नेहरू तारामंडल, दिल्ली में 'खगोल विज्ञान दीर्घा' के लिए इंटरएक्टिव मल्टीमीडिया इंटरफेस के संकल्पना, डिजाइन और विकास हेतु ई-निविदा

E-Tender
for Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium Delhi

Ministry of Culture
Government of India

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

Disclaimer & Disclosures:

National Science Centre, Delhi (NSC, DELHI) has prepared this document to give background information on the captioned job/project to the interested bidders/agencies/contractors. While NSC, DELHI has taken due care in preparation of the information contained herein and believe it to be accurate, NSC, DELHI or any of its authorities or agencies nor any of their respective officers, employees, agents or advisors give any warranty or make any representations, express or implied as to the completeness or accuracy of the information contained in this document or any information which may be provided in association with it.

The information is not intended to be exhaustive. Interested agencies are required to make their own inquiries and respondents will be required to confirm in writing that they have done so and they do not rely only on the information provided by NSC, DELHI in submitting the Tender. The information provided on the basis that it is non–binding on NSC, DELHI or any of its authorities or agencies or any of their respective officers, employees, agents or advisors.

NSC, DELHI reserves the right not to proceed with the Project or to change the configuration of the Project, to alter the timetable reflected in this document or to change the process or procedure to be applied. It also reserves the right to decline to discuss the matter further with any bidder submitting the Tenders.

No contractual obligation on behalf of NSC, DELHI, whatsoever, shall arise from this tender unless & until a formal contract is signed and executed by duly authorized Officers of NSC, DELHI and the bidder in due course after invitation of tenders.

NSC, DELHI may modify any / all of the terms of this tender process giving due notification through the NSC, DELHI's website: https://nscd.gov.in.

NSC, DELHI will not be liable for any costs incurred by the Bidders in the preparation of the tender & its presentation. The preparation of Bidder's proposal will be made without obligation by NSC, DELHI to acquire any of the items included in the Bidder's product, or select any Bidder's proposal, or to discuss the reasons why a particular Bidder's proposal is accepted or rejected.

All information included by the bidders in their proposal will be treated in strict confidence.

National Science Centre
(A Unit of National Council of Science Museums)
Pragati Maidan, Bhairon Road,
New Delhi - 110001

TENDER No. NSCD/18011/E-Tender – 02 / 2025 – 26

NOTICE INVITING E-TENDER

On-line Digitally signed e-tenders under Two Bid System are invited from competent Company/Firm/Agency/Consortium, who satisfy the eligibility criteria enumerated in the Tender Documents for **Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium Delhi** as per the **Scope of Work at Annexure – D and the General Terms & Conditions etc. stipulated below**.

Agencies having proven experience and capability of executing the order in the targeted time may download the Tender Papers from Central Public Procurement Portal (CPPP): http://eprocure.gov.in/eprocure/app or from NSC, DELHI website https://nscd.gov.in as per the following schedule:

1	Bid Document Published Date	23-04-2025 (18:15 PM)
2	Bid document download start date	23-04-2025 (18:30 PM)
3	Pre-bid queries/clarifications start date	24-04-2025 (10:00 AM)
5	Last Date of submission of Pre-Bid Queries / clarifications (No later queries shall be entertained)	28-04-2025 (17:00 PM) at the followingemail id 's: 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.	30-04-2025 (Time : 03.00 PM) Place : National Science Centre, Pragati Maidan, Bhairon Marg, New Delhi – 110001. (Link for Pre-Bid meeting is mentioned below.) https://meet.google.com/kdm-tmsx-kpb
7	Bid Submission Start Date	01-05-2025 (10:00 AM)
8	Bid Submission End Date	14-05-2025 (15:00 PM)
9	Technical (Techno-commercial) Bid Opening	15-05-2025 (15:30 PM)
10	Date and Place of Technical Presentation	To be notified later
11	Financial Bid Opening Date	To be notified later
13	Estimated Cost of Work	₹13,00,000/-

14	Earnest Money Deposit @2.5% of estimate	₹32,500/- (Rupees Thirty Two Thousand Five Hundred only).
15	Period of Completion of Work	50 days

Link for Pre-Bid Meeting: - https://meet.google.com/kdm-tmsx-kpb

Topic: **Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium, New Delhi**

Time: 30-04-2025 (Time : 03.00 PM) India
Join Google Meeting (online)
https://meet.google.com/kdm-tmsx-kpb

Bidders interested to participate through online video conferencing for pre-bid may send their confirmation to Store & Purchase Section, NSC, Delhi through email id **nscdelhi10@gmail.com** and they need to send their contact details and e-mail id to the above-mentioned e-mail address.

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. Offline 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 NSC, Delhi at 03:30 PM on 15-05-2025 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 NSC, Delhi, regarding selection of eligible and qualified vendors / firms for opening the Financial Bid shall be final and binding on the bidders. NSC, Delhi reserves the right to accept or reject any or all tenders in full or part without assigning any reason whatsoever. NSC, Delhi is not bound to accept merely the lowest tender but the technical suitability, capability and superiority of the job shall be of prime consideration for selection of the agency.

Tender document can be downloaded from Central Public Procurement Portal (CPPP) website "http:// eprocure.gov.in / eprocure/ app"

Submission of the Bid: This Tender is an e-Tender and bids are to be submitted through CPP Portal (http://eprocure.gov.in / eprocure/ app) only. Bids submitted in physical forms will be summarily rejected.

Details of EMD, Exemption documents for EMD, submission of tender, etc. are indicated in the tender document.

The online bid both Technical (Techno-Commercial) Bid and Financial bid duly furnished in Cover –I and Cover-II respectively should be uploaded by the due date and time as per the above schedule. The responsibility to ensure the same lies with the bidders.

NSC, Delhi reserves the right to amend / withdraw any of the terms and conditions in the tender documents or to reject any or all bids without giving any notice or assigning any reason. NSC, Delhi also reserves the right to accept or reject any or all tenders in full or part without assigning any reason whatsoever. NSC, Delhi shall also not be bound to accept merely the lowest tender but the technical suitability, capability and superiority of the concept/ technology interface/system etc. shall be of prime consideration for selection of the appropriate set of concept/ technology interface /system collectively considered as a complete solution.

General Information and Instructions

1. The instructions given herein will be strictly binding on the bidders and deviation, if any will make the tender or tenders liable to be considered invalid. Tenders incorporating additional conditions by the bidder 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 instructions 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 ₹32,500/- (Rupees Thirty Two Thousand Five Hundred only) being 2.5% of the estimated cost of the project by way of crossed Demand Draft / Pay Order on any of the commercial banks or payment online by NEFT / RTGS payable in favour of "National Science Centre, Delhi", payable at New Delhi (Bank Details of National Science Centre, Delhi for NEFT/RTGS is given in **Annexure- F.**

    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 agency through which tendered work will be carried out 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 Centre. Earnest Money deposit in respect of the successful bidders will be retained with the NSC, DELHI 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 Centre's specification / Scope of Work at **Annexure – D)** in full or part within the stipulated delivery period of the purchase order, the Earnest Money deposit retained with the NSC, DELHI shall be forfeited forthwith after cancellation of the concerned order. Exemption of EMD is allowed as per prevailing rules.

7. **Validity of Bids:** The Bids should remain valid for 60 (sixty) days from the date of opening of Financial Bids.

8. **Rejection of Bids:** Canvassing by the Bidder(s) in any form, unsolicited letter and post-tender correction may invoke summary rejection. Conditional tenders will be rejected. Noncompliance of applicable General Information and Instructions 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 online e-tender.

10. The Financial Bid (BOQ) shall be filled in and signed by the authorized signatory online as per proforma "(**Annexure – H**)" 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. Tenders must be uploaded on-line in two separate covers - namely Cover – 1 (Technical) and Cover– 2 (Financial) on Central Public Procurement Portal. The contents of Cover shall be as follows:

Cover- 1 (Technical)

S. No.	Description	Yes	No	Remarks
01.	Technical (Techno-Commercial) Bid duly filled-in and signed with official stamp. (As per **Annexure-B (a)** format)			
02	Tender Acceptance Letter as per **Annexure-L**			
03.	General Terms & Conditions (as detailed in **Annexure - B**) duly signed with official stamp as a token of acceptance			
04.	**Annexure G** along with copies of documents showing the last 3 years' financial turnover of the firm.			
05.	Scanned Copy of the current and valid GST return Certificate.			
06.	The 'Declaration' duly signed with official stamp (As detailed in **Annexure-C**)			
07.	Format for Articles of Agreement (As per **Annexure-E**) duly signed with official stamp as a token of acceptance.			
08.	Signed and scanned copies of duly filled in consent letters of all the team members (As per **Annexure – I**)			
09.	EMD Details (Scanned copy of EMD submitted physically to be uploaded). In case Registration as MSME Bid Securing Declaration Form as Per **Annexure-K** to be uploaded along with MSME /NSIC /UDHYAM Registration Certificate and details as per **Annexure-J**.			
10.	Scanned copy of Exemption Documents for EMD or Demand Draft / details of online payment for Earnest Money Deposit of ₹32,500/- (Rupees Thirty Two Thousand Five Hundred only) being 2.5% of the project cost.			

Cover-2 (Financial)

1. **The Financial Bid (Annexure – H) 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.**

2. **Cost Breakup (in .pdf) as per Annexure H (a) .**

The Cover-1, i.e. Technical (Techno-commercial) Bid shall be opened by NSC, Delhi at the first instance and evaluated by the competent authority. At the second stage, the Cover-2 containing Financial Bid of only techno-commercially acceptable offers shall be opened for further evaluation and ranking before awarding the contract.

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.

Order shall be placed in favour of the bidder whose technical bid is acceptable and offered OVERALL lowest rate of item(s) as per BOQ in Annexure – H as mentioned in section PROPOSAL EVALUATION / SELECTION CRITERIA

The authorities of NSC, Delhi who do 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.

C H E C K L I S T

Check list of Tender No.: NSCD/18011/E-TENDER-**02**/2025-26 for *Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium, New Delhi*

S. No.	Description	Yes/ No	Page reference
01.	Whether E-Tender uploaded in Two parts (i.e. Technical & Financial) separately. Please note that one set hard copy of original signed bids		
02.	Whether Tender documents are carefully studied & understood.		
03.	Whether Tender documents duly signed and stamped on all pages is scanned and uploaded as Cover-1 of the Tender in Central Public Procurement Portal		
04.	Whether Earnest Money of ₹32,500.00 (Rupees Thirty Two Thousand Five Hundred only) submitted by online / Demand Draft No. ……………. Dated ……………… or Exemption document for EMD 'In case of Demand Draft, Scanned copy of DD uploaded as Cover-1 of the Tender. Please note that the original DD should be couriered /handed over / delivered to NSC, Delhi. In case of online payment, UTR No. shall be sent to NSC, Delhi before the last date of submission of the tender document.		
05.	Whether Declaration regarding Non-relation, duly signed and stamped, and scanned copy of the same uploaded as Cover-1 of the Tender in central public procurement portal. Annexure – C		
06.	Whether Declaration certifying that there is no extra condition quoted in the Offer Form duly signed and stamped, and scanned copy of the same uploaded as Cover-1 of the Tender in central public procurement portal.		
07.	Whether documents Annexure D "Scope of Work" signed and stamped on all pages are uploaded		
08.	Whether documents Annexure B (a) With Form 1, Form 2, Form 3, Form 4 and Form 5 filled, signed and stamped on all pages are uploaded		
09.	Whether documents Annexure G "format for annual turnover as per the audited accounts" filled, signed and stamped on all pages are uploaded		
10.	Whether documents Annexure I "Format For The Consent Letter From Team Members" filled, signed and stamped on all pages are uploaded		
12.	Whether documents Annexure – J "Declaration on Registration as MSME " filled, signed and stamped on all pages are uploaded		
13.	Whether documents Annexure – K "Bid Securing Declaration Form" filled, signed and stamped on all pages are uploaded		
14.	Whether documents Annexure – L "Tender Acceptance Letter" filled, signed and stamped on all pages are uploaded		

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.

2. 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 have to select the payment option as "offline" to pay the requisite Earnest Money Deposit (EMD) and enter detail of the instrument.

4. 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. **However, concession for submission of EMD shall be applicable to the Tenderers/Bidders registered with NSIC/MSME as per prevailing Govt. guidelines. The Tenderers/Bidders should upload document of the firm for claiming such exemption. Tenderer/Bidder must upload relevant documents if the bidder is registered under NSIC/MSME.**

5. A standard Price Schedule format (BOQ)(Annexure – H) and cost breakup (Annexure – H(a) 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 (**Annexure – H**) file is found to be modified by the bidders, the bid will be rejected.

6.   The server time (which is displayed on the bidders" dashboard) will be considered as the standard time for referring the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7.   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.

8.   The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9.   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.

10.   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 meeting.

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 nscdelhi10@gmail.com   with proper credentials of the bidders before the bid clarification date thereafter no queries will be entertained.

GENERAL TERMS AND CONDITIONS

Title of the Work: *Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium, New Delhi*

Tenders invited under Two-Bid System from competent Company / Firm / Agency / Consortium, who satisfy the eligibility criteria enumerated in the document. For Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium, New Delhi, the tenderers are required to submit the tender in two covers i.e. Cover-I and Cover – II as per the details given in the point 11 of General Information and Instructions.

1. **INTRODUCTION**

National Science Centre Delhi, the northern zone head office of the National Council of Science Museums, Ministry of Culture, Government of India invites offers/ bids from reputed and experienced agencies for undertaking the subject work at Nehru Planetarium, Delhi, PMML as per the laid down specifications and terms of the tender.

2. **BACKGROUND**

The project aims to develop engaging and interactive multimedia content for the Astronomy Gallery. The multimedia interfaces will be designed to enhance visitor engagement, improve scientific understanding, and create immersive learning experiences across various astronomy-related themes. It aims to present the comprehensive narrative of Astronomy in a simple and accessible manner, offering scientific viewpoints that are easy to grasp.
The Estimated Project Cost (EPC) shall be about ₹13,00,000 /- including GST.

NSC, DELHI invites bids for *Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium, New Delhi*

3. **Eligibility Criteria for Applying:**

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

   i. *The bidder could be an Individual, Limited Company/Corporation, Proprietary Firm, Partnership Firm/Company etc. Consortium or Joint Venture are allowed to bid for the Works.*

   ii. *The bidder should have minimum experience of 05 years preceding the proposal due date, in the similar field of works. Experience should be in design and development of interactive multimedia interfaces (standalone data retrieval interfaces having video, audio and music etc.) on Astronomy and Science subjects for Museums, Tourist Centres or any Business Centre etc.*

   iii. *The registered company/firm should have well trained production team, having graphics, VFX Animation Studio etc. (well build-up infrastructure) and the team leader should have a Post Graduate Diploma in Multimedia/film studies etc. or any equivalent degree or diploma from a renowned institution.*

iv. *Firms/Companies should have an average annual financial turnover of ₹15 lakhs over the last three financial years. To calculate this average turnover, the best three years out of the last five financial years will be considered (2019-2020, 2020-2021, 2021-2022, 2022-2023 and 2023-2024). Exception may be considered only for AY 2021-22 (due to Pandemic).*

v. *The Bidder should have the requisite work experience of completing similar projects during the last 5 years preceding the proposal due date as per the details given below:*

(01) One similar work of value not less than **80%** of the estimated cost of work.

or

(02) Two similar works each of value not less than **60%** of estimated cost of work.

or

(03) Three similar works each of value not less than **40%** of estimated cost of work

* *In this document, 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.*

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

vii. A Presentation by the Bidder

A multimedia presentation should contain both a multimedia and an animation film (short duration 30 -60sec.) based on theme in Annexure D 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. Submission of the presentation, along with the sample multimedia and animation film, is mandatory via pen drive, portable media, or Google Drive. The presentation should be structured as per the sections outlined in Table A.

Notes: **Submission of Presentation is mandatory for all qualifying bidder.**

N.B ***Even though the bidders meet the above qualifying criteria, they will be subject to disqualification 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 bidder has to upload the compliance letter on its letterhead duly signed by the authorized signature & other supporting documents as asked for in the bid in scanned format. Failing to submit the same or non-compliance/deviation from any bid terms and conditions, eligibility criteria or technical specifications may result in rejection of the bid.

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:

Sl. No.	Parameter	Criteria	Sub Marks	Total Marks	Marks Obtained
01.	**Credentials of applicant/ agency:**	5 Years - 5 Marks	5	10	

Sl. No.	Parameter	Criteria	Sub Marks	Total Marks	Marks Obtained
	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.	More than 5 years Add +1 mark as bonus for each extra year. Max. bonus marks - 5 marks	5		
02.	**Team** *(Experience and Credentials will be taken into account for giving marks).* *Provide detailed Biodata highlighting their past work* **(Total Max. marks- 10)**	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 Experience between 3 to 5 years – 5 Marks Experience less than 3 years – 0 Marks	10 5 0	15	
		Team members (minimum four members) having average work experience of 3 years or more – 5 marks, Team members (minimum three members) having work experience of less than 3 years but more than 2 years – 3 marks Team members (minimum three	5 3 1		

Sl. No.	Parameter	Criteria	Sub Marks	Total Marks	Marks Obtained
		members) having work experience less than 2 years – 1 mark			
03.	**Financial Soundness:** Firms / Companies should have average annual financial turnover of Rs. 20.00 lakhs during the last 3 financial years (AY 2023-24, 2022-23, and 2021-22) {of Lead Partner in case of consortium} **(Total Max. Marks- 10)**	Turnover of Rs.15.00 lakhs to 25.00 lakhs – 5 marks	5	10	
		Turnover of more than Rs.25.00 lakhs to 35.00 lakhs – Bonus 3 marks	3		
		Turnover of more than 35.00 lakhs - Bonus 2 marks	2		
04.	**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	For completed works having value $\geq 80\%$ of the estimated cost of work - 20 marks for each work (Maximum 20 marks) OR For completed works having value $\geq 60\%$ of estimated cost of work – 20 marks for each work OR For completed works having value $\geq 40\%$ of estimated cost - (Maximum 20 marks)	20	35	

Sl. No.	Parameter	Criteria	Sub Marks	Total Marks	Marks Obtained
	Extra Projects of value >=80%	For completed extra projects having value 80% of estimated cost - 5 marks for each work (Maximum 15 marks)	15		
	Extra Projects of value >=60%	For completed extra projects having value 60% of estimated cost - 4 marks for each work (Maximum 15 marks)			
	Extra Projects of value >=40%	For completed extra projects having value 40% of estimated cost - 3 marks for each work (Maximum 15 marks)			
05.	Technical Work Evaluation (**There will be Technical Presentation. Evaluated by the Technical Expert Committee.**) (**Total Max Marks- 40**)	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 <u>a multimedia and an animation film(short duration 30 -60sec.) based on theme in</u> Annexure D 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*

5. **PRICE**: The rates quoted/indicated shall include cost as per the details specified in **Annexure – D** "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.

6. 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.

7. The successful tenderer shall submit the following documents **within 03(three) 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. 15** of General Terms & Conditions.

8. **TIME OF COMPLETION**: Time is the essence of the tender. The entire work of final system interfaces supply shall be completed in a time bound manner. The entire work shall be completed **within 50 (fifty) days** from the date of placement of Letter of Intent. The tenderer may please note that all the Multimedia interfaces shall have to be completed in the same time frame. Any extension required may only be granted by NSC, Delhi considering the situation and cause only.

9. 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 NSC, Delhi shall either cancel the order or impose penalty as detailed in **Clause 10** below. NSC, Delhi reserves the right to cancel the order and no payment will be made under such conditions. Decision of the NSC, Delhi in this regard shall be final and binding on the successful tenderers.

10. **PENALTY CLAUSE**: The successful Tenderer shall strictly observe the time allowed for carrying out the job as detailed in **Clause No. 8.** 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 NSC, Delhi, 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. 8** (Any extension approved by NSC, Delhi will be considered under the schedule over and above the stipulated time specified), subject to a maximum compensation of 10% of the order value and after that period appropriate action will be taken by the NSC, DELHI, as it will deem fit.

11. The NSC, DELHI 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.

12. **SCOPE OF WORK**: As per **Annexure – D**

13. **PAYMENT TERMS**:
    i)   No advance payment shall be made by the NSC, DELHI before starting the work at site. Full and final Payment shall be released after satisfactory completion of the entire job and within 30 (sixty) days from the date of receipt of Tax Invoice duly supported by received challan and satisfactory inspection/work completion certificate issued by the competent authority of the NSC, DELHI.
    E. Payment shall be released through NEFT/RTGS for which details of bank account shall be mentioned in their bill.

14. **COPYRIGHT**: The brief story-line and script provided to the bidders for quoting their rates and the finally developed Multimedia interfaces will be the sole property of National Science Centre. The successful Tenderer under no circumstances will sell, lease, use, lend or donate the Multimedia interfaces, wholly or partly, to any other client. Also, the images, videos and other material to be used in the Multimedia interfaces should be copyright free.
    In case, the successful Tenderer refuses to accept the offer after finalization or does not comply with the **Clause No. 8** 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.

15. **Security Deposit**: Technically lowest successful tenderer shall deposit 10% of the total amount of work awarded at NSC, Delhi as refundable security deposit in the form of DD / Online transfer 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 bidder one year after the completion of work.

16. 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.8** i.e., the specified time schedule as per the finalized and accepted terms and conditions the NSC, Delhi shall have the rights to either impose Penalty Clause or cancel the order and forfeit the EMD. The decision of the NSC, Delhi in this regard shall be final and binding on the successful Tenderer.

17. 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 specifications **Annexure – D** and directions given by the authorized representatives of the NSC, Delhi. The decision of the NSC, Delhi, as to items of bad quality and proper rectification, will be final and binding on the successful Tenderers.

18. Any ambiguity in the specification / scope of work (**Annexure – D)** is detected; it shall be promptly brought to the notice of the NSC, Delhi for clarifications. The successful tenderer without written approval/permission of the NSC, Delhi shall make no deviation from the approved scope of work.

19. 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.

20. 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. If found otherwise, the order/ agreement will automatically stand cancelled and the EMD will stand forfeited.

21. The authorities of the NSC, Delhi, 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.

22. Income Tax and/or Work Contract Tax or any other tax as applicable shall be deducted at source, if applicable, from each bill/claim of firm as per prevailing Government rules.

23. 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.

24. Bidders must have a valid TIN/PAN/GST Registration number and attach a documentary proof with the Tender.

25. Bidders shall take care of all statutory obligations as are required under the Contract Labour Regulation Act, etc.

26. The offer shall be valid for a minimum period of 3 months from the date of opening of the tender.

27. 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.

28. **Arbitration** : All disputes and differences between the successful tenderer and the NSC, Delhi of any kind, except quality of workmanship and materials, whatever arising out of or in connection with the order on carrying out of 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, National Science Centre, Delhi, whose decision in this regard will be final and binding on both the parties – the successful Tenderer and the NSC, Delhi. 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 this Clause.

29. **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 war, hostilities, revolution, riots, civil commotion, strikes, lockouts, epidemic, explosion, flood, earthquake or because of any law and other proclamation, regulations or ordinance of any government or sub division thereof or because of any act of God or any other cause beyond the control of the concerned party which could not have been foreseen or avoided by the exercise of due diligence and so it becomes impossible to perform, provided notices in writing of any such cases, with necessary evidence to the other party within 72 (seventy-two) hours of the alleged beginning and ending of the cause respectively. If performance under the LOI is suspended by Force Majeure conditions lasting for more than 2 (two) months, either party shall have the option of canceling the LOI, in whole or in part, at its discretion without any liability on its part.

   Time for performance of the relative obligation suspended by Force Majeure shall stand extended by the period for which such cause lasts.

30. **<u>Make in India (MII)</u>**
   The tender abide 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)
Pragati Maidan, Bhairon Road,
New Delhi - 110001

NOTICE INVITING E-TENDER

TENDER No. NSCD/18011/E-Tender-02/2025-26

TECHNICAL (Techno-Commercial) BID

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

TECHNO-CHECKLIST

S. No.	Title Submitted	(Yes / No)
01.	Form – 1: Application Form	
02.	Form – 2: Bidder's Experience	
03.	Form – 3: Sample Cd / Portable Media/Drive Link of Earlier Works	
04.	Form – 4: Details of key personals/ team members	

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

Date: Signature of the Tenderer/ Constituent Attorney
                                                      With Official Seal

FORM – 1

S. No.	Particulars	Details
	Name of Bidder	
	Back ground details of the Bidder Limited Company / Corporation / Agency / Consortium / JV etc.	
	In case of Consortium or JV, Name and Address of the Lead Partner	
	Complete Address for communication (Address with pin code, telephone numbers, fax no and emails)	
	i. Phone /Mobile Number ii. Email Id	
	Legal status of Organization Is it a registered Firm/company? *(If a partnership firm, state the name/s and address (es) of your partners. If company, state the names and addresses of Directors, photocopies of the certificate of registration should be attached)*	Yes/No
	i. PAN Number ii. GST Registration No. iii. Average Financial Turnover of the Firm/ company during last 5 (Five) years *(Please see Annexure – G also)*	
	Brief Description of the Bidder's Activities	Please add extra sheet, if necessary
	Number of years' experience in similar works *(Attached work orders of earlier works with other government departments/autonomous bodies /PSUS and other)*	
	Number of Multimedia design and developed (standalone or server client based) for museums, Science Centres, Science Cities , Experiential Museum etc.	
	Has the Agency/ its sister concern/any director ever been blacklisted/defaulter by any organization? If yes, please provide details thereof	
	Bank details of the Tenderer with IFSC and other details (for releasing payment through digital mode)	
	Whether agreed to accept Payment Terms as per clause 9 of General Terms & Conditions of the Tender. (Please mention 'Yes' or 'NO')	
	Minimum time required to complete the tendered item at NSC, Delhi	
	Whether agreed to complete the work as per scope of work (Annexure-D) positively by 50 days as per clause 4 of the General Terms & Conditions of the Tender (Please mention 'YES' or 'NO')	
	Details of enclosed EMD @ 2.5% of estimated amount is ₹13.00 lakh (Rupees Thirteen Lakh only)	Online Transfer.......................... UTR No…………………………….. DD No .... dated .... drawn on bank........................
	Any other relevant information	

FORM – 2

BIDDER'S EXPERIENCE

1. Brief description of the Bidder's activities related to development of multimedia content interfaces (attach separately) in the last five years

2.

Sl. No.	Name of the Multimedia interface (interactives)	Development Platform	Output format	Organization for which produced	Copy of the work order / documentary proof

3. Agency Experience in similar works in past 5 years (Private/ PPP/ Joint Venture/ Consortium Projects) **Agency must submit the work order and completion certificate for the projects**

S. No.	Name of the Project	Cost of the Order	Name of the Client	Phone of Contact Person of Client	Starting Date of Project	Completion Date of Project	Any other relevant details	Whether work order and completion certificate enclosed

SIGNATURE OF THE BIDDER WITH STAMP

Form – 3

SAMPLE CD / PORTABLE MEDIA/Drive link OF EARLIER WORKS

Sample copy of earlier works (maximum 5 such) developed by the applicant

I/ We enclose a sample works developed by our firm/ agency titled _____ for
_____ _____ in DVD/ portable media (to be delivered physically or
electronically)

1. Name of the Multimedia interface or similar work:

2. Year of production:

3. Brief description (not more than 100 words for each)

4. Awards/ accolades won, if any:

5. Any other information: SIGNATURE OF THE PROPOSER WITH STAMP

SIGNATURE OF THE BIDDER WITH STAMP

Form – 4

KEY PERSONNEL FOR THE PROJECTS APPLIED FOR

1. Name of the Head of the Creative team   :

2. Name of the subject expert(s) related to science subject :

3. Name of the Screen Writer(s) for multimedia :

4. Name of Graphics Developer (s)   :

5. Name of the programmer (s) /system designer :

6. Motion graphics, VFX Animation Studio/Member(s) :

7. Render farm and Sound studio (may be in-house) :

9. Other personals in creative team   :

(Please attach separate sheets in the following format for Sl. no. 1 to 9)

a. Name of the expert:

b. Address:

c. Contact Number:

d. Educational qualifications:

e. No. of year of working experience:

f. Brief background of the Head of the creative team/other experts:

<u>SIGNATURE OF THE BIDDER WITH STAMP</u>

National Science Centre
(A Unit of National Council of Science Museums)
Ministry of Culture, Govt. of India
Pragati Maidan, Bhairon Road, New Delhi - 110001

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/share holder/ director and like.

Signature of the tenderer
(With date and Official Seal)

Address:

DECLARATION-II

We, do hereby accept the General Terms and Conditions as provided by the NSC, Delhi along with tender documents for Conceptualization, Design And Development Of Interactive Multimedia Interfaces For Astronomy Gallery At Nehru Planetarium, New Delhi and also undertake to execute the job strictly as per Scope of Work at **Annexure – D** of NSC, Delhi as provided along with the tender documents. NSC, Delhi shall be at liberty to cancel the order in full or in part and forfeit the Earnest Money Deposit or Security Deposit retained with them in the event of failure of any of the declaration made by us.

Signature of the tenderer / Constituted Attorney (With date and Official Seal)

Scope of Work:

Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium 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 software will take inputs from the touch screen 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 Table A) 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 RAM and at least 1GB of allocated storage for multimedia content. NSCD will provide the required hardware, while 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 development and production of multimedia content, including all associated costs. The scope of work includes:

Language of the Multimedia/ Video presentation	Bi-lingual (English and Hindi)	
Story Board for the Multimedia	A brief story-line will be provided and bidder/agency needs to prepare a story board by their own for each multimedia.	Approval to be taken in all the step
Voice-Over	Needs to be used where it is necessary (to be specified by NSCD)	Approval to be taken
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 Specification 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	50 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 need 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 in Annexure – D**) and interface details for all these Multimedia or mixed media 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 sensor-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 (**Annexure – D**). 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 Interfaces Details

S/N.	Title of the Multimedia	Brief description	Remarks (if any)
		PART - I	

1	Introduction of Universe	**Duration:** 2–3 Minutes
		Display Type: Peephole-Viewed Holographic Video
		Visual Style: Ultra-HD animation, smooth transitions, minimalist text overlays, deep black background for holographic contrast
		
		Narrative Flow & Scene Breakdown:
		1. Opening: Earth in the Cosmic Context
		• The video begins from a satellite-eye view of planet Earth, slowly rotating with atmospheric layers and lights visible on the night side.
		• Text overlay: *"Earth – A Pale Blue Dot in the Cosmic Ocean"*
		• Subtle soundtrack evokes wonder and scale.
		2. Zoom-Out Through the Solar System
		• The camera begins a smooth outward zoom, showing:
		  o Earth's orbit around the Sun
		  o The full Solar System in motion (planets, asteroid belt)
		  o The ecliptic path of the Sun, Moon, and planets
		• Labels and gentle orbit lines guide the viewer.
		3. The Milky Way Galaxy
		• As the Solar System fades into the distance, the Milky Way appears as a grand spiral galaxy.
		• Rotation and spiral arms are animated.
		• Text overlay: *"The Milky Way – One of Billions of Galaxies"*
			The video should be made considering the resolution and the setup for the holographic display. It will be in format of QHD/HD resolution

		4. Cosmic Web & Galaxy Clusters	

		• Zoom continues to galaxy groups, clusters, and the cosmic web structure.
		• Nebulae, quasars, and deep-space phenomena fade in and out.
		5. Time-Lapse of Celestial Motion
		   • Shift to a time-lapse simulation:
		      o Rotation of the Earth
		      o Apparent motion of constellations across the sky
		      o Motion along the celestial sphere and ecliptic
		      o The Moon's phases and planetary alignments briefly overlayed
		   • Faint constellation lines and names fade in as they move.
		6. Star Birth & Stellar Nurseries
		   • A detour into nebulae, showing star formation:
		      o Swirling gas and dust condensing into protostars
		      o Slow flickering of new stars being born
		7. Receding Back Toward Earth
		   • The camera reverses motion: zooms back in through galaxies → solar system → Earth.
		   • As Earth comes into view, the background fades to black, highlighting its delicacy in the cosmic scale.	

2	Our Star - the Sun	**Concept Overview:**
		This interactive multimedia exhibit explores the Sun's structure, dynamic processes, and its profound influence on Earth and space weather, using a combination of engaging visuals, animations, and interactive models. Designed for immersive learning, it highlights both scientific knowledge and cultural significance of the Sun.<hr>**2. Multimedia Content Structure:**
		a. Introduction:
		   • Visual introduction to the Sun as a giant sphere of plasma.
		   • Composition: ~74% hydrogen, ~24% helium and others element.
		   • Importance as the center of the Solar System and the primary energy source for Earth.
		b. Structural Layers of the Sun:
		   • Core: Nuclear fusion generates light and heat.
		   • Radiative Zone: Energy moves outward via radiation.
		   • Convective Zone: Energy transported through convective currents.
		   • Photosphere: Visible surface with sunspots.
		   • Chromosphere: Layer above photosphere with spicules and filaments.
		   • Corona: Outermost layer, source of solar wind and visible in eclipses.
		Interactive Feature:
		A clickable 3D model of the Sun allows users to zoom in on and explore each layer with animated transitions and voice-over explanations.<hr>**c. Solar Activities & Space Weather:**
		   • Sunspots: Magnetic storm regions on the photosphere.
		   • Solar Flares: Intense bursts of radiation.
		   • Prominences: Loops of plasma anchored in sunspots.
		   • Coronal Mass Ejections (CMEs): Massive bursts of solar wind and magnetic fields.
		   • Solar Wind: Stream of charged particles affecting Earth's magnetosphere.
			Graphics /Text/Animation/ Interactivity should be there

3. Scientific Missions on the Sun:
A rotating gallery of global solar missions with interactive cards and real spacecraft imagery:
- Aditya-L1 (India)
- Parker Solar Probe (USA)
- Solar Orbiter (ESA/NASA)
- ACE, SOHO, SDO, Ulysses, and more.

Pop-up windows display mission objectives, launch dates, and discoveries.

4. Multispectral Imaging & Solar Cycles:
- Visual comparisons of the Sun in various wavelengths (e.g., ultraviolet, x-ray, visible).
- Solar cycle simulation (11-year cycle of activity).
- Zoomable maps of solar surface changes over time.

5. Cultural Integration:
To add cultural context, the exhibit incorporates:
- Ancient Indian texts like the Surya Siddhanta.
- Architectural alignments of Sun temples (e.g., Konark).
- Solar festivals such as Makar Sankranti and Chhath Puja.
- Symbolic representations of the Sun in Indian tradition and mythology.

6. User Interaction & Visual Design:
Key Features:
- High-resolution 3D model of the Sun with rotatable layers.
- Interactive timelines and touchpoints for solar events.
- Pop-ups with audio-text for accessibility.
- Dark cosmic-themed UI for contrast and immersion.
- Optional language toggle (multilingual support).

| 3 | Explore the Planets in our Solar system | This multimedia exhibit offers an interactive exploration of the Solar System, showcasing the eight planets with some moons. Each celestial body is presented with engaging graphics, providing information on structure, atmosphere, distance from the Sun, rotation, and revolution.
The system uses sensor-triggered interactivity to create a tangible learning experience—visitors engage with physical models of planets and moon that activate corresponding digital content on screen.

a. Solar System Overview:
• Visual representation of the celestial bodies
• Rotating 3D models of the planets and moons
• Scalable timeline for distances and orbital speeds
b. Planetary Data Panels: Each planet displays:
• Internal structure (core, mantle, crust)
• Atmospheric composition and climate
• Size, mass, gravity, and surface features
• Rotation & revolution animation
• Moons and notable missions (e.g., Voyager, Juno, Perseverance)

Operations: The display will be activated when a data from the sensor module is provided to the multimedia. The multimedia should have provision to trigger the infographic as per the data. A detail will pop when the physical object is placed on a desired sensor position. Either RFID or other sensor module is going to | **Graphics /Text/Animation/ Interactivity should be there** |

4	Meteors, comets, asteroids - Who killed Dinosaurs?	be embedded to identify the celestial bodies. Program should have provision to add the data for comparison or for infographic. The multimedia should have hardware enabled and for testing soft versions.	
		Concept Overview: This interactive multimedia exhibit presents an engaging overview of meteors, comets, and asteroids, emphasizing their composition, size, trajectories, and impact on Earth. The experience integrates 3D models, animations, and real-time simulations to explore cosmic phenomena and the dramatic Chicxulub asteroid event linked to the extinction of dinosaurs. Designed for multitouch displays, the exhibit supports simultaneous interaction by multiple users, encouraging collaborative exploration and learning.	**Graphics /Text/Animation/ Interactivity should be there**

a. Interactive 3D Models:
- High-resolution, rotatable models of:
    - Asteroids (e.g., Itokawa, Bennu)
    - Comets with visible tails (e.g., Halley's Comet)
    - Meteoroids and their fragmentation paths
- Touch-to-compare interface showing differences in:
    - Composition (ice, rock, metal)
    - Size & trajectory
    - Frequency of impact

b. Dinosaur Extinction Scenario:
- Chicxulub Impact Animation featuring:
    - Asteroid entry into Earth's atmosphere
    - Impact event and crater formation
    - Triggered firestorms, mega-tsunamis, and global climate change
    - Infographic on species extinction post-impact
- Time-lapse visuals showing Earth's atmospheric and ecological changes after the event

c. Near-Earth Objects (NEOs) & Planetary Defense:
- Interactive map of tracked NEOs and their predicted paths
- Real-time visualization of potential Earth-impact threats
- Education on planetary defense strategies, such as:
    - Kinetic impactors
    - Gravity tractors
    - Nuclear deflection

d. Fascinating Facts Panel:
- Pop-up windows with engaging trivia and scientific data:
    - Largest known asteroid
    - Speed of meteor entries
    - Ancient impact craters on Earth
    - Space missions to comets/asteroids (e.g., OSIRIS-REx, DART)

User Interaction & Interface:
- Multitouch Design: Supports 2+ users at once for group engagement
- Interactive zones:
    - Object gallery with drag-and-drop comparisons
    - Impact timeline slider
    - Zoomable maps and crater views

Audio-visual integration: Optional narration, ambient space sounds, impact effects.

5	Our Moon	The multimedia exhibit should provide an interactive overview of the Moon's structure, rotation, and revolution, structure, Temperature and atmosphere, gravitational force etc. Visitors can manually rotate the Moon in 3D to view surface features from any angle. Hotspots on the model allow users to learn more about: Major craters (e.g., Tycho, Copernicus) Maria (lunar seas) Landing sites of historic missions (e.g., Apollo, Chandrayaan) The multimedia provide organized information on: • Moon Structure: Internal layers like crust, mantle, and core with cutaway views • Landed Space Missions: Mission names, country of origin, landing date, and discoveries • Named Features: Craters, maria, rilles, and highlands with scientific annotations • Rotational & Orbital Motion: Interactive diagrams showing rotation, revolution, and synchronous rotation (same side always faces Earth) • Other Planetary Moons: Profiles of notable moons (e.g., Ganymede, Titan, Europa) with comparison charts on size, composition, and orbits **User Interface:** • Touchscreen-friendly with drag, swipe, and tap inputs • Clear UI layout with icons and labeled sections • Pop-up windows with text, animations etc.	
6	Phases of the Moon	**Concept and Overview:** This interactive multimedia exhibit educates visitors about the changing phases of the Moon as observed from Earth, based on its 29.5-day orbital cycle. A 3D Moon model responds to manual rotation and interactive controls, helping users visualize the relationship between the Moon, Earth, and Sun. Visitors can explore the phases either manually or through an automated time-lapse animation. **Content:** The Moon's phases are caused by its position relative to Earth and the Sun: • New Moon: Moon is between Earth and Sun – invisible from Earth. • Waxing Crescent: Right-side sliver illuminated. • First Quarter: Right half visible – "D" shape. • Waxing Gibbous: More than half lit, increasing brightness. • Full Moon: Fully illuminated Moon face. • Waning Gibbous: Decreasing illumination, mostly visible. • Last Quarter: Left half visible – "C" shape. • Waning Crescent: Left-side sliver visible before new cycle. Interactive Features and Animation: a. 3D Model Interaction: • Visitors can manually rotate a 3D Moon using touch or gesture control. • As the Moon rotates, phase visuals and corresponding data update dynamically. b. Time-Lapse Animation Mode: • A button-triggered auto-animation plays the Moon's full phase cycle in a fast-forward visual. • Includes audio narration or on-screen text guiding users through each phase.	**Graphics /Text/Animation/ Interactivity should be there**

| | | c.   Click-to-Explore   Functionality: Each Moon phase icon is clickable and reveals:
• Phase animation from Earth's perspective.
• Lighting angles from the Sun's position.
• Scientific explanation via voiceover and/or text pop-up.
d. Compare Views Toggle:
• Switch between Earth view and space view to show differences in perception.
• Helps explain why the Moon appears to change shape from Earth.
User Interface (UI) Design:
• Circular timeline or orbit path with labeled Moon phases around Earth.
• Phase Slider Tool: Users drag a slider to shift between phases in real-time.
• Clickable Moon icons placed along the orbit path.
• Rotating Sun-Earth-Moon model on side panel for real-time light interaction.
• Fullscreen touchscreen layout, optimized for museum/interactive kiosks. | |

PART - II

| 7 | Life cycle of a star | Concept and Overview:
This interactive multimedia exhibit enables visitors to explore the various life stages of a star through a tactile timeline slider. As users physically slide the control across a timeline, animations are triggered via hardware sensors, visually and aurally narrating the transformation of a star based on its mass. Each stage is cue-based, allowing for deep engagement .

Interactive Stages and Multimedia Concepts:
1. Nebula – The Stellar Nursery
• What it is: A massive, cold cloud of gas and dust, mainly hydrogen.
• What happens: Gravity slowly pulls material together into dense regions.
• Multimedia Cue: Animation of swirling gas clouds gradually condensing into a glowing clump, soft ambient sounds simulate cosmic winds and early formation.

2. Protostar – A Star is Born
• What it is: The dense center of a nebula beginning to heat up.
• What happens: Heat builds from gravitational pressure; fusion hasn't started yet.
• Multimedia Cue: Visual of a glowing core intensifying in brightness and temperature; rising audio tones to reflect increasing energy.

3. Main Sequence Star – Stable Life
• What it is: A fully formed star, stable due to nuclear fusion converting hydrogen to helium.
• What happens: Long period of equilibrium; star shines steadily.
• Multimedia Cue: Users can toggle between different star sizes:
    o Red Dwarf (small, cool)
    o Yellow Star (medium, like the Sun)
    o Blue Giant (large, hot)
      Animations change star color, size, and surface activity; background music varies to match intensity. | **Graphics /Text/Animation/ Interactivity should be there** |

		4. Red Giant / Supergiant – Old Age
		    • What it is: The star expands as hydrogen depletes in the core.
		    • What happens: Surface cools, outer layers swell dramatically.
		    • Multimedia Cue: Star swells on-screen, shifting to reddish hues; glowing solar flares, slower dramatic music indicating transformation.
		
		5. Death Depends on Mass – Final Outcomes
		Path A: Low/Medium-Mass Stars (e.g., Sun)
		    • Planetary Nebula: Outer layers drift away into colorful clouds.
		    • White Dwarf: A dense, hot core remains.
		    • Black Dwarf: The white dwarf cools over trillions of years (theoretical stage).
		    • Multimedia Cue: Timelapse animation showing ejection of outer layers and gradual fading of the white dwarf.
		Path B: High-Mass Stars
		    • Supernova: Catastrophic explosion that disperses heavy elements.
		    • Neutron Star: Extremely dense remnant core.
		    • Black Hole: Gravity collapses the core to a singularity.
		    • Multimedia Cue: Vibrant supernova explosion with rumbling audio, followed by either a pulsing neutron star or the warping animation of a black hole forming.
		Can be developed using open-source platforms such as Unity, Processing, or Godot for visual rendering. Sensor integration via Arduino or Raspberry Pi. Optional voiceover/narration for accessibility.	

8	Build your own Solar System (Explore Planetary Orbits)	This interactive application will help you understand gravitational laws and orbital mechanics by allowing them to create and experiment with their own solar system models. It provides hands-on learning of how mass, velocity, and distance influence celestial motion, collisions, and orbital paths. Real-time Physics-Based Simulation may be added to get a good animation.
		
		Scenario Builder Panel
		Users begin by selecting a simulation template:
		    • Sun & Planet
		    • Sun, Planet & Moon
		    • Sun, Planet & Comet
		    • Trojan Asteroids (Lagrange points)
		    • Binary Star & Planet System
		    • Four-Star System *(Chaotic orbits, instability)*
		Each scenario has customizable slots for objects.
		2. Object Customizer
		For each celestial object, visitors choose:
		    • Type: Sun, Planet, Moon, Comet, Asteroid, Star
		    • Mass: Slider or numeric input (scaled units)
		    • Initial Position & Velocity: Drag on canvas or enter values
		    • Trajectory Preview: Dashed lines show predicted paths based on input
		3. Simulation Canvas
		    • A 2D or 3D space environment where orbits play out.
		    • Objects attract each other based on realistic gravity (Newtonian physics).
		    • Trails and path histories visualize motion.
		    • Visitors can:
		        ○ Pause/Play/Reset
		        ○ Zoom & Rotate (if 3D)
			Graphics /Text/Animation/ Interactivity should be there

		o Speed Up/Slow Down Time
		4. Real-Time Analytics Display
		   • Object labels with:
		       o Mass
		       o Velocity
		       o Distance from other bodies
		   • Tooltip popups show gravitational force, kinetic energy, orbital period, etc.
		5. Special Events & Effects
		   • Highlighted moments like:
		       o Orbital resonance
		       o Capture into orbit
		       o Collision → Explosion → Debris
		       o Slingshot maneuvers	

9	Star Map Exploration	**Concept and Overview:**
		The 360° Star Sky Viewer is an immersive, interactive digital star map that enables visitors to explore constellations, stars, and celestial objects visible in the night sky from any location and time. By inputting a city-based location and date/time, users can view a real-time simulation of the sky, tailored to their geographical position.
		
		Interactive Features and Animation:
		   • **Dynamic Sky Mapping:** Based on the selected city, the system automatically converts the input into geographic coordinates (latitude and longitude) to generate an accurate sky view.
		   • **Real-Time Simulation:** The star map dynamically adjusts to the user's input, displaying celestial positions based on both time and location.
		   • **360° Navigation:** Visitors can zoom in/out, rotate, and drag the sky view in all directions, providing a planetarium-like experience.
		   • **Day/Night Toggle:** A switch allows users to simulate the sky under daylight or nighttime conditions, enhancing realism and educational value.
		
		Clickable Sky Elements and Pop-Up Information:
		   • **Stars and Constellations:** Key stars and constellations (e.g., Orion, Ursa Major, Cassiopeia) are labeled and interactable.
		   • **Pop-Up Detail Windows:** Clicking on a star or constellation opens an information window showing:
		       o Star/Constellation Name and Designation (e.g., Betelgeuse / Alpha Orionis)
		       o Distance from Earth
		       o Apparent Magnitude (brightness)
		       o Spectral Class (color and temperature)
		       o Notable facts or cultural references
		Technology and Implementation:
		   • The application can be built using open-source astronomy simulation libraries or APIs such as **Stellarium Web**, **Three.js**, **D3.js**, or **NASA's SkyView API**.
		   • The interface will be web-based or integrated within a kiosk/touchscreen for physical exhibits, ensuring easy interaction.
		Data sources will be updated periodically to reflect current star catalogues and astronomical datasets.
			Graphics /Text/Animation/ Interactivity should be there

| 10 | Build Your Own Spacecraft | **Concept and Gameplay Description:**
"Build the Spacecraft!" is an interactive digital media game where players design, assemble, and launch virtual spacecraft. The game allows players to choose the space craft such as flybys, orbiters, landers, or rovers etc.

Interface and Animation Design:
The game features an intuitive drag-and-drop interface where players assemble spacecraft by selecting and placing various parts onto a base model. All components are presented in an isometric or 3D-style view, scaled smaller to enhance visual clarity and encourage strategic thinking about placement and structure. The spacecraft is divided into a minimum of six modular parts:

Core Module: The main structural body of the spacecraft.
Propulsion System: Options include chemical rockets, ion thrusters, or solar sails.
Power Source: Includes solar panels or nuclear RTGs (Radioisotope Thermoelectric Generators).
Communication Antenna: Required for data transmission to Earth.
Scientific Instruments: Cameras, spectrometers, seismometers, drills, etc.
Landing Gear / Mobility Systems: Used for landing and roving missions, including wheels or robotic arms.

After successful assembly, a pop-up information window appears, describing the spacecraft's functions, mission objectives, and components used. Completion of each spacecraft allows the player to advance to the next level.

Levels and Progression:
The game is structured in progressive levels, each unlocking a new spacecraft based on real or proposed missions. A total of twenty spacecraft models are included (tentative list), such as:
BepiColombo , Aquarius, Apollo 16,Able 4B (Pioneer P-3), Chandrayaan-3,Cluster-II,Soyuz
(Additional spacecraft can be added or updated as required.)
Mission Selection (Start Menu & Levels) | **Graphics /Text/Animation/ Interactivity should be there** |
| 11 | Multiplayer Quiz | Animation and Graphics:
The multimedia interface features engaging 2D/3D graphics with a visually appealing quiz layout designed to attract and retain the attention of visitors. Animations highlight the quiz flow, including countdown timers, answer selection feedback, and score progression. Each correct answer triggers a brief animated explanation that enhances understanding of the exhibit content. Visual transitions and character animations are used to create a dynamic, game-like environment, encouraging participation and learning.
Sensor Integration:
The multiplayer quiz accommodates two or three players simultaneously, each using dedicated hardware sensors—such as push buttons, touch pads, or IR-based hand gesture sensors—to submit their answers. The system detects the input in real-time and displays the corresponding response instantly on screen. Sensor input is mapped to player zones, enabling accurate tracking of individual responses and scores. | **Graphics /Text/Animation/ Interactivity should be there** |

Signature of the tenderer
(With date and Official Seal)

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 Council of Science Museums 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 ……………….. days/months from the date of issue of letter of intent / Work Order (as defined in the scope of work **(Annexure – D)** 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 Council of Science Museums 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 Council of Science Museums to deduct from any money due to him a liquidated damage as per Penalty Clause 6 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 Council of Science Museums 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.

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

7. 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 contract) shall be referred to arbitration as per relevant Clauses of General Terms and Conditions of contract (Annexure – B). 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 Council WITH SEAL

In presence of the following witnesses:
(M/s. _____.)

In presence of the following witnesses:
(National Council of Science Museums)

Signature, Name & Address of Witnesses

Signature, Name & Address of Witnesses

…………………………..

…………………………..

…………………………..

…………………………..

BANK DETAILS OF NATIONAL SCIENCE CENTRE, DELHI

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

**FORMAT FOR ANNUAL TURNOVER AS PER THE AUDITED ACCOUNTS
TOWARDS THE QUALIFYING EXPERIENCE (Best Three of five will be considered)**

Sl. No.	Financial Year	Turnover in INR
01.	2023-2024	
02.	2022-2023	
03.	2021-2022	
04.	2020-2021	
05.	2019-2020	

(In case of Consortium, the Turnover of only lead partner needs to be mentioned)

_____

(Signature of Authorised Signatory)

This is to certify that the above information has been examined by us on the basis of relevant documents; books of accounts & other relevant information and the information submitted above is as per record and as per details annexed.

Signature, Address, Seal & Membership No of Chartered Accountant.

BILLS OF QUANTITIES (BOQ)

Tendering Authority: National Science Centre, Delhi

Name of the Work: **Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium Delhi**

Name of the Bidder/bidding firm:

Price Schedule							
S. No.	Item Description	Qty.	Basic Rate in fig.	GST %	Total Amt. without GST	Total Amt. with GST	Total Amount in word
	Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium Delhi as per Scope of Work mentioned in Annexure-D in the NIT.						
1.01	Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium Delhi as per Part-1 (from S. No. 01 to 06) in Scope of Work mentioned in Annexure-D in the NIT.	1 LOT					
1.02	Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium Delhi as per Part-1 (from S. No. 07 to 11) in Scope of Work mentioned in Annexure-D in the NIT.	1 LOT					
TOTAL							

COST BREAKUP

Tendering Authority: National Science Centre, Delhi

Name of the Work: Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium Delhi

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
PART-1							
1	Introduction of Universe						
2	Our Star - the Sun						
3	Explore the Planets in our Solar system						
4	Meteors, comets, asteroids - Who killed Dinosaurs?						
5	Our Moon						
6	Phases of the Moon						
PART-2							
7	Life cycle of a star						
8	Build your own Solar System (Explore Planetary Orbits)						
9	Star Map Exploration						
10	Build Your Own Spacecraft						
11	Multiplayer Quiz						
	Total						

Signature of the tenderer
(With date and Official Seal)

FORMAT FOR THE CONSENT LETTER FROM TEAM MEMBERS

I_____, voluntarily agree to participate in the project if awarded the work of **Conceptualization, Design, and Development of Interactive Multimedia Interfaces for 'Astronomy Gallery' at Nehru Planetarium Delhi**

I understand that if I agree to participate now, I cannot withdraw from the project or refuse to work without any consequences of any kind, except under exceptional circumstances.

I understand that I can withdraw from the project, under the justifiable exceptional circumstances, with a minimum of two weeks' notice, only with the approval of the authority of the National Science Centre, Delhi.

I understand that my participation involves [outline briefly in simple terms what will be your specific work for this project]

I understand that no financial or other benefit, directly or indirectly, will be given to me by National Science Centre, Delhi for participating in this project.

I understand that in any report on the results of this project, my identity will remain anonymous and no credit for this project will be directly attributed to me.

I understand that I will have no claim on the content that I will provide for this project as an expert.

I understand that I am free to contact any of the people involved in the project to seek further clarification and information.

Signature & Seal (if any) of the Expert   **Signature & Seal of the Bidder**
(Name and Designation of Expert)

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 (allotted by BEL)	
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

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

Date ------------   Tender No.NSCD/18011/E-Tender-02/2025-26

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.

<div align="right">

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)

</div>

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 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