Smart City
INDORE
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DESIGN COMPETITION

PUBLIC LIBRARY

Indore Smart City Development Ltd. is seeking proposals for a new, landmark Public Library. This competition invites design professionals to submit innovative, sustainable, and universally accessible architectural concepts.

**Location :** Shri Atal Bihari Vajpayee Government arts ad commerce college, Indore

Project Vision:

The new Public Library is envisioned as a dynamic beacon of knowledge, culture, and innovation, reflecting Indore's commitment to progress and inclusivity. It will serve as a multi-generational learning environment, seamlessly blending traditional library functions with cutting-edge digital resources and community-centric spaces. The design must foster a welcoming, inspiring, and comfortable atmosphere conducive to reading, research, collaborative work, and public discourse. A paramount focus is placed on Universal Design principles, ensuring that the facility is fully accessible and usable by individuals of all ages and abilities, including those with physical, sensory, and cognitive disabilities. This includes comprehensive audio-visual assistance systems. Furthermore, the library must stand as a testament to Green Building principles, incorporating sustainable practices from its conceptualization through construction and long-term operation, minimizing environmental impact and promoting a healthier indoor environment.

Site Information:

Location : Shri Atal Bihari Vajpayee Government arts ad commerce college, Indore
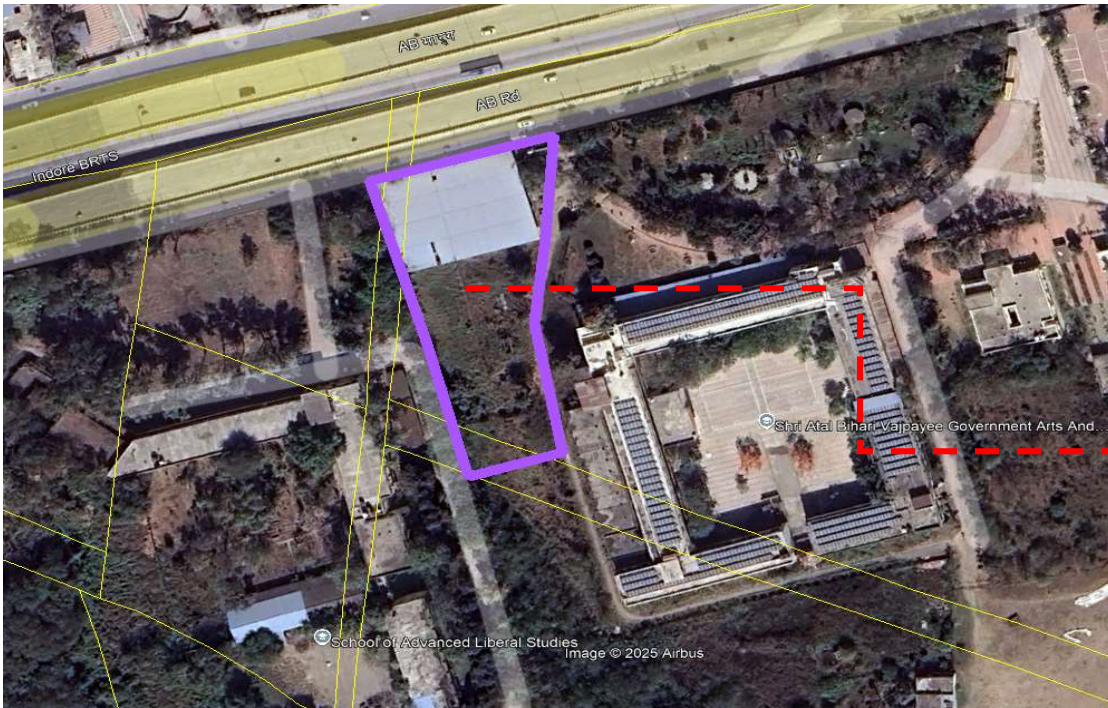
Proposed Site

LocationLink: :

Khasra No. 1628

Land Ownership – Madhya Pradesh Governement

Land Use – Public/Semi Public

Total Land Area (approx) – 40,000sqft

Key Requirements & Program Elements:

The design proposal must meticulously integrate the following programmatic elements and spatial functionalities, considering their symbiotic relationships, operational efficiencies, and user circulation patterns. The library building should accommodate **4000-5000 people at a time**.

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1. Library Core Facilities

- **Closed Library and Archive Space:**
    - **Main Collection Area:** Dedicated, **climate-controlled environments** for the systematic organization and preservation of diverse physical collections, including books, periodicals, and multimedia resources. Spatial planning must facilitate intuitive navigation and efficient shelving systems.
    - **Special Collections/Archives:** Secure, precisely controlled environments (humidity and temperature) for the conservation of rare books, historical documents, local archival materials, and valuable artifacts. This necessitates restricted access protocols and specialized storage solutions compliant with archival best practices.
- **Semi-Open Reading Area:**
    - Flexible, **naturally illuminated**, and optimally ventilated zones designed to offer an unconstrained and inspiring reading ambiance.
    - Integration of diverse seating typologies (individual carrels, collaborative tables, lounge areas), readily accessible power and data

outlets, and potential visual integration with landscaped outdoor areas or internal courtyards.

- **Digital Library Space:**
    - o A contemporary, technologically equipped space offering public access to networked computer workstations with **high-speed internet connectivity**.
    - o Integration of specialized software for advanced research, digital content creation, and design applications. This space should also support access to vast online databases, e-books, and digital archives.

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2. Community & Ancillary Services

- **Cafeteria:**
    - o A dynamic and inviting F&B establishment facilitating refreshments, light meals, and informal social interaction.
    - o Designed to serve both library patrons and the general public, potentially incorporating both indoor and al-fresco dining options.
    - o Includes a compact, efficient kitchen/preparation area and a well-designed service counter.
- **Retail:**
    - o Small-scale, thoughtfully integrated retail concessions that enhance the overall library experience.
    - o Examples may include a specialized bookstore, a stationery outlet, or a gift shop featuring educational merchandise.
    - o Should incorporate independent public access while maintaining a cohesive relationship with the library's overarching ambiance.
- **Reception Area:**
    - o A prominent and welcoming entry point serving as the primary information and orientation hub for visitors.
    - o Must include a clearly identifiable reception desk, waiting area, and digital/physical information displays.
    - o Designed for efficient visitor flow and initial security screening.
- **Staff Room:**
    - o Dedicated administrative offices, collaborative meeting rooms, and comfortable break areas for library personnel.
    - o Provision for secure storage of operational supplies.

3. Health & Well-being Facilities

- **Primary Health Facility:**
  - The proposed library design will strategically integrate an **Outpatient Department (OPD)** and a **Primary Treatment Centre** to serve the community of Indore, Madhya Pradesh. This initiative aims to enhance public health accessibility by offering essential medical services within a familiar and non-intimidating environment.
  - **OPD:** Includes consultation rooms, reception, basic diagnostic services (e.g., vital sign checks, pathology collection), and a pharmacy/dispensary.
  - **Primary Treatment Centre:** Equipped for minor procedures, wound dressing, basic injury management, and immediate first aid. This area should also include an observation space and basic life support equipment.
  - Both facilities must adhere to all local healthcare regulations, prioritizing **privacy, confidentiality, hygiene, and accessibility** for all users.

4. Event & Learning Spaces

- **Auditorium (2000 Capacity):**
  - A state-of-the-art facility capable of seating **2000 individuals**, designed for a wide range of cultural, educational, and community events, including theatrical performances, musical concerts, conferences, and lectures.
  - Requires a large, multi-functional stage with comprehensive backstage facilities (green rooms, changing rooms, storage, loading bay).
  - Emphasis on **high-performance acoustic design**, advanced lighting systems (stage and house), and robust audio-visual (AV) projection and sound systems with a dedicated control booth.
  - Must ensure full accessibility for all individuals, efficient crowd flow with multiple entry/exit points, and compliant fire safety measures.
- **Exhibition Hall:**
  - A flexible, column-free space designed for temporary and permanent exhibitions, art displays, cultural showcases, and public events.

- o Requires adaptable lighting systems (track lighting, spotlights), robust power outlets, and potentially climate control suitable for exhibiting various materials.
  - o Must accommodate diverse layouts and visitor flow, with clear signage and easy access.
- **Mini Conference Halls (2 No.):**
  - o Two distinct, well-equipped mini conference halls suitable for workshops, seminars, smaller lectures, and meetings.
  - o Each hall should be fitted with modern presentation technology (projectors, screens, sound systems, video conferencing capabilities), comfortable seating, and flexible furniture arrangements.
  - o Acoustic separation from other library areas is crucial to minimize disturbance.
- **Career Counselling Centre with Mock Interview Preparation:**
  - o A dedicated and supportive space offering career guidance services, including one-on-one counseling rooms, resource areas for career information, and dedicated quiet rooms or booths for **mock interview practice**.
  - o Equipped with basic AV tools for recording and playback of mock interviews, and access to relevant online career development platforms.
  - o Should foster a professional yet welcoming atmosphere conducive to learning and personal growth.

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5. Infrastructure & Support Services

- **Parking Lot:**
  - o Adequate and efficiently planned parking infrastructure for vehicular traffic (cars, two-wheelers) and bicycles, compliant with local urban planning regulations.
  - o Mandatory provision of clearly delineated and strategically located **accessible parking spaces** for persons with disabilities, positioned in immediate proximity to primary building entrances.
  - o Consideration of permeable paving solutions or other sustainable urban drainage systems.
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- **Toilet Blocks:**
    - **Universally accessible** restroom facilities strategically distributed across all accessible floor plates.
    - Inclusion of distinct male, female, and gender-neutral facilities, alongside dedicated accessible stalls adhering to international standards (e.g., grab bars, sufficient maneuvering clearances, appropriate fixture heights etc.).
    - Consideration for family restrooms equipped with infant changing stations.
- **Garden Area / Landscaped Zones:**
    - Integrated outdoor green spaces, courtyards, or rooftop gardens that provide aesthetic value, improve environmental quality, and offer opportunities for outdoor reading, relaxation, or small gatherings.
    - Should contribute to the building's overall sustainability strategy (e.g., stormwater management, biodiversity etc).

Design Principles & Considerations:

The architectural design of the proposed library must adhere to the following fundamental principles and considerations, ensuring a holistic and sustainable development that serves the community of Indore.

1. Universal Design (Design for All Abilities):

- Barrier-Free Circulation: Ensure unhindered horizontal and vertical circulation throughout the entire architectural volume, incorporating ramps with compliant slopes, elevators of adequate capacity and dimension, and wide door openings (minimum 91.4 cm or 36 inches) to accommodate all mobility aids.
- Tactile and Visual Cues: Implement tactile ground surface indicators at transitions and potential hazards, braille signage for spatial identification, and high-contrast, legible visual wayfinding systems (e.g., large print, color differentiation, universally recognized pictograms).
- Audio-Visual Assistance: Integrate induction loop systems in public gathering areas, provide screen reader software on public access terminals, offer large print and audio-format materials, and ensure accessible workstations with adjustable heights. Consideration for visual fire alarms and emergency notification systems.
- Ergonomics: Design service counters, shelving units, and seating elements at varying ergonomic heights to accommodate the diverse anthropometric requirements of all users, including children, adults, and individuals utilizing wheelchairs.
- Lighting and Acoustics: Implement uniform, glare-free illumination and sophisticated acoustic treatments to minimize reverberation and ambient noise, thereby enhancing comfort and comprehensibility for all, particularly those with hearing impairments.

2. Green Building Principles:

- Energy Efficiency: Maximize passive solar design strategies for natural daylighting and optimize cross-ventilation to reduce reliance on artificial illumination and mechanical cooling. Specify high-performance glazing, robust thermal envelopes, and energy-efficient HVAC systems. Explore the integration of on-site renewable energy generation, such as photovoltaic arrays.
- Water Conservation: Implement comprehensive rainwater harvesting systems for landscape irrigation and non-potable applications. Investigate greywater recycling for toilet flushing. Specify low-flow plumbing fixtures throughout the facility.

- Material Selection: Prioritize the specification of locally sourced materials to reduce transportation-related embodied energy. Select materials with high recycled content, low volatile organic compound (VOC) emissions, and those holding recognized environmental certifications. Emphasize materials with low embodied energy.
- Waste Management: Design for efficient waste segregation at source and facilitate on-site composting where feasible. Develop a robust construction waste management plan emphasizing reduction, reuse, and recycling.
- Indoor Environmental Quality: Ensure superior indoor air quality through optimized ventilation strategies, exclusive use of non-toxic building materials, and effective moisture control. Maintain comfortable thermal conditions and provide individual environmental controls where practicable.

3. Site Integration:

- Minimize ecological disturbance during construction. Preserve and enhance existing green spaces, incorporate native and drought-tolerant landscaping, and design for effective stormwater management to mitigate runoff and promote groundwater recharge.

4. Aesthetics and Context:

- The architectural expression should be aesthetically distinguished, aspiring to create an iconic landmark that embodies the progressive aspirations of Indore Smart City. Concurrently, the design must demonstrate acute sensitivity to the local climate, cultural heritage, and prevailing urban fabric, drawing inspiration from a fusion of traditional Indian architectural vernacular and contemporary design tenets. This approach aims to create a unique identity that is both deeply rooted in local context and forward-looking.

5. Flexibility and Future-Proofing:

- Design spaces with inherent adaptability to accommodate evolving library functions, technological advancements, and shifting community demands. Consider modularity, reconfigurable partitions, and adaptable infrastructure.

6. Safety and Security:

- Integrate comprehensive safety and security protocols, including advanced fire suppression systems, clearly demarcated emergency exits, efficient evacuation routes, integrated CCTV surveillance, and robust access control systems.

7. Technology Integration:

- Beyond the dedicated computer room, consider the implementation of smart building technologies for optimized energy management, enhanced security, and an enriched user experience (e.g., digital wayfinding kiosks, self-checkout systems).

Mandates:

All design submissions are strictly mandated to adhere to the following provisions:

- **Compliance with Local Building Codes:** The proposed design must demonstrate full compliance with all prevailing local building codes, zoning ordinances, and safety regulations promulgated by the Indore Municipal Corporation and other pertinent statutory authorities.
- **BVN Norms Adherence:** This mandate requires strict compliance with the Bhumi Vikas Niyam (BVN), which are the land development and building construction rules governing urban areas in Madhya Pradesh, including Indore. Participants must ensure their proposed design rigorously adheres to the parameters like the maximum allowable building footprint at ground level the overall permissible total built-up area across all floors etc.
- **Universal Accessibility Standards:** The design must rigorously meet or exceed all national and international standards pertaining to universal accessibility (e.g., Harmonized Guidelines and Space Standards for Barrier-Free Built Environment for Persons with Disability, CPWD, India, and equivalent international benchmarks).
- **Green Building Certification Target:** The design is required to target a minimum **[Specify target certification, e.g., LEED Gold, GRIHA 4-Star]** certification. Comprehensive documentation detailing the strategies and methodologies to achieve this certification must be an integral component of the Sustainability Report.
- **Cost-Effectiveness:** The design shall exhibit a judicious balance between innovative architectural expression and economic feasibility, considering both initial construction capital expenditure and long-term operational and maintenance costs.

Eligibility Criteria:

Participation in this design competition is open to architectural professionals and design firms that meet the following criteria:

Entrants can be single organizations or consortia.
Teams that enter as a consortium must nominate one organization as the lead entrant.

Entrants must be established as a legally incorporated organization to enter and one of the members should be registered with Council of Architecture.
The Challenge is open to innovators Nationwide, but entries must be in English.

Successful entrants must be willing and able to travel to the city of Indore as and when needed

Participants should demonstrate a proven track record of designing and executing projects of similar scale and complexity, particularly in public or institutional buildings. Evidence of relevant past projects may be requested during short listing.

Submission Requirements:

Participants are required to submit a comprehensive design package, comprising, but not limited to, the following deliverables:

1. **Architectural Drawings:**

   - Site Plan (1:500 scale) illustrating site context, vehicular and pedestrian access, parking layout, and landscape design.
   - Floor Plans for all levels (1:200 scale) with clear spatial demarcation, dimensional annotations, and furniture layouts.
   - Elevations (1:200 scale) depicting all building facades.
   - Sections (1:200 scale) illustrating vertical spatial relationships and primary structural systems.
   - Key Details (1:50 scale) highlighting critical design elements and specific accessibility features.
   - **All drawings must be dimensionally accurate, clearly annotated with material specifications, and explicitly demonstrate accessibility provisions.**

2. **3D Renders/Visualizations:** A minimum of five (5) high-resolution interior and exterior renders showcasing the design concept, material palette, lighting quality, and experiential spatial qualities.

3. **Sustainability Report (Maximum 2000 words):** A dedicated report detailing the proposed green building strategies, projected energy performance targets, water conservation methodologies, waste management plan, and material selection criteria. This report must include relevant calculations, diagrams, and supporting data

DETAILS

- **The estimated cost of the project shall remain 40 Cr.(approx)**
- The winning firm/firms will receive a **fixed consultancy fee of 3.60% (1.60% Architectural Consultancy fees + 2% Project Management Consultancy fees)** of the project cost
- The proposals to be mailed at smartcityindore16@gmail.com in PDF Format **on or before 15th August 2025**
- The shortlisted firms will be contacted to deliver presentation in person
- ISCDL guarantees the confidentiality of all submitted designs

Timeline

Launch of Competition	Entries Close	Announcement of Shortlisted firms	Presentation in Person	Winner's Announcement
26th July 2025	15th August 2025	20th August 2025	25th August 2025	30th August 2025

Marks Distribution Criteria

S.No.	Marks Distribution Criteria	Weightage (Marks)
1.	Concept & Design - Universal Design Implementation - Innovation - Green Building Principles - Functionality & Spatial Planning - Accessibility	50
	Feasibility & Cost-Effectiveness	20
5.	**FOR ONLY SHORTLISTED FIRMS -** Presentation and Communication	30

Scope of Work if Selected:

The winning entry will be granted the exclusive opportunity to advance their design in collaborative partnership with Indore Smart City. The comprehensive scope of work for the selected architectural professional/firm shall encompass, but not be restricted to, the following phases:

1. **Detailed Design Development:** Refinement and elaboration of the winning conceptual design into a comprehensive architectural scheme, incorporating feedback from the jury and key stakeholders. This includes detailed spatial planning, material specifications, and system integration.
2. **Preparation of Tender Documents & Detailed Estimate:** Production of complete architectural tender drawings, comprehensive technical specifications, a detailed Bill of Quantities (BOQ), and a comprehensive, itemized cost estimate for the entire project. This documentation shall be suitable for competitive bidding, construction procurement, budgetary planning, and securing financial approvals.
3. **Obtaining Statutory Approvals:** Provision of necessary architectural documentation and active assistance to Indore Smart City in securing all requisite statutory approvals and clearances from local governmental and regulatory bodies.
4. **Project Management Consultancy (PMC):** Provision of comprehensive project management services, encompassing planning, execution, monitoring, control, and closure of the project. This includes managing project scope, schedule, budget, quality, resources, communications, risk, and procurement, ensuring efficient project delivery and adherence to objectives.

Note* -

Indore Smart City Development Limited (ISCDL) reserves the sole and absolute right to make all decisions regarding the design competition. Any clarifications, additional details, or changes to the timeline will be communicated exclusively through the official ISCDL website and social media handles.

All listed details are provided as guidance and are subject to refinement and adaptation based on design innovation and subsequent discussions. Entrants are encouraged to propose optimized solutions.