Government of Bihar

Building Construction Department(BCD)
Invitation for National Expression of Interest for Consultancy Services for Comprehensive Design for Dr. A.P.J. Abdul Kalam Science City in Patna, Bihar, India

NationalExpression of Interest invited from individualfirm/ consortium of firms of national / international repute for comprehensive design services, for the Dr. A. P. J. Kalam Science City, Patna. The services include for the Comprehensive Design of the Science City which includes comprehensive Architectural and Engineering Design of the Facility and Site, Exhibition Design, and Project Management and Construction Administration of the Building Contractors and Exhibition Fabricators. The design is to be based on the Master Plan prepared by Lord Cultural Resources.The EOI can be downloaded from the notice board of (http://bcd.bih.nic.in/).

Duly completed soft copies of Expression of Interest packages should be sent to sciencecity.patna@gmail.combyJune 05, 2017latest by 4:00 P.M. Sealed hard copies of the entries should reach **'The Senior Architect, Building Construction Department, 203, VishveshwaraiyaBhawan, Bailey Road, Patna 800015, Bihar'** latest by 4:00 P.M.,June 05, 2017. Pre-bid meeting will be organised on May 19, 2017 at the office of Principal Secretary, BCD

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PR no.- 1175(Building)17-18

Sd/
(Senior Architect)

NationalExpression of Interest
for
Consultancy Services for Comprehensive Design
Dr. A.P.J. Abdul Kalam Science Cityin Patna, Bihar, India

Building Construction Department

Government of Bihar

May05, 2017

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1. PROJECT OVERVIEW

1.1 INTRODUCTION

The Department of Science & Technology (DST), Government of Bihar is developing a new world class, state-of-the-art Science City on a Greenfieldsite in Central Patna, Bihar. Lord Cultural Resources is the Master Planning Consultant for this proposed Science City, named Dr. A. P. J Abdul Kalam Science City.

The Dr. A.P.J. Abdul Kalam Science City proposed for Patna aims to be:

- A globally unique and exciting place.
- Bridging - Past | Present | Future.
- Building on the rich legacy & current innovation in Bihar.

On behalf of the Department of Science and Technology, the Building Construction Department (BCD), Government of Bihar invites Expression of Interest from Consortium of qualified Architects, Engineers, Exhibition Designers, and Project Managers with requisite experience for theComprehensive Design of the Science City which includes comprehensive Architectural and Engineering Design of the Facility and Site, Exhibition Design, and Project Management and Construction Administration of the Building Contractors and Exhibition Fabricators. The design is to be based on the Master Plan prepared by Lord Cultural Resources.

The Selection Process isorganized in two stages:
Stage 1: Expression of Interest (EOI), invited by the issuance of this document
Stage 2: Request for Proposal (RFP), which will be issued to teams shortlisted at Stage 1. The RFP will provide a more detailed project brief and scope of services.

1.2 AUTHORITY AND PROJECT TEAM

EOI Floating authority
Building Construction Department (BCD), Government of Bihar.

Master Planning Consultant
Lord Cultural Resources is the Master Planner for the Science City,and will review the architectural development and exhibition design development for conformance with the Master Plan.

Design Team / Consultant Consortium
The Consortium selected via this Selection Process for the Comprehensive Design for Construction (which includes comprehensive Architectural and Engineering Design of the Facility and Site, Exhibition Design, and Project Management and Construction Administration of the Building Contractors and Exhibition Fabricators). The lead and all the other members of the Consortium should be registered and licensed to work in India. The team can have sub-consultants not necessarily registered in India.

Building Contractor
It is planned to have a single agency as thecontractor for the site, building and services, who will be appointed through a future tendering process. The contractor will be responsible for installing all services in the building and exhibition spaces and for coordinating and integrating with the exhibition fabricators.

Exhibition Fabricator
It is planned to have a single agency for the preparation of the exhibition detailed design, fabrication and installation of exhibits, who will be appointed through a future tendering process. Besides, the exhibits, the fabricator will be responsible for end devices and finishes within the galleries.

1.3 PROJECT DESCRIPTION

Concept and Themes

Dr. A.P.J. Abdul Kalam Science Citywill inspire, empower and educate visitors by exploring the ways in which science is at work in the world around them. The Science City will be rooted in the historical and present-day context of Patna and Bihar, India and the world.

Key Principles for the Science City:

1. Accessible and Inclusive: to all people- regardless of economic circumstances, class, caste, age, gender, religion or other
2. Relevant: to the lives of the visitor- particularly in addressing local challenges and improving the immediate surroundings
3. Proactive: in attracting schools and families
4. Edutaining: a fun and educational experience encouraging repeat visitation
5. Participative and Hands-On: encouraging visitors through experiential, nature-based pedagogy
6. Dynamic: interactive exhibits, with some changing elements
7. Sustainable: environmentally and financially sustainable
8. Effective: committed to evaluation and positive, measurable impacts

The site and building will be a core component of the visitor's learning journey-seamlessly and creatively integrated with the exhibitions and programming. The building and landscape will be used to illustrate application based sciences and must be innovative, environmentally sustainableand accessible, and draw on vernacular building traditions, material and design where appropriate. The facility will exemplify sustainable design and be visibly sustainable such that parts of the building itself can be exhibits on sustainable architecture. The Science City will encourage applied science, science careers, offer dynamic visitor programming and curriculum support, and include a strong outreach component.

Themes:

<table>
<tr>
<td>Be a Scientist
• You are a Scientist. Now…
• The Scientific Method
• What is an Ecosystem?
• Meet Some Scientific Teams
• The Culture of Science
• Careers in Science</td>
<td>Basic Science
• Basic Physics
• Basic Math
• Basic Chemistry
• Robotics
• Computer & Data Science
• Geology and Meteorology (small focus)</td>
<td rowspan="2">Sustainability
• Climate Change
• Biodiversity
• Atmospheric Aerosol Loading
• Ozone Depletion
• Chemical Pollution
• Recycle
• Waste Management
• Sustainable Architecture

Topics of Soil, Water, Climate, Agriculture, Animals will be included in this section with a small focus, and also an Earthquake Simulation exhibit</td>
</tr>
<tr>
<td>Body and Mind
• Human Micro biomes
• The Body Under Threat
• Science Detectives
• Good Drugs, Bad Drugs
• Naturopathy/ Natural Science</td>
<td>Space and Astronomy
• Astronomy
• Space Science
• Missile Technology
• Aryabhata
Taregana and Khagaul</td>
</tr>
</table>

Besides the exhibits on the above themes, there will also be 6 active learning spaces such as Biology and Chemistry lab, Demonstration Kitchen, Maker Space, Body and Mind Gym, Radical Future Farm and Big Data Centre. These will also be an integral part of the science city.

Site

The proposed Science Citywill be situated on a 20.48acresite in central Patna near Moin-Ul-Haq Stadium. (See Annexure A for Site Location Plan). Participants are encouraged to visit the site to familiarize themselves with the location and site.

1.4 PROJECT SCHEDULE

The Opening Day for Dr. A. P. J. Abdul Kalam Science City has been set for June 2019, and the facility needs to be complete in all respects, including testing and commissioning of all components by early 2019.

2. SCOPE OF WORK

2.1 BUILDING AND SITE DESIGN CONSULTANCY

2.1.1 Overview

The design of the new Science City should be based on the principals of sustainability, where the campus architecture, infrastructure and landscape will integrate with the exhibitions. The building itself should function as an exhibition and communicate all the means that are used to make the architecture sustainable and of low energy consumption. The unique site, its topography and challenging surroundings present an interesting opportunity to the Design Team to create a truly educational facility that provides a solution to the surrounding challenges and local constraints. The Science City's architectural concept should be driven by the Exhibition Scheme, and therefore a composite Design team is being selected.

The target built up area is 30,000 square metres. The total experiential area is 20,000 sq. metres.

The visitor experience of the Science City consists of

- 7500 square metres of permanent exhibition integrating hands-on, participative exhibits, with some changing exhibits
- 6 spaces for experimentation and making- indoors and outdoors
- A 4-D theatre and/or virtual reality 'pods' or similar updated virtual reality technology at time of project realization
- 1300 square metres space for temporary exhibitions
- Building Exhibition- where the sustainable building characteristics will be made visible to the visitors
- Cafeterias, playground, and public spaces
- Dormitory for school children

The Science City design is to be according to the following design principles:

- Reflect the Science City core values of Connect, Participate, Surprise
- High connectivity between the functional spaces with transitional/ bleed-through areas to enable and provoke multifunctional, flexible use
- Universal Design providing both conceptual and physical accessibility
- A flexible design with well resolved and contiguous spaces to enable two 'operating models'; public access and commercial hire
- An exciting scheme that is ultimately deliverable, highly sustainable and flexible
- Maximum use of the development potential of the site

2.1.2 Building and Site Design Scope of Services

The Consultant Consortium's Comprehensive Scope of work will include, but is not limited to, the following Design Services for the Site and Building, to provide a highly sustainable facility. The Consultant Consortium is responsible for compliance with all applicable codes and guidelines.

Architectural Services:

Based on the master plan and project brief provided, the Consultant Consortium shall prepare Concept Design, Schematic Design, Design Development and GFC drawings, Specifications, Bill of Quantities, and Tender for the selection of the Building Contractor for complete building and site construction and services. The scope of work shall include but is not limited to:

1. Site Design – comprehensive design of entire site including placement of buildings, utilities, landscape, irrigation, and amenities, and preparing detailed GFC drawings. The site design shall take into account the planned development of the site location per the City Development Plan.

2. Building Design – comprehensive design of the buildings per the design brief that integrates all services and building services and in coordination with the Exhibition Design, and preparing detailed GFC drawings.

3. The Science City will highly sustainable and will exhibit the following principles:
    - Green Building Norms
    - Provision of Rooftop Solar Power Plants, LED Lighting
    - Waste Water Recycling, Rain Water Harvesting
    - Adoption of New and Emerging Technologies
    - Universal Accessibility

Engineering Services:

Comprehensive mechanical, electrical, plumbing, fire protection, structural, and civil engineering for the site, buildings and exhibition areas including site infrastructure and civil works, utilities, running OFC and Networking Cables, Wi-fi, Security infrastructure, engineering the high side and low side systems designs, and preparing detailed GFC drawings. The scope includes any engineering for the exhibits as well.

The Science city should be state of the art SMART CAMPUS employing technology for facilitating high level functioning and operations at every possible segment of MIS and BMS.

Specialty Services:

Acoustic engineering for the exhibition, auditorium, activity and gathering areas and inclusion of necessary design elements to control the acoustics; kitchen and cafeteria design; retail design; branding and way finding; graphics / artwork for non-exhibition areas; special lighting design are all included in the Comprehensive Scope of work for the Consultant Consortium.

Preparation of Tenders and Appointment of Building Contractor:

The Consultant Consortium is responsible for preparing the Tender and assisting the DST and BCD on activities of tender process including issuing the tender, bid opening, bid evaluation, and selection of the contractor including appointment of any necessary Jury or Selection Committee.

2.2 EXHIBITION DESIGN CONSULTANCY

2.2.1 Overview

Dr. A.P.J. Abdul Kalam Science Citywill be an integrated experience that will have many interpretive and entertainment options for visitors – from outdoor, seasonal events to interactive exhibits to children experiences.

Following the strategy to create a story-driven and engaging experience for participants, the exhibition galleries will include a number of high-tech interactives and models.

2.2.2 Exhibition Design Scope of Services

The architecture and the exhibition spaces are to be well integrated and complete, and the exhibition design will include, but is not limited to, the following scope of work.

Detailed Exhibition Design
Inception Report
Concept Exhibition Design based on the interpretation plan in the master planning document
Content Research, Coordination and Development
Exhibition Design Development
Design Control Documents/ Tender package for the Selection of the Fabricator

Preparation of Tenders and Appointment of the Exhibition Fabricator:

The Consultant Consortium is responsible for preparing the Tender and assisting the DST and BCD on activities of tender process includingissuing the tender, bid opening, bid evaluation, and selection of the fabricators including appointment of any necessary Jury or Selection Committee.

2.3 MANAGING THE CONTRACTOR AND FABRICATOR

Construction Administration and Managing the Building Contractor's progress:

The Consultant Consortium will be responsible for monitoring the Building Contractor's progress against the Project Schedule, review of shop drawings and submittals, site visits to monitor the progress of the work, and weekly / monthly periodic progress reporting to the Clients. The Consultant Consortium will review the work during and after installation, and maintain snag lists, and approve the completion of the Contractor's partial and complete scope of work. The Consultant Consortium will make recommendations regarding completion of stages of the Contractor's work to assist the clients in approving the Contractor's work and associated payments.

Construction Administration and Managing the Exhibition Fabricator's progress:

The Consultant Consortium will be responsible for monitoring the Exhibition Fabricator's progress against the Project Schedule, review of shop drawings and submittals, site visits to monitor the progress of the work, and weekly / monthly periodic progress reporting to the Clients. The Consultant Consortium will review the work during and after installation, and maintain snag lists, and approve thecompletion of the Fabricator's partial and complete scope of work. The Consultant Consortium will make recommendations regarding completion of stages of the Fabricator's work to assist the clients in approving the Fabricator's work and associated payments.

2.4 TEAM / EXPERTISE REQUIRED

The Consortium may comprise of organisations / individuals to collectively execute the project. There can be a maximum of three organisations in the consortium. The Consortium will be represented by a lead organisation, preferably the Architect, which will be solely responsible for execution of entire project and will represent all partners of the Consortium.

The Consortium should be led by the architecture team. The Consortium Lead should ensure that it includes qualified team members tosuccessfully deliver the above scope as per the Project Schedule.

The organisations (or consortium) must have under mentioned professionals with domain expertise:

- Licensed Architect, registered with the Council of Architecture, India, for the Architectural Design
- Licensed MEP/FP/S engineers, infrastructure and civil engineers
- Licensed Landscape Architect
- Sustainability consultant for GRIHA rating and sustainable design of site, building and exhibits
- Surveyors, curators as needed
- Experts with domain knowledge of science, scientific principles – scientists, teachers, researchers.
- Licensed specialty consultants for acoustics, kitchen design, specialty lighting, etc.
- Signage and Way Finding Design team
- Exhibition Design team led by a strong Creative Director
- Construction Administration team

The exhibition design team should have spatial & graphic designers, content developers & writers, illustrators and fabrication quality control personnel.

3. SELECTION PROCESS

3.1 OVERVIEW

The Selection Process is organized in two stages according to the schedule below.
The Consortium Design Lead is invited to respond to thisEOI and submit the qualifications for the complete Consultant Consortium team.

Subject to the quality and content of information received from the respondents of this EOI, a short list of respondents will be established (maximum of five) and these shortlisted respondents will be requested to outline a high level conceptual architectural design, content and exhibition ideas for Dr. A.P.J. Abdul Kalam Science City for presentation to a selection panel.

Up to five Consortiums with the highest scores will be short-listed to participate in Stage 2 of the Selection Process, and the Request for Proposal Document (RFP) with be shared with the shortlist.

The proposed schedule for the Stage 1 and Stage 2 milestones are as follows:
Note: In case of Public Holiday or Sunday, the next working day immediately following shall be recognized as the due date for the activity.

Activity	**Dates**
STAGE1– EOI	
Publishing of the EOI	May 05, 2017
Query Period	By May 19, 2017
Pre-Bid Meeting at Patna	May 19, 2017
Queries Response – uploaded to (www.bcd.bih.nic.in)	May 24, 2017
EOI Submission Due by Email	By June 05, 2017
EOI Hard Copy Submission	By June 05, 2017
Evaluation of EOI Submissions	June 15, 2017
Notify Short Listed teams	Between June 15 – June 20, 2017
STAGE2– RFP	
Distribute RFP to Short Listed Firms	June 20, 2017
Patna Site Visit and Pre-Submission Meeting	June 30, 2017
Queries Period	By July 03, 2017
Queries Response – uploaded to the (www.bcd.bih.nic.in)	July 06, 2017
Proposal Submission Due by Email	By August 21, 2017
Proposal Hard Copy Submission	By August 21, 2017
Evaluation of Submissions	By September 06, 2017
Presentation by Short Listed teams in Patna	September 06, 2017
Announcing the Winners	September 18, 2017
Signing of Agreement	To be Notified Later

The pre-bid queries should be submitted in the format specified in Appendix B and they should be submitted in MS-Excel format. Pre-bid queries not submitted in the prescribed format may not be responded to.

3.2 STAGE 1 – EXPRESSION OF INTEREST

Please submit a PDF file of your EOI package on or before 4:00 P.M Indian Standard Time, June 05, 2017 tosciencecity.patna@gmail.com

Numbered and initialled hard copies of the electronically submitted EOI package should reach the following address latest on or before 4:00 P.M Indian Standard Time,June 05, 2017.

The Senior Architect,
230, Building Construction Department,
VishveshwaraiyaBhawan,
Bailey Road,
Patna 800 015
+91 612 2545575

Stage 1 Submission Guidelines

Consortium firms or Firms with relevant experience and team members per 2.4 aboveare invited to submit EOI, in A4 format, not exceeding 40 pages in the order outlined below. PDF softcopy of the EOI package should not exceed 10MB.

The applicant has to submit, along with the proposal, a non – refundable 'EOI Sale Cost' equivalent to an amount of INR 10,000/- (Rupees TenThousand) and a refundable 'Bid Security'equivalent to an amount of INR 2,00,000/- (Rupees TwoLakhs)through twoseparate Demand Draft (DD) in favour of Secretary, Building Construction Department, Patna. The 'Bid Security' of the Winner of the Consultant Selection Competition will be adjusted in the successful contract of DST/ BCD with consortium. The refund of 'Bid Security' of Stage 1 and Stage 2 Non-Qualifiers will be done post completion of the Consultant Selection Process.

Shortlisted firms will be required to identify the full project team in the second stage.

Respondents are encouraged to ensure that submissions are succinct and clearly organized and presented in the order described below. It is important to note that this stage does not require a design proposal. The purpose of Stage 1 is to provide information on firm qualifications, related sustainability and Science City experience, key personnel and an indication of the creative and innovative potential of the team based on the team'sdesign philosophy and examples of its past and current work.

All information included in this section will be legally binding and treated as an undertaking, so any incomplete information or discrepancies will lead to disqualification of the team, and may also lead to debarment. The client reserves the right to accept or reject all or any of the Bids or Proposals at any time without thereby incurring any liability to the affected Bidder orBidders or any obligation to inform the affected Bidder or Bidders or the grounds for client's action whatsoever.

Serial No.	Description	Page Limit
1.	**Cover Letter ***	4
	a. Include firm name, name of key sub-consultantsand list key members of the Design team*	
	b. Provide a brief description of what makes your firm and team ideal for this project*	
	c. Provide contact information for the team including all firms and sub-consultants, including name, address, telephone and facsimile numbers, e-mail address and website URL for key firms and sub-consultants in the team*	
	d. Also clearly mention if the lead team has been free from or under any litigation in the last five years, and mention the litigation details if any*	
2.	**Firm Profile, Financial and Legal documents ***	
	a. Minimum Annual Turnover of Design Team / Consultant Consortium should be INR 6 Crore in each of the last three financial years.Each member firm of the Consortium should have had annual turnover of not less than INR 2 Crores in each of the last three financial years. Provide audited annual financial reports of the firm of the last 3 years and last 3 years tax filings of the lead firm and all member firms of the consortium. All copies should be notarized / attested by a registered Chartered Accountant*	As needed
	b. Provide TAN no., ST no. and notarised true copies of company incorporation certificate for the lead firm and each member of the Consortium*	As needed
	c. Each member of the Design Team / Consultant Consortium should have had a practice for not less than five years.Provide firm profile that gives of the location of the office(s), how long the lead and its sub-consultants have been practicing, the size of each of the key sub-consultant teams, including total professional and support staff by discipline, and any resources that are significant for this project*	3
3.	**Design Team Composition and Key Personnel ***	12
	a. Describe the Design Team composition assigned to this project. Identify the name, qualifications, position titles, role and responsibilities for each key member of the	

Serial No.	Description	Page Limit
	Design Team, including the Project Architect, Lead Exhibition Designer and Project Managers. For each team member, provide a concise outline of experience relevant to this project and time commitment for the project in months against the total projected schedule* b. Provide resumes for all team members that give educational and professional qualifications, prior work experience and list of projects* c. Include an organizational chart indicating roles and relationships and professional status of all firms and team members*	
4.	**Project Portfolio: Architectural team *** Provide Examples of Work depicting a minimum of 3 and a maximum of 7 relevant completed projects, under the headings below. Images may consist of photographs, legible drawings and diagrams. Concise captions identifying the role and responsibilities of the respondent, and other salient characteristics or accomplishments may be included* A Project List page shall precede the illustrations and list the referenced projects under the 3 headings and in the sequence they are presented* For each project, identify: Project Name, Date Completed; Client and their contacts, Location, Area in Gross Square Feet; Budget; Construction Cost, Project Team (Architectural, Engineering Consultants; Contractor) and Relevance to this project. Provide Project Completion Certificates* **a. Institutional Projects *** Include a minimum of 3 institutional projects completed within the last 15 years, the firm has designed. At least one of the institutions must be 10,000 square meters or more in area of a similar type, scale and complexity as the Dr. A. P. J. Abdul Kalam Science City. At least one of these projects should be based on sustainability principles and should be LEED or GRIHA certified. Identify the firm's role and why these projects are relevant.At least one project should be more than INR 100 crores in capital cost. Include reference to projects that demonstrate sustainability of the environment and sensitively locating the institution in its landscape.	7

Serial No.	Description	Page Limit
	b. Other Projects and Experience This section provides an opportunity to include other projects and / or additional experience. Identify why they are relevant to this project.	
5.	**Project Portfolio: Exhibition Design team *** The Exhibition Design team should be experienced in designing at least 5 exhibitions based on nature, science, sustainability and include at least one exhibition spread over 3000 square metres. All exhibitions should be strongly communicative and experiential including new medias. At least one exhibition design project should have a budget of INR 25 crores and/or above* For each project, identify: Project Name, Date Completed; Client and their contacts, Location, Area in Gross Square Metres; Budget; Fabrication, production and installation Costs, Project Team (Refer to 2.4 Team/ Expertise Required) and Relevance to this project* Describe your design philosophy with respect to your approach and expectations for the Science City. Identify the most important design opportunities and challenges for this project and how you would address them (not more than 1 page). Provide Project Completion Certificates*	6
6.	**Project Portfolio: Project Management team *** The project management team should have undertaken at least 5 institutional projects of which at least one is of 15,000 square metres. They should have also undertaken at least two projects which are GRIHA or LEED certified, and undertaken in India. At least one project should be of INR 100 crore capital costs.Additional points will be given if the projects are off-the-grid* For each project, identify: Project Name, Date Completed; Client and their contacts, Location, Area in Gross Square Metres; Budget; Construction Cost, Project Team (Project Managers, Architects, Engineers, Exhibition Design Managers) and Relevance to this project. Provide Project Completion Certificates*	5

Serial No.	Description	Page Limit
7.	**Statement of Design Process and Management *** Provide a brief statement of the Design Team Lead's ability to deliver effective team leadership and project management including construction administration. Identify what the success factors will be for this project and any concerns that you may have. Clearly state if the team structure would be a consortium or a consultant-sub consultant configuration* Provide a written summary of your approach to project management and project cost control and record of schedule and budget compliance*	2
8.	**References *** Each member of the Consortium should provide 3 client references (name, designation, email, contact mobile phone number) from past clients with whom BCD reserves the right to check on track record and delivery*	1
	Total Maximum	**40**
*** indicates prerequisite information - Team will be disqualified if this is not given**		

1. BCDreserves the right to verify the performance of the architect/ firm and to call for any further information.
2. Architect/ firm may furnish any additional information separately as deemed necessary. However, they are advised not to furnish superfluous information. No information shall be entertained after the due time unless called for by BCD.
3. Any information furnished by firm found to be incorrect at any stage would render their being ineligible without prejudice to any other right or remedy available in law of land.
4. All information included in this section will be legally binding and treated as an undertaking, so any discrepancies will lead to disqualification of the team, and may also lead to debarment in the state of Bihar and reporting to Council of Architecture.
5. BCDshall not be responsible for any postal delay.
6. Incomplete application/ disregard to the laid conditions may summarily lead to rejection of the application.

3.2.1 Responses to Q&A

Responses of all the questions will be compiled and posted on the notice board of BCDwebsite(http://bcd.bih.nic.in/)per the schedule.

3.2.2 Stage 1 EOI Evaluation Criteria

Up to five firms will be short-listed to participate in Stage 2 of the selection process. Selection of the short-listed firms will be based on an evaluation of the overall quality of the submissions and the five firms with the highest scores (Subject to minimum obtained marks as 50) will be invited for Stage 2.

Proposals will be awarded points in the following categories:

Qualification	Points
1. Cover Letter	3
2. Firm Profile, Financial and Legal Documents	6
3. Design Team Composition and Key Personnel	15
4. Project Portfolio: Architectural Team	20
5. Project Portfolio: Exhibition Design Team	20
6. Project Portfolio: Project Management Team	20
7. Statement of Design Process and Management	15
8. References	1
Total	**100**

1. All entries will scored as follows:
   Score = Points Awarded x Multiplying Factor (10)

3.2.3 Compensation and Expenses

Respondents will not be compensated for any expenses associated with the preparation and submission of the Stage 1 EOI.

3.2.4 Questions

Please direct all questions in writing only, byMay 19, 2017through e-mail to:sciencecity.patna@gmail.com

3.2.5 Limitations to Liability

The BCDassumes no liability or responsibility for costs incurred by applicants in responding to this EOI or in responding to any further requests for a presentation, additional data, etc**.**

3.2.6 Rejection of Proposals

BCDreserves the right to accept or reject any or all the proposals without assigning any reason, and to terminate or modify the process at any time. No materials will be returned.No claim from any agency whatsoever on account of such decision of BCDshall be entertained.

3.3 STAGE 2 – RFP AND INTERVIEW

The following is an indication of what is expected from successful respondents should they be shortlisted from the first stage of the Expression of Interest. Up tofive number of Consortium teamssecuring maximum points will be invited to participate in Stage 2 of the selection process. A Stage 2 RFP and a building program along with more detailed information on the project will be provided to the short listed Consortium teams at that time.

The short listed teams will be invited to prepare a proposal, visit the site in Patna on their own cost and make a presentation to the Selection Committee. The Stage 2 submissions will be conceptual and should focus on the organization and massing of the building, planning of the primary elements and the Science City's relationship with the precinct with a focus on sustainability, and concept exhibition design.The design is to reflect a contemporary architectural engagement with the environment. To ensure greater activation of the precinct, the Science City is to be a holistic meeting place rather than solely an exhibition space. The configuration of public realm around the building and how it can enhance the whole Science City site and the local neighbourhood is particularly important. The Stage 2 proposal material presented at the interview is to be left with the Selection Committee.

The shortlisted teams will prepare conceptual architectural design with a focus on sustainability, and conceptual exhibition designas per the brief shared in the RFP, based on the Master Plan for the Science City. The shortlisted teams will present their methodology and approach to execute the project, indicating the breakdown of activities to meet the Project Schedule.

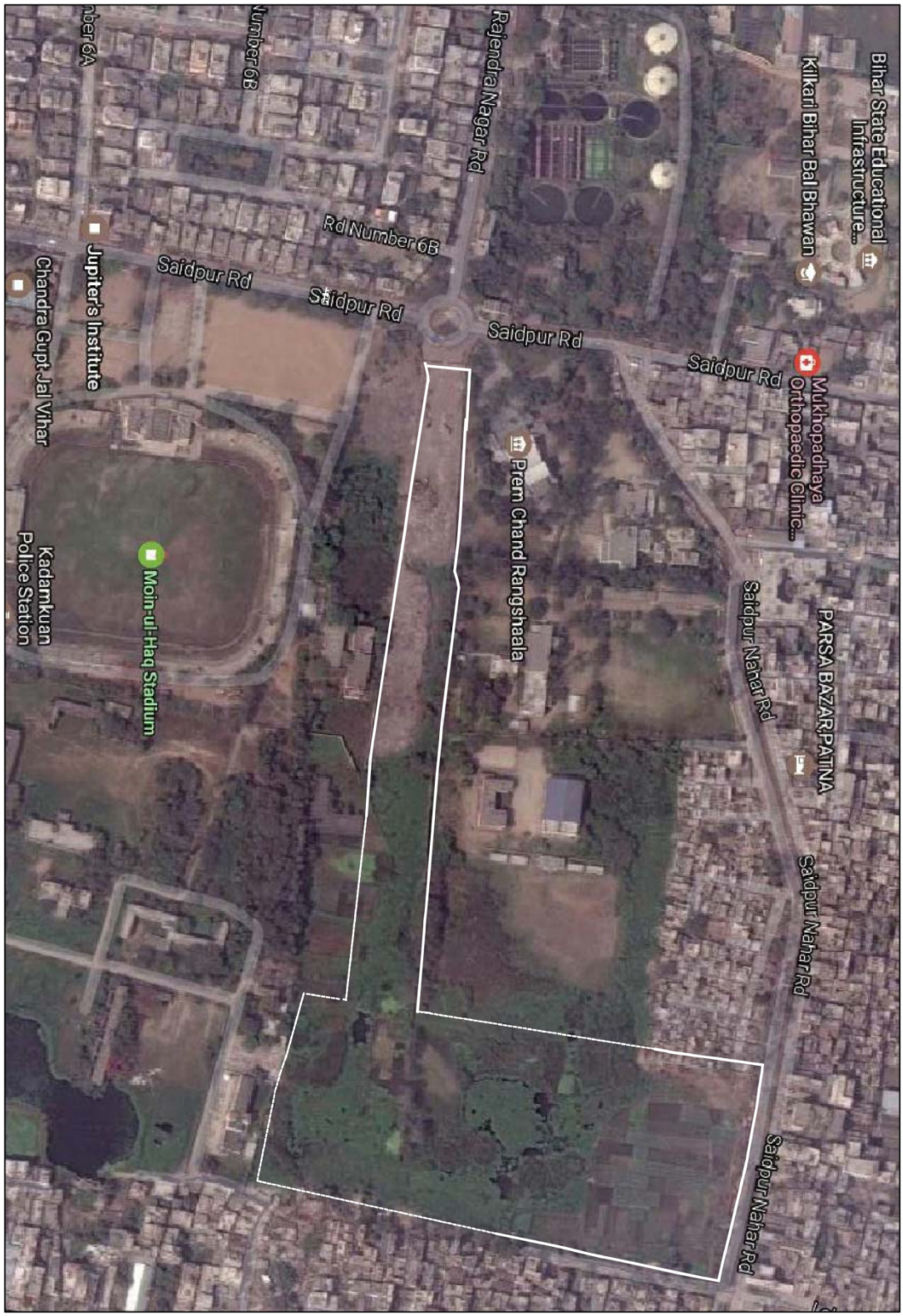
Based on these architecturalconcepts, content and exhibit ideas the final consortium team will be selected for the comprehensive design of the Dr. A.P.J. Abdul Kalam Science City.

The competition entries will be evaluated by the following criteria and associated weightage:

- Concept Design and Technical Proposal 60%
  (Architectural Design – 30 %, Exhibit Design – 30 %)
- Presentation and Interview 20%
- Financial Bid 20%

The participating short listed consortiums that complete the Stage 2 requirements will be provided with an honorarium of Rupees FiveLakhs (INR5,00,000/-)following the Stage 2 presentation, which will be paid after the final selection. The winning team will be exempt from the honorarium and will proceed towards contract finalization.

Appendix A: Site Plan



Note: Actual site dimension may vary.The final site plan will be provided at Stage 2 to the shortlisted applicants

Appendix B: Format for Queries/Request for Additional Information

It is preferred that the queries should be sent to the Authority at least 2 (two) business days before the scheduled pre-bid meeting at Patna. The envelopes or/and email communication shall clearly bear the following identification/ title:

"Queries/Request for Additional Information: National Expression of Interest for Consultancy Services for Comprehensive Design for Construction, Dr. A.P.J. Abdul Kalam Science City in Patna, Bihar, India"

S. N.	Page No.	Section No.	Text provided in EOI	Clarification sought with justification, if any
1	[.]	[.]	[.]	[.]
2	[.]	[.]	[.]	[.]
3	…	…	…	…