPORTANT COMPONENTS FOR THE ABOVE THREE EXHIBITS

	Equipment Rack		Supply, installation, testing and Commissioning of suitable rack for keeping the equipment in the gallery space	3 Nos.
	Cables & Connectors		<ul style="list-style-type: none"> Supply and laying of all necessary power cable and connector of ISI approved reputed brand. Supply and laying of all necessary signal/control cable and connector of ISI approved reputed brand. Supply and laying of all necessary Audio cable and connector of ISI approved reputed brand. 	3 Jobs
	Miscellaneous		Supply and fixing of all Electrical and Signal accessories concealed in suitable conduit (No open wire should be visible)	1 Job
	Warranty		The entire setup including projector/s, server/s, audio system, etc. shall have warranty of three years from the date of acceptance certificate by NSCD.	1 Job

BANK DETAILS OF NATIONAL SCIENCE CENTRE, DELHI

Name of the Account Holder	NATIONAL SCIENCE CENTRE, DELHI
Account No.	2417101004100
Bank Name	CANARA BANK
Bank Address	6, Bhagwan Das Road, New Delhi
IFSC Code	CNRB0002417
MICR Code	110015045
Type of Account	Saving Account
Branch Code	2417
GST No.	07AAAAN2541C1Z5

BILLS OF QUANTITIES (BOQ)

Tendering Authority: <Director, National Science Centre, Delhi>

Name of the Work: **SUPPLY, INSTALLATION, TESTING AND COMMISSIONING OF DIGITAL CYCLORAMA & OTHER DIGITAL INSTALLATIONS IN PRE-HISTORIC LIFE GALLERY AT NATIONAL SCIENCE CENTRE, DELHI**

Contract No. <NSCD/18011/E-Tender-16/2025-26

Name of the Bidder/ bidding firm:							
S. No.	Item Description	Qty.	Basic Rate in fig.	GST %	Total Amt. without GST	Total Amt. with GST	Total Amount in word
1	Exhibit 1: SITC of Digital Cyclorama: 270-degree projection mapping with bilingual digital film content	01 Job					
2	SITC of “Digital Brachiosaurus” exhibit with bilingual multimedia content	01 Job					
3	Exhibit 3: SITC of “Fly with Pterosaurs” exhibit with bilingual multimedia content	01 Job					
Total in Figures					0.00	0.00	INR Zero Only
Quoted Rate in Words					INR Zero Only		

Tender No.: NSCD/18011/E-Tender – 16 / 2025 – 26**COST BREAKUP SHEET**

Original cost break up sheet to be provided separately which should be filled and uploaded as cover II of Financial Bid

Name of the Bidder/bidding firm:

.....

Price Schedule							
Sl. No.	Item Description	Qty.	Basic Rate in fig.	GST%	Total Amt. without GST	Total Amt. with GST	Total Amount in word
1	Exhibit 1: SITC of Digital Cyclorama: 270-degree projection mapping with bilingual digital film content (Excluding hardware)	01 Job					
2	SITC of “Digital Brachiosaurus” exhibit with bilingual multimedia content (Excluding hardware)	01 job					
3	Exhibit 3: SITC of “Fly with Pterosaurs” exhibit with bilingual multimedia content (Excluding hardware)	01 Job					
4	DLP Projector	7 Nos.					
5	Computer Workstation	3 Nos.					
6	Calibration and Alignment software	1 No.					
7	5.1 Surround Sound System	1 No.					
8	32-inch Touchscreen Monitor	1 No.					
9	PTZ USB Camera	1 No.					
10	Equipment Rack	3 Nos.					
11	Cables & Connectors	3 Job					
12	Miscellaneous	1 Set					
13	Bilingual Video Content	1 Job					
14	Bilingual Multimedia- Digital Brachiosaurus	1 Job					
15	Bilingual Multimedia: Fly with Pterosaurs	1 Job					

FORMAT FOR ARTICLES OF AGREEMENT

ARTICLES OF AGREEMENT made at

.....
 (Place) this..... day
 of (Date) (Month & Year) between the

..... National Science
 Centre, Delhi, hereinafter referred to as the NSC, DELHI which expression shall include its
 successors and assigns on the one part and

..... (Name of the
 successful bidder) trading in the name and style of

.....
 . (Name and complete address of the successful bidder) hereinafter referred to as the Agency, which
 expression shall include his/their respective heirs, executors, administrators and assigns on the other
 part. WHEREAS the NSC, DELHI is desirous of getting the work of
 done and has caused (Name of the work)
 Notice Inviting E-tender (Including appendix), drawings, schedule of quantities and specifications
 describing the work and conditions of contract to be prepared
 by.....

AND WHEREAS the said NIT (including appendix) drawings as per list attached, specifications
 and the priced schedule of quantities and conditions of contract have been signed by or on behalf of
 the parties hereto. AND whereas the Successful bidder has deposited in Bank Draft/Pay Order/
 NEFT/RTGS..... (Exact amount in words) the
 amount being 10% of the ordered value of the e-tender) with National Science Centre, Delhi as
 Security Deposit for the due performance of this Agreement as provided in the said conditions.

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

1. In consideration of the payments to be made to him as hereinafter provided the successful bidder shall upon and subject to the conditions herein contained execute and complete the work within 75 days from the date of issue of letter of intent/ Work Order (as defined in the scope of work (ANNEXURE – E) of the NIT and as per the said drawings and such further detailed drawings as may be furnished to him from time to time and described in the said specifications and the said priced schedule of quantities along with the progress of the building work.
2. National Science Centre, Delhi shall pay to the successful bidder such sum as shall become payable hereunder at the time and in the manner specified in the said conditions.
3. Time is the essence of this agreement and the successful bidder shall proceed with the work, throughout the stipulated period of this contract, strictly according to the CPM/PERT/BAR CHART attached herewith and forming a part of this agreement. At any stage during execution, if any work lags behind the target as indicated in the CPM/PERT/BAR CHART for reasons directly attributable to the successful bidder, he shall pay or allow National Science Centre, Delhi to deduct from any money due to him a liquidated damage as per Penalty Clause 14(iv) of the General Terms and Conditions of contract.
4. This agreement comprises the work above and all subsidiary works connected therewith, even though such works may not be shown on the drawings, or described in the said specifications or the priced Schedule of Quantities.

5. National Science Centre, Delhi reserves to itself the right 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.

The General Terms and Conditions, Scope of Work (ANNEXURE – E), Bill of Quantities etc. that are part of the tender document for this work will form an integral part of this agreement.

6. All disputes and differences of any kind whatever, arising out of or in connection with the contract on the carrying out of works (Whether during the progress of the work or after their completion and whether before or after the determination, abandonment or breach of the 42 contract) shall be referred to arbitration as per Clause 14(xiv) of General Terms and Conditions of contract. In case of any legal dispute, other than the arbitration, the court of jurisdiction shall be at the place written in the first line of this agreement.

The provisions of the Arbitration & Reconciliation Act 1996 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. In witness whereof the parties have set, their respective hands the day, the year, and the place hereinabove written.

**SIGNED, STAMPED AND
DELIVERED for Contractor
WITH SEAL**

**SIGNED, STAMPED AND
DELIVERED for NSC, Delhi
WITH SEAL**

In presence of the following witnesses:

In presence of the following witnesses: (National Science Centre, Delhi)

Signature, Name & Address of Witnesses

Signature, Name & Address of Witnesses

.....

.....

.....

.....

Bid Securing Declaration Form
(To be submitted on Agency's Letter Head)

Date -----

Tender No.NSCD/18011/E-Tender- 16 /2025-26

To

National Science Centre
Near gate No. 4, Pragati Maidan
Bhairon Marg, New Delhi – 110001

I/We. The undersigned, declare that:

I/We undersigned that, according to your conditions, bids must be supported by a Bid Securing Declaration.

I/We accept that I/We may be disqualified from bidding for any contract with you for a period of one year from date of notification if I am/We are in a breach of any obligation under the bid conditions, because I/We

- a) have withdrawn/modified/amended, impairs or derogates from the tender, my/our Bid during the period of bid validity specified in the form of Bid; or
- b) having been notified of the acceptance of our Bid by the purchaser during the period of bid validity (i)fail or refuse to execute the contract, if required, or (ii) fail or refuse to furnish the performance Security, in accordance with the instructions to bidders.

I/We undersigned this Bid Securing Declaration shall cease to be valid if I am/ we are not the successful Bidder, upon the earlier of (i) the receipt of your notification of the name of the successful Bidder; or (ii) thirty days after the expiration of the validity of my /our Bid.

Signed:

(insert signature of person whose name and capacity are shown)

In the capacity of

(insert legal capacity of person signing the Bid Securing Declaration)

Name:

(insert complete name of person signing he Bid Securing Declaration)

Duly authorized to sign the bid for and on behalf of (insert complete name of Bidder)

Dated on-----day of ----- (insert date of signing)

Corporate Seal (where appropriate)

(Note: In case of a Joint Venture, the Bid Securing Declaration must be in the name of all partners to the Joint Venture that submits the bid)

**TENDER ACCEPTANCE LETTER
(To be given on Company Letter Head)**

[Department User may ask for Tender Acceptance Letter instead of asking Signed Tender Document from the Bidders. This is a sample format; User may revise it as per their Tender Conditions]

Date:

To,

Acceptance of Terms & Conditions of Tender.

Tender Reference No:

Name of Work:

Dear Sir,

1. I / We have downloaded / obtained the tender document(s) for the above mentioned ‘ Tender/Work’ from the web site(s) namely:

as per your advertisement, given in the above-mentioned website(s).

2. I / We hereby certify that I / we have read the entire terms and conditions of the tender documents from Page No. _____ to _____ (including all documents like annexure(s), schedule(s), etc .), which form part of the contract agreement and I / we shall abide hereby by the terms / conditions / clauses contained therein.
3. The corrigendum(s) issued from time to time by your department/ organization too has also been taken into consideration, while submitting this acceptance letter.
4. I / We hereby unconditionally accept the tender conditions of above-mentioned tender document(s) / corrigendum(s) in its totality / entirety.
5. I / We do hereby declare that our Firm has not been blacklisted/ debarred by any Govt. Department/Public sector undertaking.
6. I / We certify that all information furnished by our Firm is true & correct and in the event that the information is found to be incorrect/untrue or found violated, then your department/ organization shall without giving any notice or reason therefore or summarily reject the bid or terminate the contract, without prejudice to any other rights or remedy including the forfeiture of the full said earnest money deposit absolutely.

Yours faithfully,

(Signature of the tenderer/ bidder)
With company seal/rubber stamp