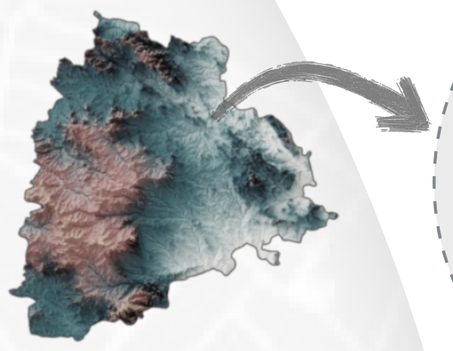
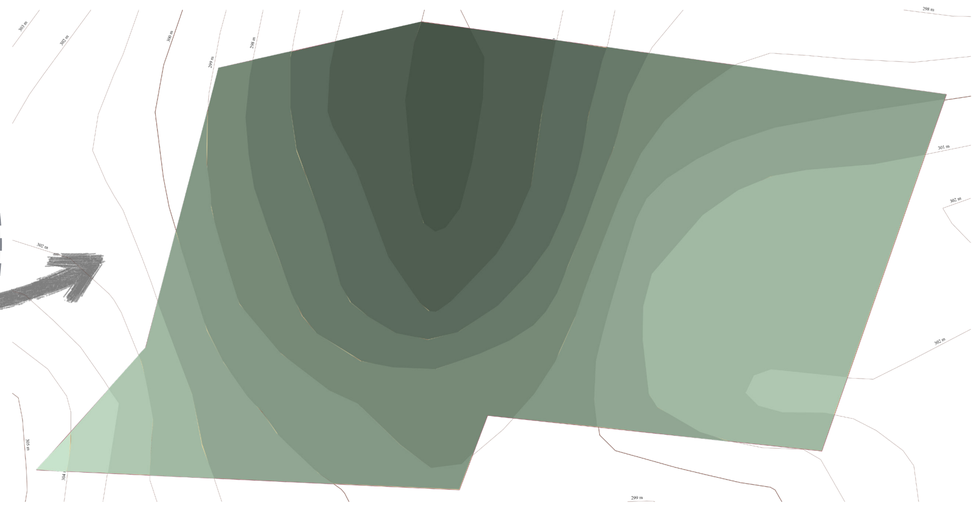








CONTOUR MAP

SITE BRIEF

Site Area: 10 acres 40,468 sq.m.

Permissible FAR: 2.0 (as per Telangana Building Rules, non-residential public/institutional)

Permissible Built-up Area: ~80,936 sq.m

Ground Coverage: 40% → 16,187 sq.m. (-174,300 sq.ft.)

Front Setback: 9 m

Side Setback: 7 m

Rear Setback: 7 m

Permissible Height: 45 m (subject to AAI/NOC & fire NOCs).

Parking Norms :1 ECS / 50 sq.m. of convention area

Area Program

Sl. No.	Description	Area In sq.ft
A	**Convention Centre (2,500 Pax)**	**50,000**
I	Convention cum Exhibition area	30,000
II	Small Meeting rooms	2,000
III	Large Meeting rooms	5,000
IV	Business Centre	5,000
V	Pre-function and Circulation Spaces	8,000
B	**Business Hotel (150 Keys)**	**150,000**
C	**Entertainment and F&B**	**50,000**
	Total	**250,000**
D	**Parking**	As per GO 168 Surface Parking

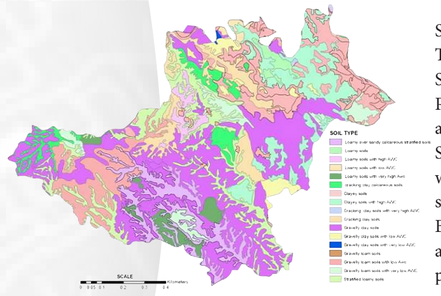
INTRODUCTION

The proposed Convention Centre is envisioned as a landmark public facility in Warangal, designed to host large-scale conferences, exhibitions, cultural events, and social gatherings. Spanning 10 acres (40,468 sq.m) along the Warangal–Bhopalpatnam Road, the site offers excellent connectivity and visibility. As per Telangana Building Rules, the project allows a permissible FAR of 2.0, enabling a built-up potential of approximately 80,936 sq.m. With a ground coverage of 40%, efficient setback margins, and a permissible height of 45 m, the site provides ample scope for vertical and horizontal development. Adequate provision for parking (1 ECS per 50 sq.m of convention area) further supports its functionality.

The convention centre aims to create a state-of-the-art urban destination, blending modern architectural expression with sustainable planning principles to accommodate diverse public and institutional needs.

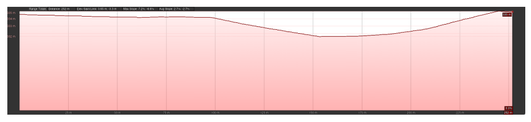
Project Site Attributes	
Location	Sy. No. 1791/ 1 of Madikonda (V) Warangal (U) District
Site Area	~ 10 acres (40,468 sq. m.)
Primary Access	NH 163
Visibility & Frontage	Excellent Visibility and Frontage along abutting roads ; contiguous site
Shape, Terrain	Regular and mostly flat
Project Site Boundary	
North	Vacant land
South	Vacant land
East	NH 163 Access road
West	Dharmasagar Canal

SOIL ANALYSIS

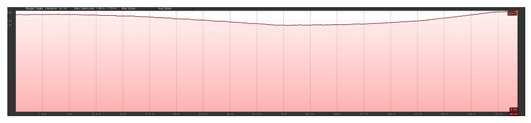


SOIL TYPE : Red Sandy loam Soil
TOPOGRAPHY : Flat to gently sloping (1–3%).
SOIL CONSERVATION : Tree cover (Neem, Babul, Prosopis) helps prevent erosion. Proper drainage and harvesting to avoid waterlogging.
SOIL PROFILE – Predominantly red sandy clay with weathered granite/gneiss at depth; possible pockets of black cotton soil (expansive).
BEARING CAPACITY – Medium-strength soils; allow shallow foundations/rafts on improved strata; piles if expansive or weak layers encountered.

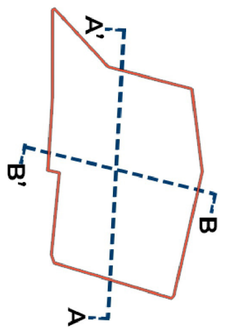
SITE SECTION



SECTION AA'

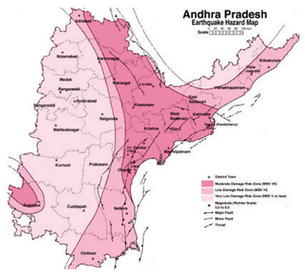


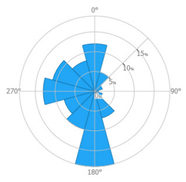
SECTION BB'



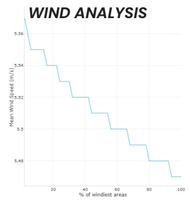
EARTHQUAKE ANALYSIS

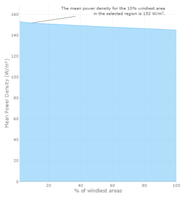
- Low Risk
- Located on the stable Deccan Plateau.
- Seismic hazard-low (flat terrain)
- Mitigation Strategies:
- Falls under Seismic Zone III (Moderate risk) as per IS 1893-1:2016.
- Zone Factor (Z) = 0.16 to be used in seismic design.
- Reference PGA ~0.08 g, based on site-specific hazard studies.





WIND ANALYSIS





EXISTING VEGETATION

BABOOL



- Ecological Role: Dryland tree, strong roots stabilize soil.
- Medicinal Use: Bark & gum used in dental care, wound healing.
- Other Uses: Timber, gum (arabic gum), fodder.

PALM



- Ecological Role: Thrives in hot, dry climates; stabilizes open soils.
- Landscape Use: Avenue and ornamental planting.
- Other Uses: Provides fruits, leaves for local utility.

PROSOPIS JULIFLORA (Vilayati Babul)

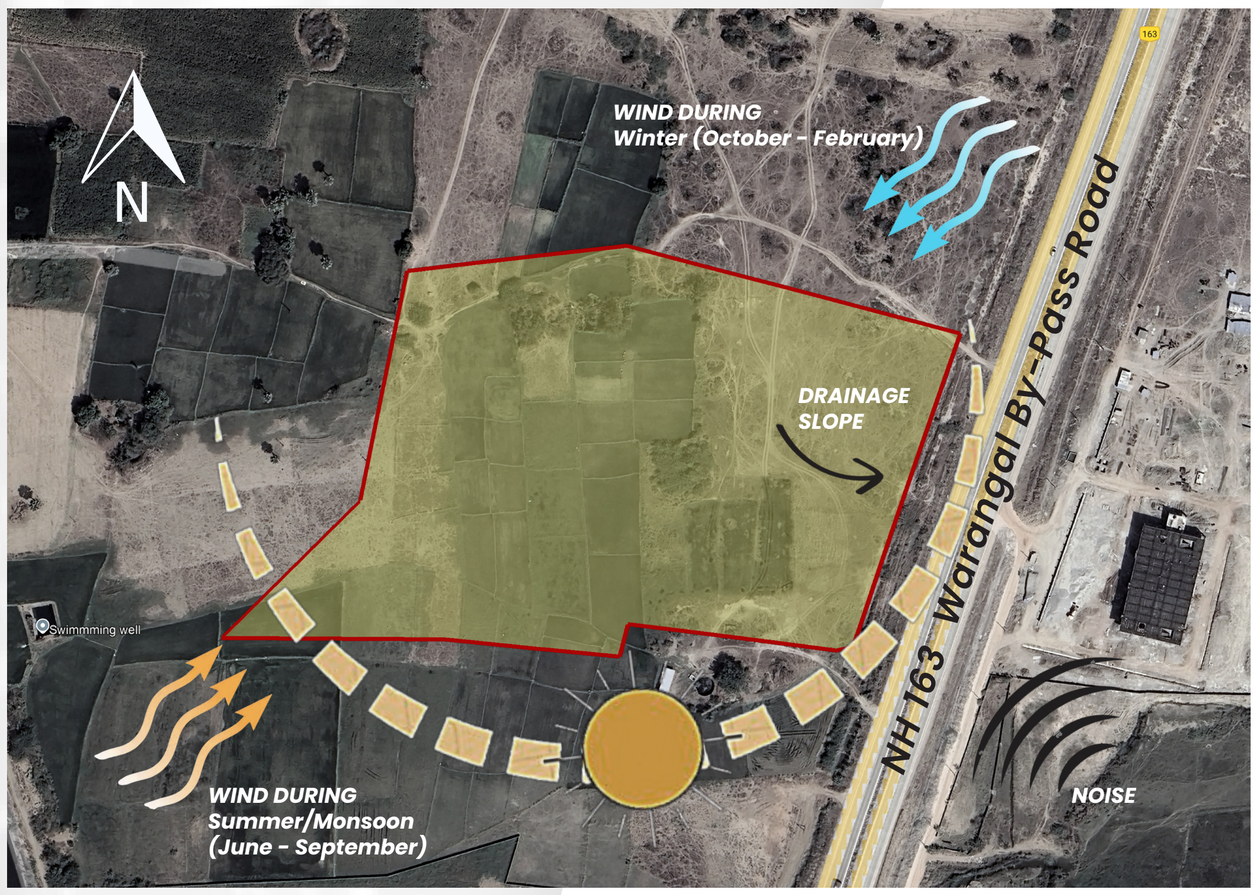


- Ecological Role: Dryland tree, strong roots stabilize soil.
- Medicinal Use: Bark & gum used in dental care, wound healing.
- Other Uses: Timber, gum (arabic gum), fodder.

NEEM



- Ecological Role: Shade-giving, drought-resistant, improves soil fertility.
- Medicinal Use: Treats skin ailments, acts as antiseptic.
- Other Uses: Natural pesticide, culturally significant.



SITE DISCRIPTION

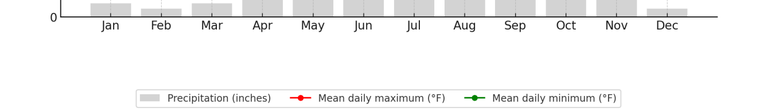
Proposed Project: WICC cum 3-Star Hotel
Site Location: IT Park, Madikonda, Warangal, Telangana
Site Area: ~10 Acres (≈ 40,000 sq.m.)
Site Coordinates: 17°57'26.3"N, 79°26'51.3"E
Tender Publish Year: 2022
Authority: IALA Warangal (Telangana Government / APIIC / TSIIC)
Objective: Promote MICE tourism, business events, and cultural exchange in Warangal.
Expected Impact: Generate employment, boost economy, strengthen Warangal's cultural & business identity.



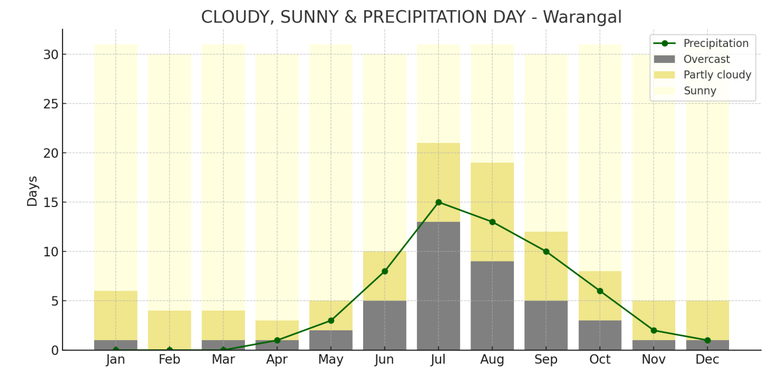


SITE CONNECTIVITY

Distance from Warangal City	~12 km
Nearest Airport	Rajiv Gandhi International Airport,
Nearest Railway Station	Kazipet – 8 km; Warangal – 12 km
Nearest Bus Station	Warangal Central Bus Station – 13 km
Warangal Fort	15 km
Thousand Pillar Temple	12 km
Bhadrakali Temple	13 km
Kakatiya Kala Thoranam	14 km
Pakhal Lake	50 km



The mean daily maximum (red line) in Warangal reaches its peak in April–May (~40–42°C) before falling during the monsoon months June–September (~30–32°C). The mean daily minimum (green line) ranges from 16°C in winter (Dec–Jan) to around 25°C in summer nights (May–June). Precipitation is very low in Nov–Apr, rises sharply with the southwest monsoon (Jun–Sep, peaking in Jul–Aug ~150–180 mm), and tapers off by October.



The climatic data for Warangal shows a predominantly sunny climate throughout most of the year, with 25–27 sunny days per month from November to May. The monsoon season (June to September) brings a sharp increase in overcast and precipitation days, with July experiencing the maximum rainfall and cloud cover. During this period, sunny days reduce significantly to around 10–12 days per month. Partly cloudy days are more frequent during the monsoon and post-monsoon transition months. After October, the weather clears rapidly, restoring bright, dry conditions.

Overall, Warangal experiences a hot semi-arid climate, with long dry summers and a short but intense monsoon season.

S

- Strategic Location: Direct frontage along Warangal–Bhopalpatnam Road ensures high visibility and connectivity.
- Large Site Area (10 acres): Provides flexibility for zoning, landscaping, and future expansion.
- Regulatory Potential: Permissible FAR of 2.0 and height up to 45 m allows significant built-up development (~80,936 sq.m).
- Ground Coverage (40%): Enables integration of built and open spaces, suitable for large gatherings and outdoor events.
- Proximity to Canal & Green Zone: Adds potential for scenic landscaping and eco-friendly site planning.

W

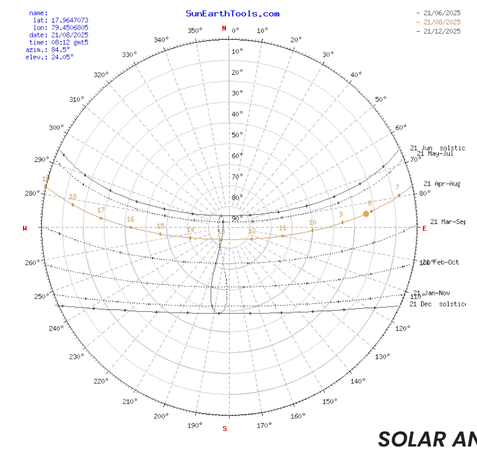
- Peripheral Location: Slightly away from Warangal's core urban hub, may limit spontaneous footfall.
- Dependence on Road Connectivity: Lack of immediate rail/air transport nearby could limit accessibility for large international events.
- Flat Agricultural Surroundings: Limited natural topographical features to enhance site aesthetics.
- Seasonal Climate Constraints: High summer temperatures (up to 45°C) demand heavy reliance on climate-responsive architecture.

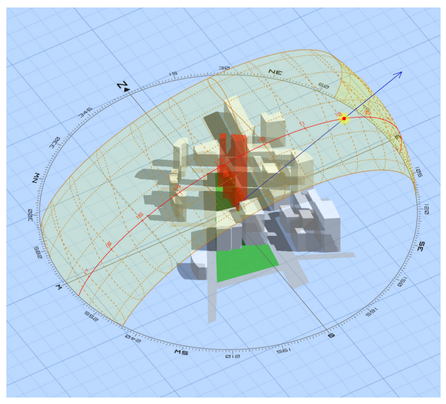
O

- Emerging Growth Corridor: Warangal is evolving as a tier-2 city, increasing demand for convention and exhibition facilities.
- Tourism & Heritage Potential: Proximity to Warangal Fort, Thousand Pillar Temple, and Ramappa Temple (UNESCO site) can attract cultural tourism-based conventions.
- Institutional Support: Scope for government-backed public infrastructure projects, attracting investment.
- Integration with Urban Development: Can act as a catalyst for surrounding real estate, hospitality, and commercial growth.
- Sustainability Showcase: Opportunity to design as a green-certified facility with energy-efficient strategies.

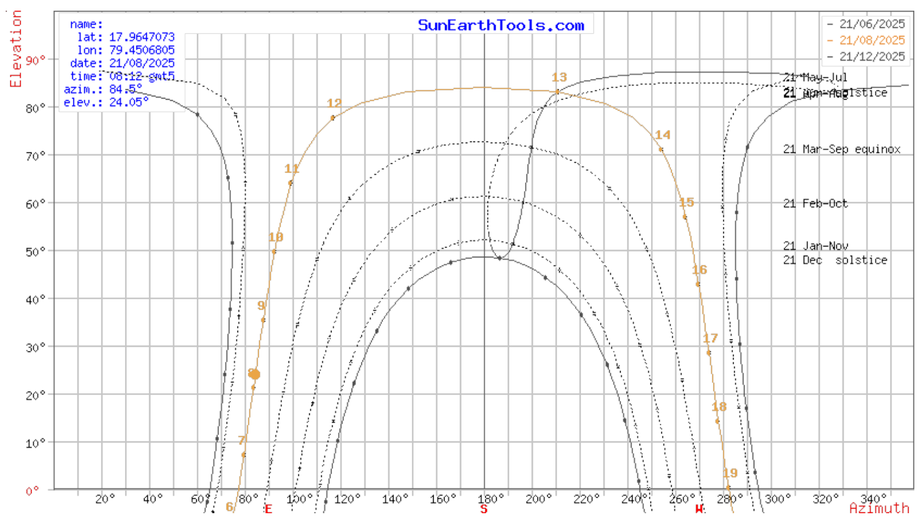
T

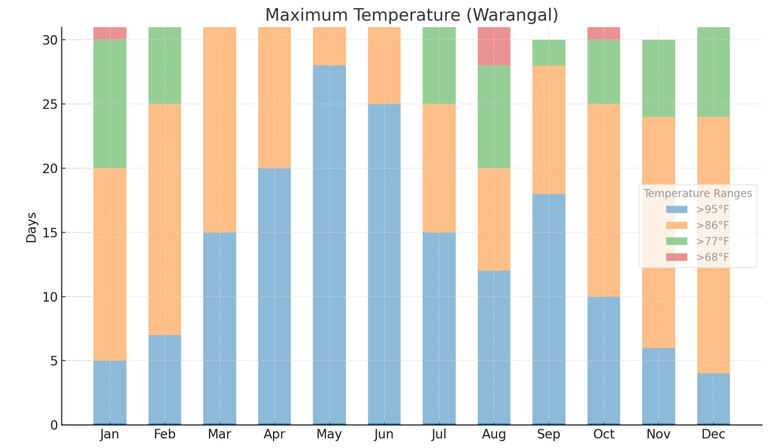
- Competition: Rising convention facilities in Hyderabad may divert large-scale events.
- Regulatory Delays: Permissions (AAI/NOC, fire safety, environmental clearances) could slow down execution.
- Traffic Congestion: Increased vehicular movement during events could overload Warangal–Bhopalpatnam Road.
- Environmental Risks: Seasonal flooding risk from the nearby canal and changing climate patterns.
- Market Uncertainty: Demand fluctuation for large conventions post-pandemic or during economic downturns.





SOLAR ANALYSIS





The maximum temperature diagram for Warangal illustrates the number of days per month falling within different temperature ranges. The city experiences a predominance of high temperatures, with summer months (March–June) showing the maximum days above 95°F, reflecting Warangal's hot and dry climate. During the monsoon (July–September), the frequency of days above 95°F decreases, with most days falling in the 86–95°F range due to cloud cover and rainfall. Winter months (November–February) record comparatively fewer hot days, with temperatures largely between 68–86°F, indicating a mild and comfortable climate. Overall, the chart emphasizes Warangal's sharp seasonal contrasts—extremely hot summers, moderated monsoon conditions, and pleasant winters.

HARBOR CENTRE

SITE ANALYSIS

HARSHIT RAY
211110225
SEC-B IX SEM

SHEET 01












The India Habitat Centre in New Delhi is designed as a network of shaded courtyards, terraces, and interconnected blocks that foster both functionality and interaction. The complex emphasizes passive cooling through the use of jaalis, abundant vegetation, and shaded walkways, creating a comfortable microclimate while reducing energy demand. As a mixed-use development, it seamlessly integrates conference facilities, cultural venues, art spaces, and offices within one cohesive environment. Its planning approach is centered on flexibility, with interconnected indoor and outdoor zones that accommodate a wide variety of events and activities. Structurally, the complex consists of medium-rise, horizontally spread blocks linked by shaded circulation paths, promoting accessibility and movement across the site. Materiality plays a crucial role, with brick, stone, and jaalis not only mitigating heat but also embedding cultural resonance in the built form. The user experience is enriched through landscaped courts, shaded seating areas, and art integration, transforming the space into more than just a functional center.

Yashobhoomi is a mega-scale facility designed with multi-modal connectivity, ensuring easy access for national and international visitors. The architecture merges cultural design elements with modern materials, creating a balance between tradition and contemporary expression. Sustainable systems such as rainwater harvesting, wastewater recycling, and solar integration are central to its functioning, reducing environmental impact and enhancing efficiency. The planning emphasizes zoning for a wide range of event scales, from large exhibitions to small meetings, ensuring versatility and adaptability. Structurally, the complex incorporates modular expansion capabilities, allowing for future scaling as demand grows. In terms of materiality, local identity motifs are blended with high-tech systems to create a unique and culturally rooted yet technologically advanced environment. The user experience is enhanced through clear wayfinding, abundant amenities, and integrated transport drop-offs, making it a seamless and convenient venue for diverse audiences.

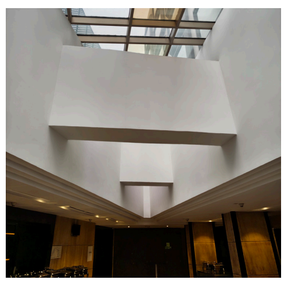


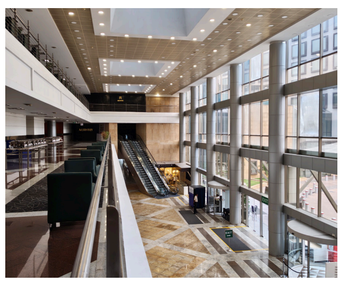


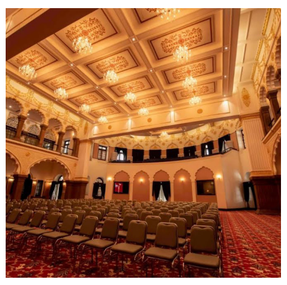
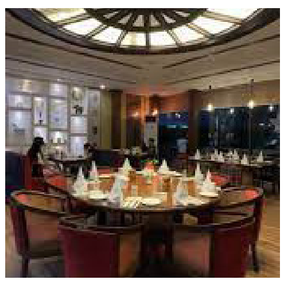
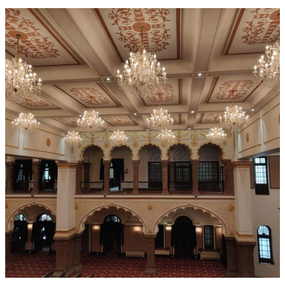
Hyderabad International Convention Centre is a state-of-the-art facility designed around a vast column-free hall of 6,480 sq.m., offering flexible partitions that allow the space to be adapted for events of varying scales. Equipped with advanced acoustics, integrated AV systems, and efficient climate control, the center ensures a high-quality environment for conferences, exhibitions, and cultural gatherings. A key feature of its planning is the provision of one or two large flexible halls with movable walls, allowing scalability and versatility. Structurally, the building relies on long-span steel trusses or space frames to achieve unobstructed interiors that maximize usability. Materiality combines practical finishes such as acoustic panels and high-performance glass with local materials on the exterior, balancing functionality with regional identity. The user experience is carefully curated, with seamless visitor movement from arrival to the event hall, while VIP and service accesses are separately integrated to ensure smooth operations and convenience for all categories of users.

Minto Hall in Bhopal is a remarkable example of adaptive reuse, where a heritage structure has been transformed to serve as a convention facility while retaining its historic essence. The design achieves a delicate fusion of colonial architecture with modern conference amenities, ensuring that the building's character is preserved even as it accommodates contemporary functions. The planning approach focuses on highlighting and integrating unique site features, such as mature trees and water edges, into the overall layout to enhance its contextual identity. Structurally, the project juxtaposes traditional architectural forms with modern interiors wherever necessary, creating a balance between preservation and functionality. Materiality plays a key role in reinforcing cultural resonance, with heritage-inspired finishes such as local stone and intricately carved screens enriching the architectural expression. The user experience goes beyond functionality, offering an immersive environment where the venue is not merely a convention space but a memorable destination that embodies both history and modernity.





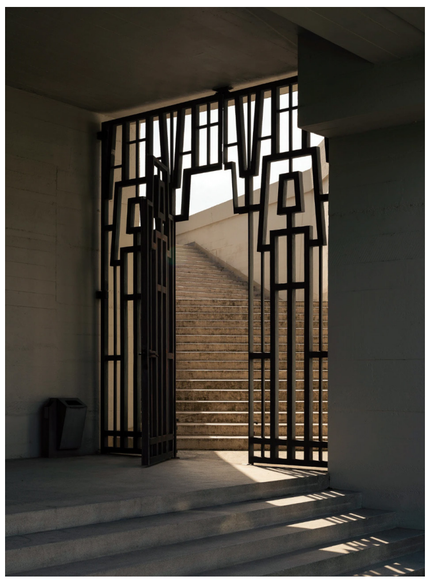
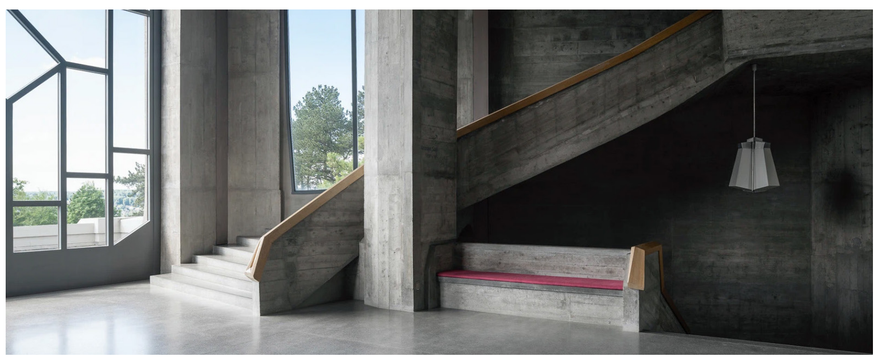
COMPARITIVE ANALYSIS

Attribute	India Habitat Centre (Delhi)	bad International Convention Centr	Yashobhoomi (Dwarka, Delhi)	Minto Hall (Bhopal)	Goetheanum (Switzerland)
Location	Lodhi Road, New Delhi, India	Hyderabad, India	Dwarka, New Delhi, India	Bhopal, India	Dornach, Switzerland
City & Country Context	Capital city, institutional hub	IT & business hub	Emerging business district	Heritage core city	Countryside near Basel
Architect / Designer	Joseph Allen Stein	RMJM (UK) + Shapoorji Pallonji	CPWD + Larsen & Toubro	Col. Swinton Jacob (1909), MP Govt (2018 restoration)	Rudolf Steiner
Year of Completion	1993	2006	2023 (Phase 1)	1909 / 2018	1928
Project Cost / Funding Model	Institutional + Govt. support	PPP model with Novotel	Govt. of India mega-project	State-funded restoration	Anthroposophical Society funds
Site Area	9 acres (36,000 sqm)	15 acres	89 hectares (220 acres)	~2.5 acres	45 hectares
Built-up Area	92,000 sqm	27,000 sqm + 287-room Novotel	600,000 sqm (planned)	6,000 sqm	Great Hall + other buildings
Height / Floors	Mid-rise (G+5)	G+3, high-span halls	Large-span halls	G+2	Multi-level sculptural forms
Seating Capacity / Occupancy	~1,500 (auditoria)	6,500 divisible hall	10,000+ seating	1,000 approx	1,500 (Great Hall)
Project Type	Mixed-use Institutional (Offices + Convention + Cultural)	International Convention & Exhibition	Convention + Expo + Retail + Hospitality	Adaptive Reuse – Heritage Convention	Expressionist Cultural & Performance
Purpose / Function	Institutional, cultural, offices	MICE tourism, corporate events	Mega events, G20, expos	Civic / convention reuse	Cultural, spiritual, educational
Climatic Zone & Response	Composite (Delhi) → courtyards	Hot semi-arid (AC-based)	Composite (Delhi) → green tech	Hot semi-arid (thick walls, ventilation)	Temperate continental → thick walls, skylights
Orientation & Site Planning	Courtyards, shaded pathways	Axis linked to hotel	Axial, monumental plazas	Symmetrical colonial planning	Free-form, organic massing
Accessibility & Connectivity	Lodhi Road, metro nearby	Near airport, IT corridor	Metro, airport express, highways	Central city, road access	Remote countryside
Parking & Transport Integration	Basements + surface	Integrated with hotel	3,000+ cars, smart parking	Limited	Peripheral lots
Entry / Exit & Circulation	Multiple shaded pedestrian entries	Grand porte-cochère + halls	Large public concourses	Heritage entry porch	Organic, non-linear entries
Zoning / Functional Distribution	9 Blocks, linked by courtyards	Halls + breakout + banquet	Multipurpose halls, expo + retail	Assembly hall + banquet + meeting rooms	Great Hall + Small Hall + studios
Integration with Surroundings	Blends with Lodhi Estate greenery	Urban hotel complex	New urban hub in Dwarka	Landmark in heritage precinct	Set in natural hill landscape
Cultural / Historical Significance	Hub for arts & institutions	First world-class convention in India	India's flagship mega convention	Colonial assembly turned convention	Global Anthroposophy centre
Architectural / Philosophical Influences	Stein's modernism + climate design	International corporate-modern	Neo-monumentalism + sustainability	Indo-Saracenic revival	Expressionism, organic forms
Form Development / Massing	Low-rise, human-scaled blocks	Rectilinear, efficient mass	Monumental, iconic	Colonial symmetry	Sculptural concrete shells
Spatial Planning Principles	Courtyards & shaded walkways	Flexible modular halls	Multi-use, divisible halls	Heritage central hall focus	Non-orthogonal, fluid geometry
Innovative Features	Passive cooling courtyards	6,500 divisible hall	ICT, retractable seating, LEED	Adaptive reuse restoration	No right angles, sculpted concrete
Materials & Structure	RCC, exposed brick, stone	RCC + steel, long-span	RCC + steel, advanced façade	Stone, brick, timber	Reinforced concrete, handcrafted
Façade Treatment	Exposed brick + shading	Glass + metal panels	Smart façades, monumental	Colonial stonework	Sculptural, window slots
Passive Design Strategies	Courtyards, pergolas	Limited (AC-heavy)	Daylight optimization, water reuse	Thick masonry walls	Skylights, natural acoustics
Active Systems	Mechanical + natural mix	Advanced HVAC	Smart ICT + HVAC	Limited	Minimal tech, natural reliance
Sustainability / Certifications	Microclimate, vegetation	Not LEED rated	LEED Platinum certified	Heritage reuse	Embodied sustainability
Landscape Design	Stein's lush greens, plazas	Lawns, integrated hotel gardens	Plazas, water bodies, urban greens	Minimal gardens	Hill landscape, biodynamic farms
Interior Design / Furnishing	Functional, modernist	Corporate banquets, halls	Smart interiors, ICT-ready	Restored heritage interiors	Organic sculpted interiors
Acoustical Design	Auditoriums designed for clarity	Acoustic partitions	Advanced acoustic treatment	Natural reverberation	Great Hall designed for acoustics
Safety & Security	Fire exits, shaded refuge	Fire + security protocols	Smart evacuation systems	Retrofitted fire exits	Thick masonry + safe forms
User Facilities	Libraries, restaurants, auditoria	Banquets, hotel, exhibition	Retail, auditoria, expo, F&B	Banquet + meeting halls	Auditoria, housing, studios
Universal Accessibility	Wheelchair access, ramps	Fully accessible	Advanced accessibility features	Basic retrofitting	Limited (historic era)
Heritage / Adaptive Reuse	Not applicable	New build	New build	Assembly Hall → Convention	Philosophy-driven new build
Technology Integration	Conference tech, ICT	ICT-enabled	AI + ICT + smart systems	Minimal	Symbolic, less tech
Other Unique Features	Cultural hub of Delhi	First PPP model in India	India's G20 venue	Adaptive reuse icon	World centre of Anthroposophy
Inferences / Learnings	Climate + culture balance	Flexible, corporate scale	Futuristic, mega-scale, sustainable	Heritage adaptation	Expressionist 'flow & confluence'

Event Category	India Habitat Centre (Delhi)	HICC (Hyderabad)	Yashobhoomi (Delhi)	Minto Hall (Bhopal)
Conferences & Summits	National & international policy dialogues, corporate meets	Corporate conferences, business summits	Mega conventions, international summits	State-level conferences, administrative meetings
Exhibitions & Trade Fairs	Art exhibitions, cultural expos	Trade shows, product expos	Large-scale international trade fairs & expos	Small-scale exhibitions
Cultural Events	Theatre, music, dance, film screenings	Cultural galas, performances	Cultural festivals, heritage events	Local cultural programmes
Academic & Intellectual Events	Seminars, book launches, intellectual discourses	Limited (mainly business focus)	Limited (mostly business/diplomatic)	Academic seminars
Government & Diplomatic Events	Rare, mostly policy forums	Limited	Major diplomatic & government events	Government meetings
Social Events (Weddings, Public Gatherings)	Limited	Weddings, banquets	Social & public gatherings (with large halls)	Public gatherings, ceremonies

	India Habitat Centre (Delhi)	Hyderabad International Convention Centre	Yashobhoomi (IICC, Delhi)	Minto Hall (Bhopal)
Planning	Interconnected courtyards, shaded walkways, indoor–outdoor integration	Large flexible halls with movable partitions, direct hotel link	Mega-scale zoning for exhibitions to small meetings	Adaptive reuse with site-sensitive layout
Structure	Medium-rise, horizontally spread blocks with shaded circulation	Long-span steel trusses or space frames for column-free interiors	Modular structure enabling future expansion	Local stone, carved screens, heritage finishes
Materiality	Brick, stone, jaalis for cultural and climatic response	Acoustic panels, high-performance glass, local finishes externally	Local identity motits and molern materials	Local stone, carved screens, heritage finishes
User Experience	Courtyards, shaded seating, cultural integration encourage lingering	Seamless movement, advanced AV systems separate VIP/service access	Convenient wayfinding, amenities, and transport integration	Immersive heritage settting with modern comfort
Key Takeaway	Climate-responsive,	Functional, tech-driven	Mega-scale, sus-	Heritage-sensitive

GOETHEANUM (SWITZERLEND)

CONCEPT BRIEF

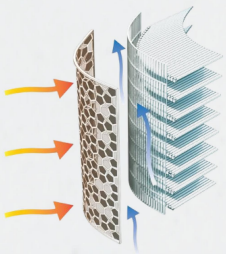
Theme

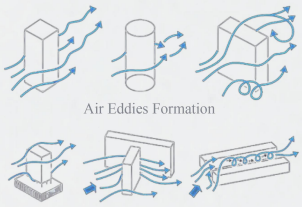
Expressionism through Flow & Confluence

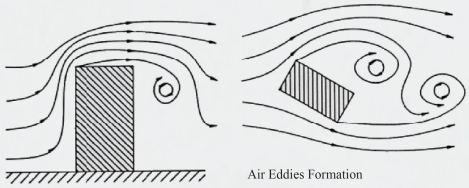
The Warangal Convention Center is conceived as a sculptural expression of movement and convergence, shaped by the coming together of people, ideas, and cultures—much like streams merging into a river. Drawing inspiration from the dynamic flow of the adjacent Dharmasagar Canal, the design takes form through curvilinear layouts, fluid rooflines, and organic massing. Visitors are led through a sequence of interconnected indoor and outdoor spaces that culminate in vibrant nodes such as plazas and central halls. Light filters through Kakatiya-inspired jaali screens, casting rippling patterns that evoke water, while reflective pools, shaded courtyards, and landscaped promenades enrich the sensory and microclimatic experience. Local stone anchors the project in regional identity, while advanced structural systems allow for expansive, flexible spaces that host exhibitions, conferences, and cultural gatherings.



Kakatiya-inspired jaali



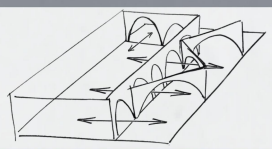




Air Eddies Formation

Design Philosophy

The architectural approach is rooted in context-responsiveness, weaving natural site features like the canal and open terrain with strategies for Warangal's tropical climate. It carries forward cultural continuity by drawing from Telangana's craft traditions and Kakatiya-era stonework in form and detail. Sustainable resilience is embedded through passive cooling systems, rainwater harvesting, and landscape integration to minimize environmental impact. Above all, the project prioritizes a user-centric planning approach, ensuring smooth circulation, intuitive wayfinding, and adaptability to accommodate events of varying scales.

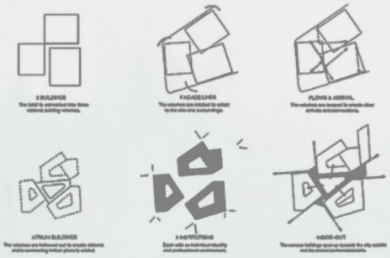


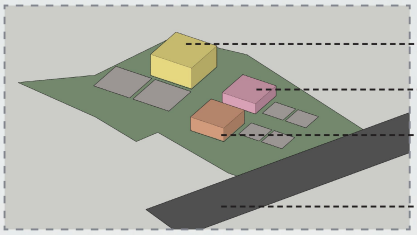
Design Approach

The planning is shaped by the principle of flow, with an arrival plaza along the highway leading to public and exhibition zones at the front, convention halls centrally placed, and services at the rear. The western edge becomes a landscaped waterfront, integrating canal views and microclimatic cooling through shaded courtyards, breezeways, and water features.

The structure reflects the canal's fluidity, using curving edges, large-span column-free halls with steel trusses, and tensile roofs for outdoor events. Materiality blends tradition and modernity—local stone, brick, and jaali screens inspired by Kakatiya motifs combine with steel, glass, and sustainable finishes like solar panels and fly-ash bricks.

The user experience emphasizes functionality and immersion, with shaded plazas, intuitive circulation, naturally lit foyers, acoustically treated halls, and a canal-facing amphitheatre. Inclusive design ensures barrier-free access, shaded seating, and universal comfort for all visitors.like passive ventilation, rainwater harvesting, and solar integration.





Business Hotel	AREA 2322.57 sqm
Entertainment	AREA 1548.37 sqm
Convention Centre cum Exhibition Centre	AREA 1548.37 sqm
NH 163 Warangal By-Pass Road	





Concept Narrative

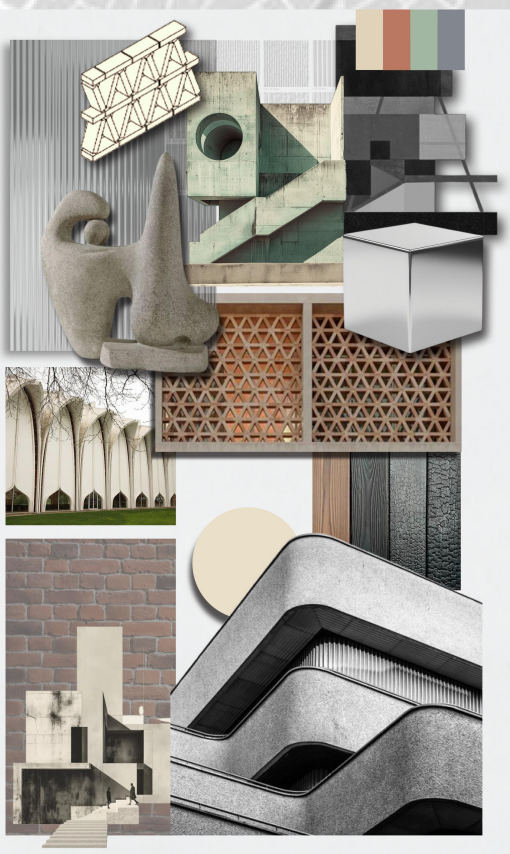
Emerging from the site's natural patterns—the flowing canal, the expansive flat terrain, and the rhythm of seasonal heat and monsoons—the Warangal Convention Center aspires to become a cultural and economic artery. Much like the canal that nourishes its surroundings, the center will bring together diverse communities within a space that is deeply contextual, environmentally responsible, and architecturally inspiring.

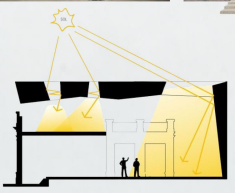


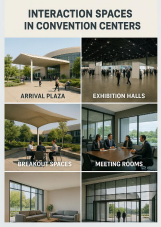


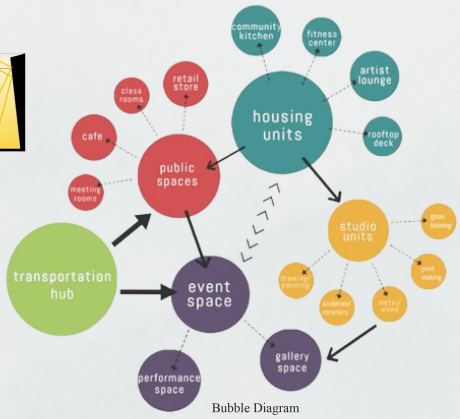






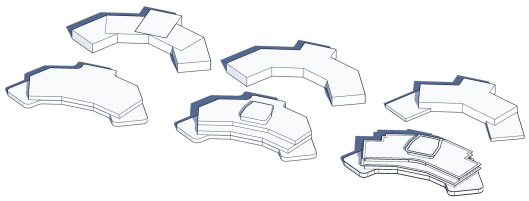






Bubble Diagram

FORM EVOLUTION



SITE ANALYSIS

CLIMATE

Hot semi-arid climate, high summer temperatures, intense monsoon rain

SOIL & TOPOGRAPHY

Red sandy loam, medium bearing capacity flat to gently sloping

NATURAL FEATURES

Trees, proximity to canal, opportunities for landscape design

CONNECTIVITY & ACCESS

Major road frontage, access, parking, public transport

CASE STUDY INFERENCES

FLEXIBLE SPACES

Large, adaptable halls with mova-ble walls

INTEGRATED DESIGN

Sustainable systems, local materials

USER EXPERIENCE

Seamless circulation, intuitive wayfinding

SCALABILITY

Modular expansion capability

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SEC-B IX SEM

CONVENTION CENTRE

Convention Centre cum Exhibition Centre(2500 Pax) - 4645.1 sq.m			
Space Description	**Area (sq.m)**	**No. of Units**	**Remarks**
Convention Hall (Main)	2787	1	For 2500 pax (approx. 1.1 sq.m/pax)
Small Meeting Rooms	185.8	2–4	~46–90 sq.m each
Large Meeting Rooms	464.5	1–2	~230–464 sq.m each
Business Centre	464.5	1	With workstations, booths
Pre-function & Circulation	743.2	—	Lobby, foyer, corridors
Entertainment and F&B- 4645.1 sq.m			
Space Description	**Area (sq.m)**	**No. of Units**	**Remarks**
Restaurants (Fine + Casual Dining)	1500	2	Includes fine dining and casual restaurants
Food Court Area (Multiple Counters)	800	1	Shared seating for multiple vendors
Cafeteria / Coffee Shop	400	1	Quick service, coffee/snack bar
Multiplex / Mini-Theatre	800	1	1–2 screens with ~100–150 seats each
Gaming & Entertainment Zone	500	1	Arcade, VR zone, bowling alley
Vertical & Horizontal Circulation	395.1	—	Corridors, staircases, lifts
Toilets & Service Core	250	—	Restrooms and service shafts
Total	4645.1		
Banquet hall – ~3065 sq.m (added extra to the facilities)			
Space Description	**Area (sq.m)**	**No. of Units**	**Remarks**
Main Banquet Hall	1800	1	For ~1200–1300 pax (banquet seating)
Pre-function Area	500	1	Entry foyer, waiting lounge
Service Area (Pantry, Scullery)	200	1	F&B support spaces
Green Rooms / VIP Rooms	150	2	For performers, VIPs, or bridal suite
Cloak Room & Toilets	150	2	Guests' facilities
Circulation (Vertical & Horizontal)	200	—	Corridors, staircases, lifts
Storage / Utility / HVAC	65	—	Mechanical, storage, and support systems
	Total	3065	

SITE BYE LAWS DATA

Site Area: 10 acres
40,468 sq.m.

Permissible FAR: 2.0
(as per Telangana Building Rules, non-residential public/institutional)

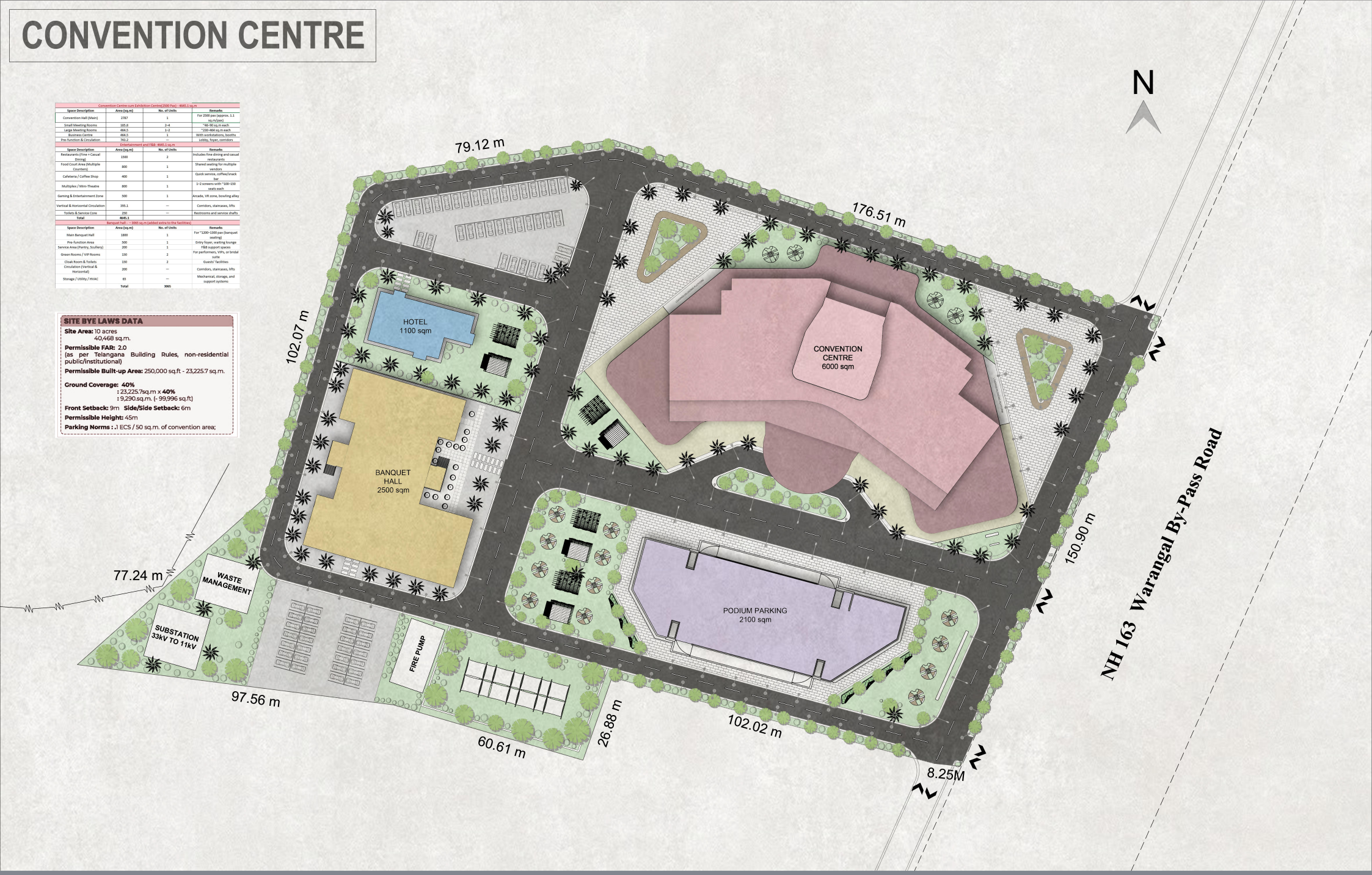
Permissible Built-up Area: 250,000 sq.ft - 23,225.7 sq.m.

Ground Coverage: 40%
: 23,225.7sq.m x **40%**
: 9,290.sq.m. (- 99,996 sq.ft)

Front Setback: 9m **Side/Side Setback:** 6m

Permissible Height: 45m

Parking Norms : 1 ECS / 50 sq.m. of convention area;



HARBOUR CENTRE SITE PLAN

GUIDED BY–
DR. KAVITA DEHALWAR

SCALE
1:500

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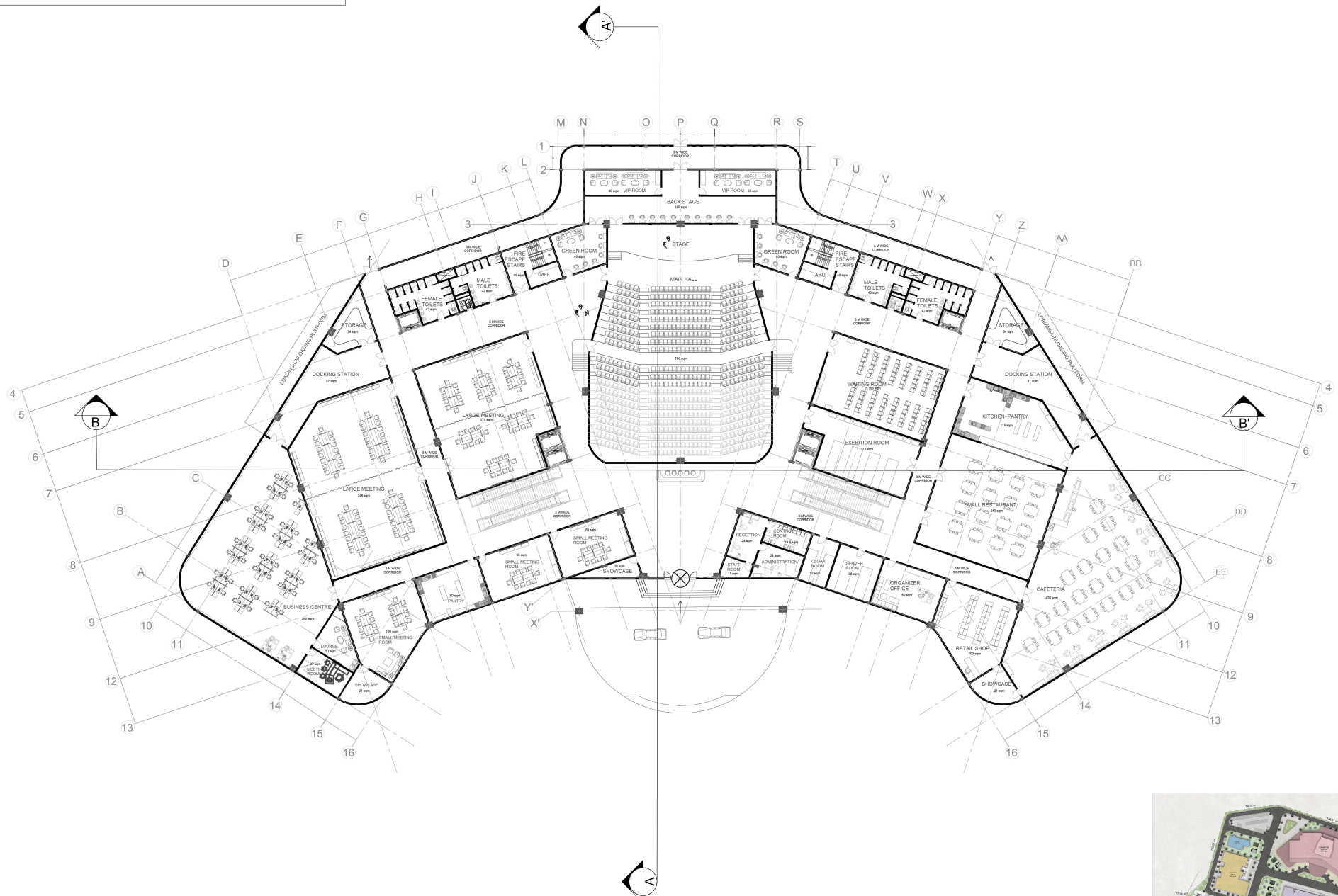
211110225
SEM IX SEC B

SHEET NO.
04

CONVENTION CENTRE



KEYPLAN



HARBOUR CENTRE

GROUND FLOOR PLAN

GUIDED BY-
DR. KAVITA DEHALWAR

SCALE
1:250

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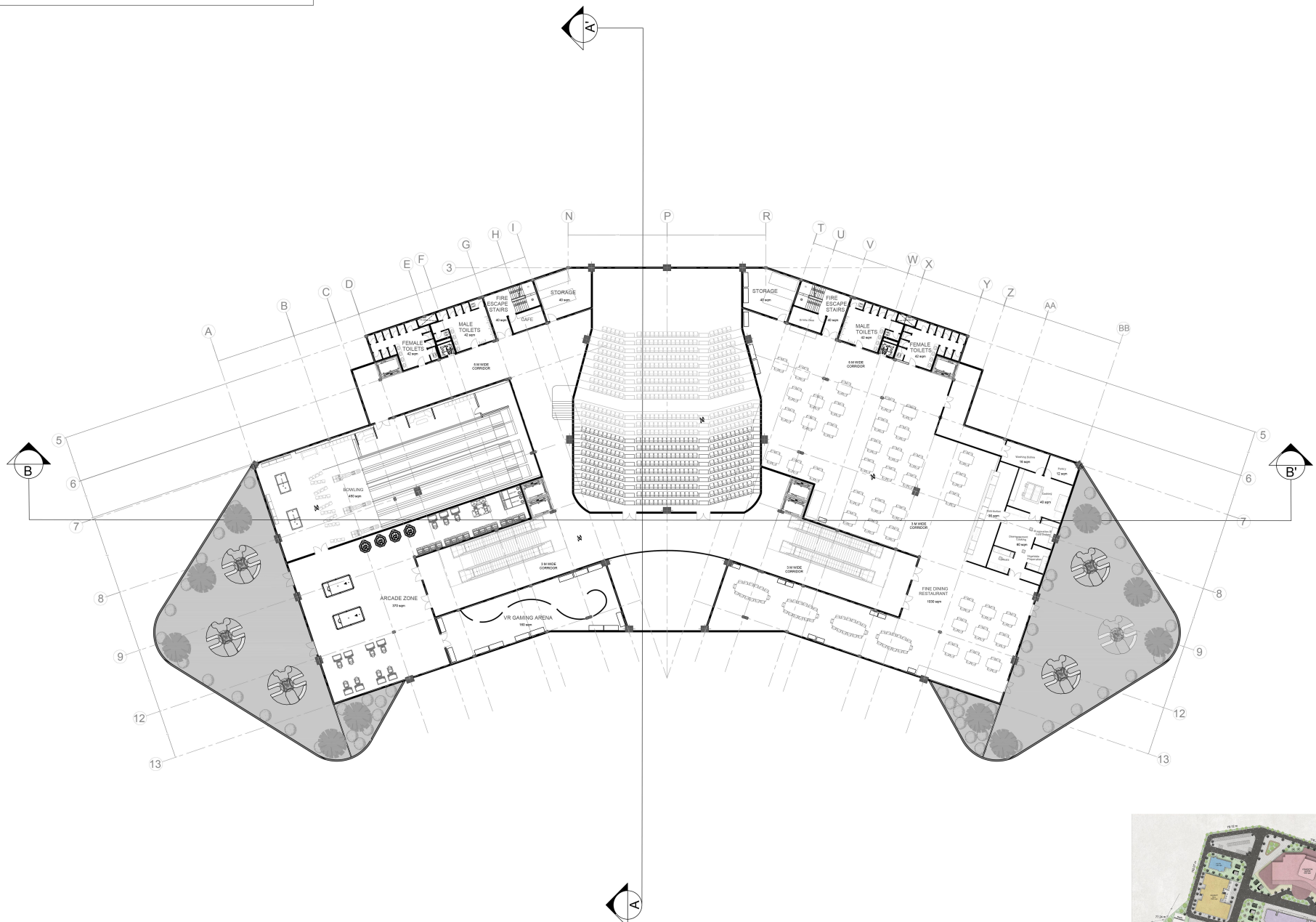
SEM IX SEC B

SHEET NO.
05

CONVENTION CENTRE



KEYPLAN



HARBOUR CENTRE

FIRST FLOOR PLAN

GUIDED BY-
DR. KAVITA DEHALWAR

SCALE
1:250

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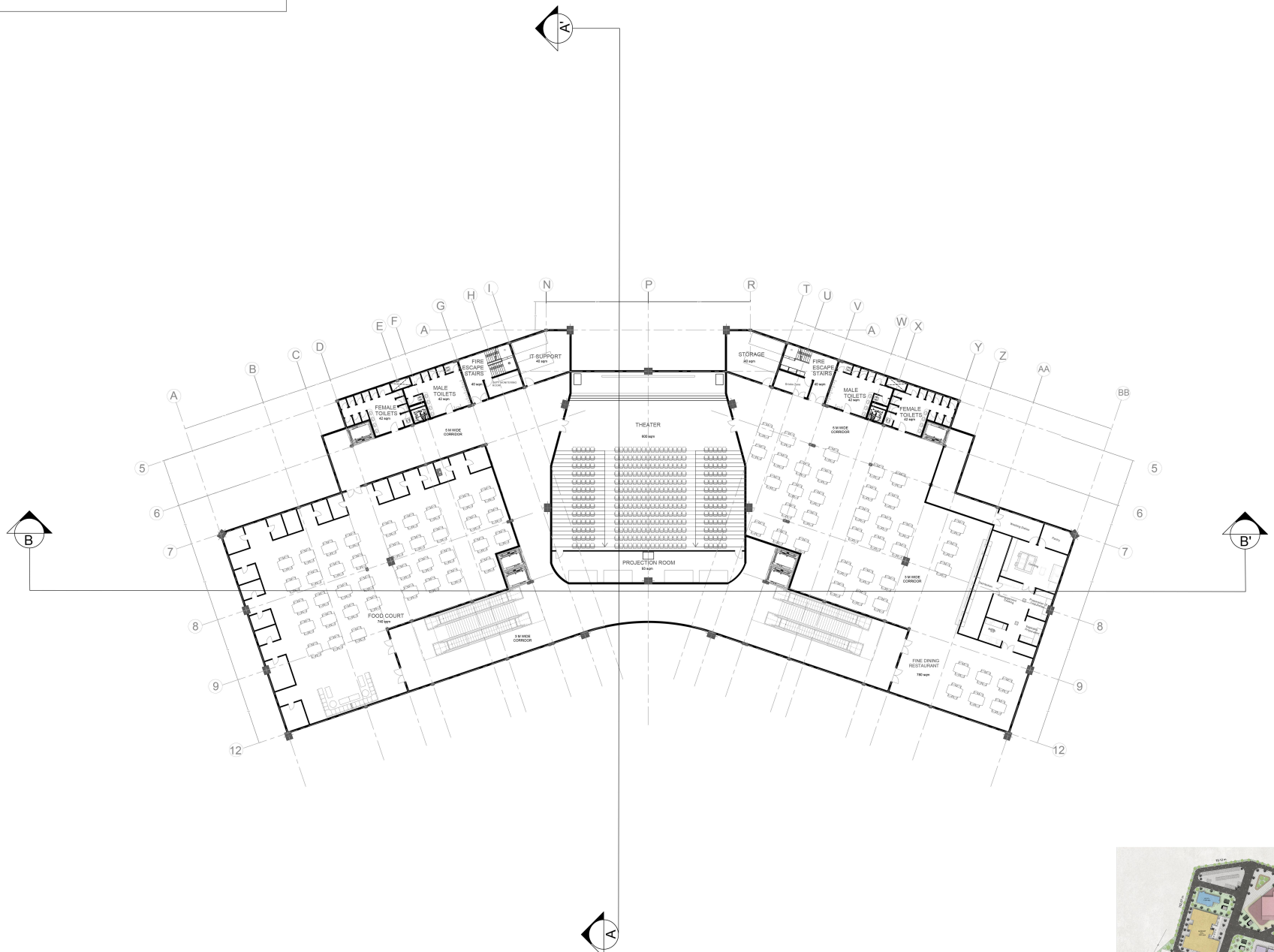
SEM IX SEC B

SHEET NO.
06

CONVENTION CENTRE



KEYPLAN



HARBOUR CENTRE

SECOND FLOOR PLAN

GUIDED BY-
DR. KAVITA DEHALWAR

SCALE
1:250

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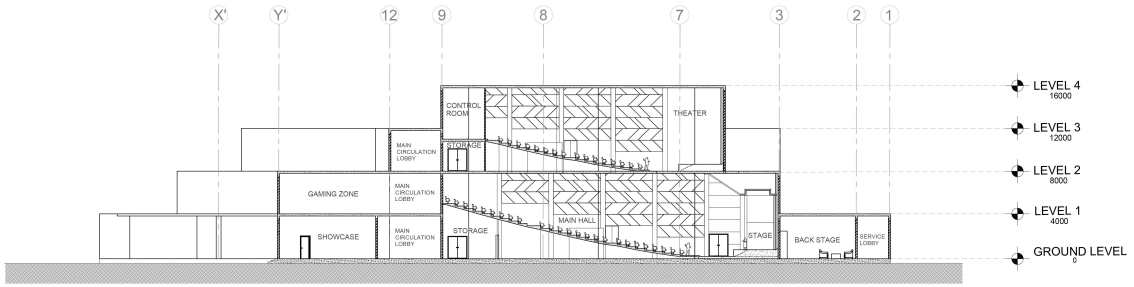
SHEET NO.
07

CONVENTION CENTRE



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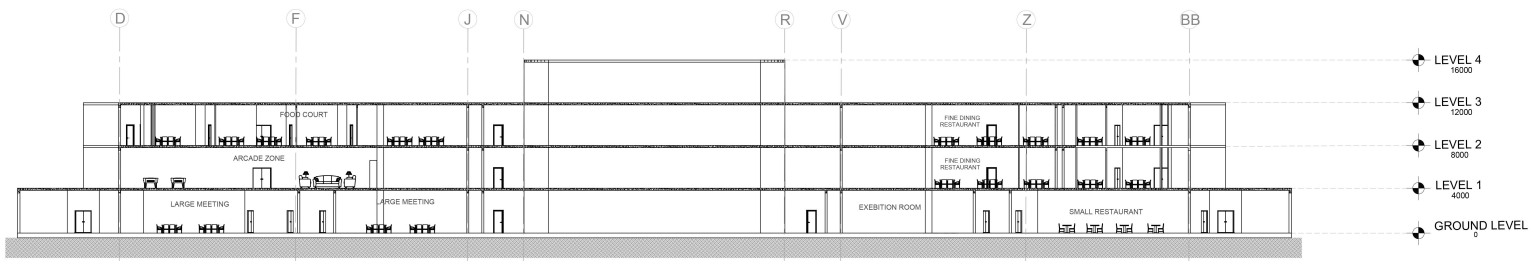

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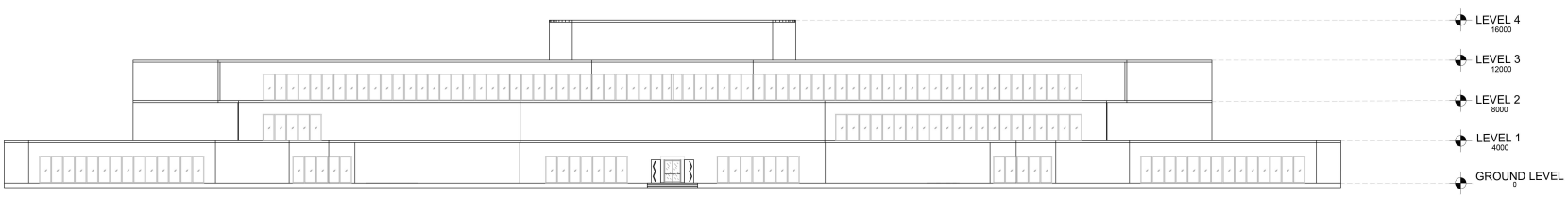

ELEVATION

HARBOUR CENTRE

SECTION & ELEVATION

GUIDED BY-
DR. KAVITA DEHALWAR

SCALE
1:250

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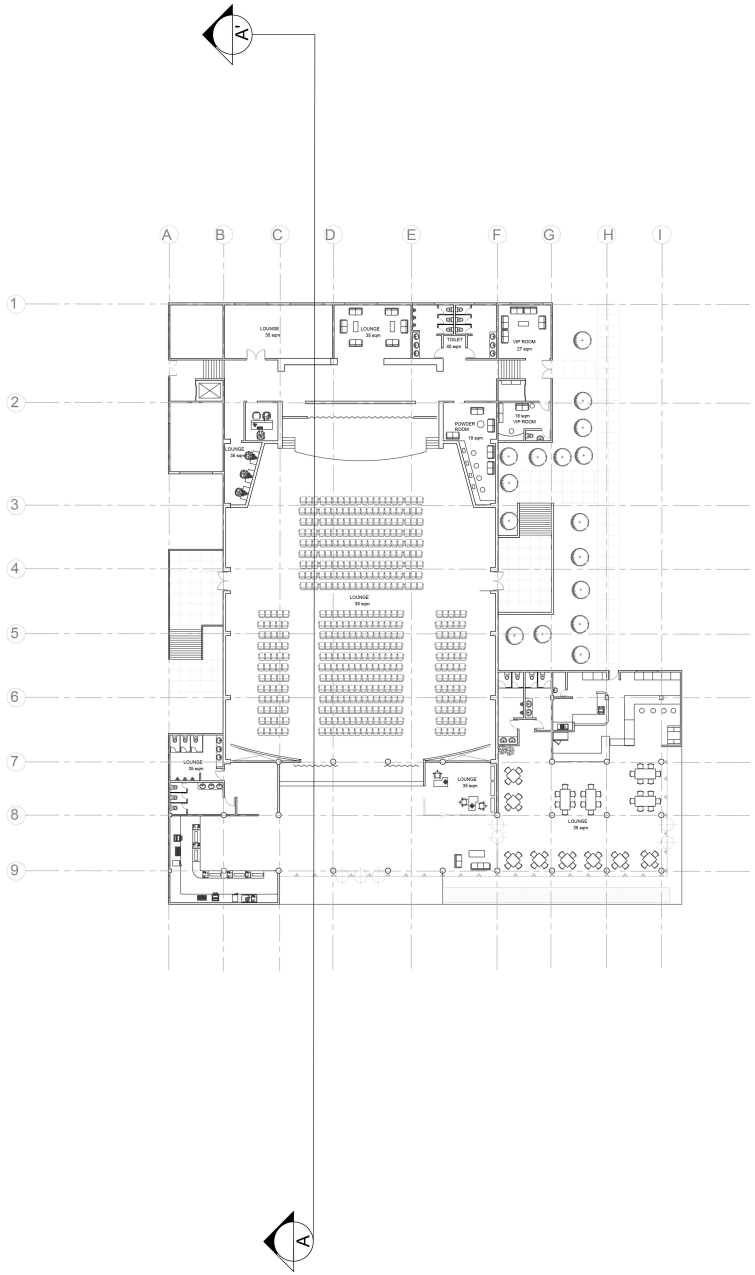
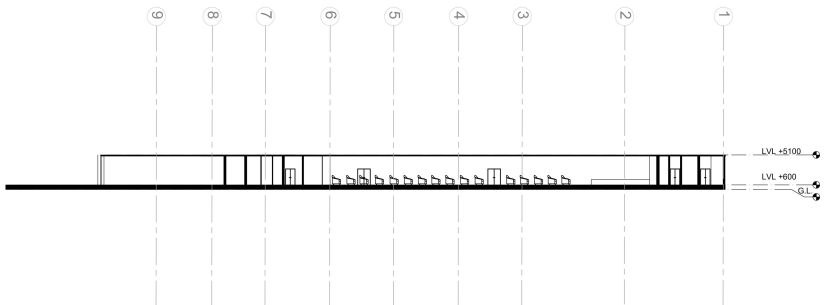
211110225
SEM IX SEC B

SHEET NO.
08

CONVENTION CENTRE





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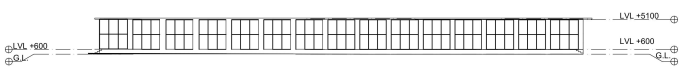

ELEVATION

HARBOUR CENTRE BANQUET HALL

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DR. KAVITA DEHALWAR

SCALE
1:250

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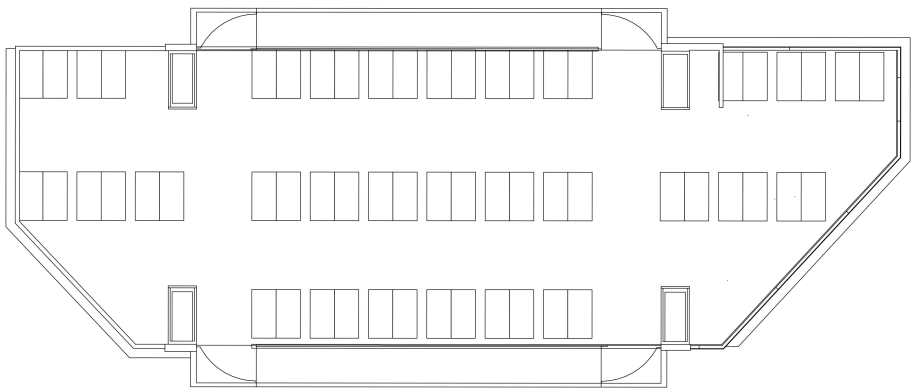
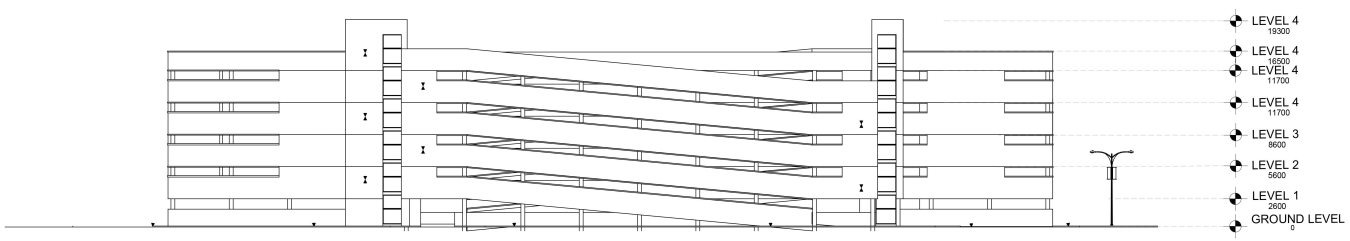
SEM IX SEC B

SHEET NO.
09

CONVENTION CENTRE



PODIUM PARKING PLAN



ELEVATION

HARBOUR CENTRE PODIUM PARKING

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DR. KAVITA DEHALWAR

SCALE
1:250

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SHEET NO.
10

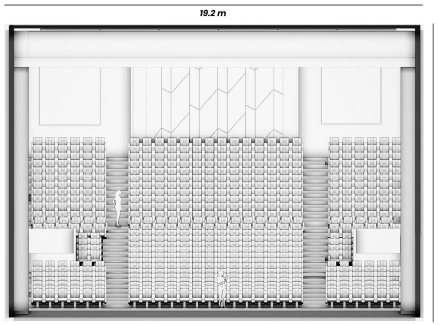
INTERIOR DESIGN

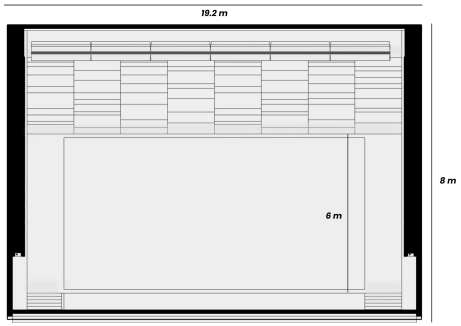


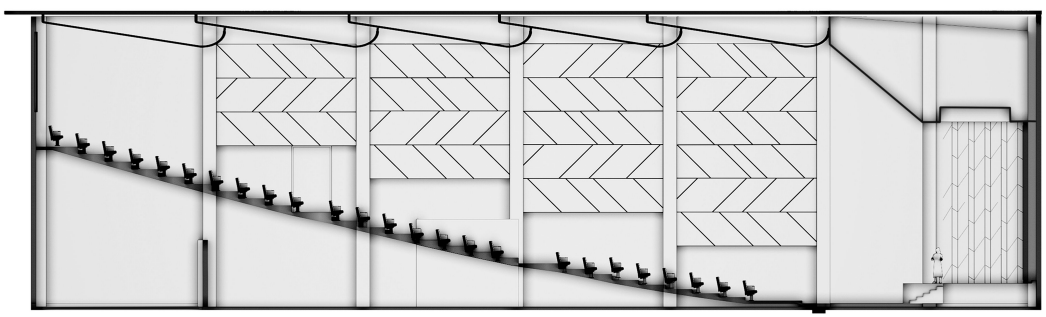


LU9800 10000lms WUXGA Large Venue Laser Projector

- Compatible with 9 electrical optional lenses to maximize throw ratio coverage
- Support BenQ factory white balance calibration
- Up to 70,000 hrs laser light source life



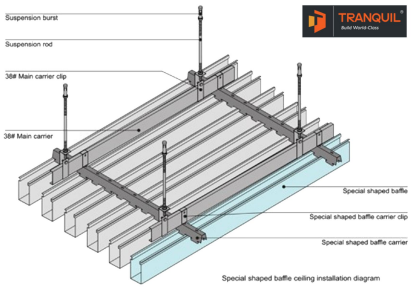


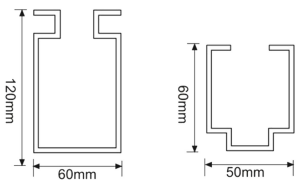


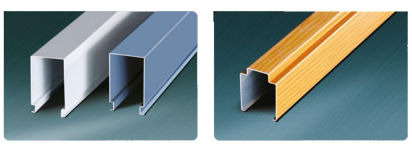
VIEWS



TRANQUIL Acoustical Metal Baffle Ceiling







SERENITY Acoustical Wall Panel



PANEL CHARACTERISTICS

Nominal Thicknesses: 25mm, 50mm, 75mm, 100mm, 125mm (Refers to thickness of the acoustic absorber infill)

Thickness selection will depend on the acoustic performance required.

Standard Sizes: 1200 x 600mm, 1200 x 1200mm, 2400 x 1200mm. Contact Sontext to discuss other size options.

(Tolerance approx +5/-2mm., depending on the fabric chosen).

Custom sizes available, made to order

Panel Construction: The panels consist of an acoustic insulation infill, impact resistant acoustic membrane which is contained within an MDF frame. Finish is decorative fabric to face and wrapped around all four edges of the panel

Nominal Weight (Mass) based on 2400 x 1200mm panel:

25mm insulation thickness: 7 kg/m2

50mm insulation thickness: 10 kg/m2

75mm insulation thickness: 13 kg/m2

100mm insulation thickness: 18-20kg/m2

Fire Properties: Serenity Acoustic Panels are a composite fabricated from materials supplied by others. Low Volatile Organic Compound (VOC) and low formaldehyde insulation and MDF components are used in all in *Serenity* Panels.

Serenity Fabric acoustic panels are constructed from materials that have all been tested to AS5637 ISO9705 Group 1 Fire Rating.

The Acoustic Absorber infill used in Serenity Panels has the following Fire Indices

Australian: AS5637, ISO9705 Group 1 Fire Rating ,

European and American Standards: ASTM E84 Class A, EN 13501-1:2007 +A1:2009 Class B.

Typical Applications

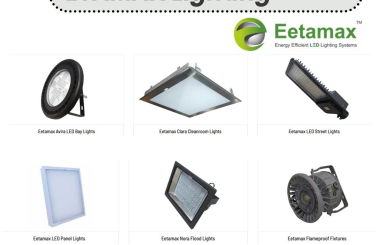
- Schools, Colleges & universities
- Restaurants & cafes Convention centres
- Broadcast studio
- Places of worship
- Multi-purpose facilities
- Commercial spaces
- Boardrooms and meeting rooms

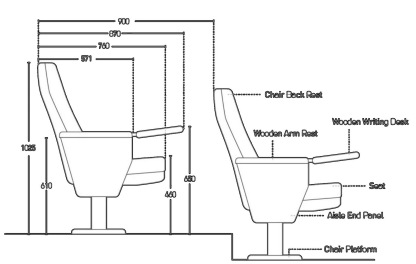
FEATHERLITE Venus Auditorium Chair



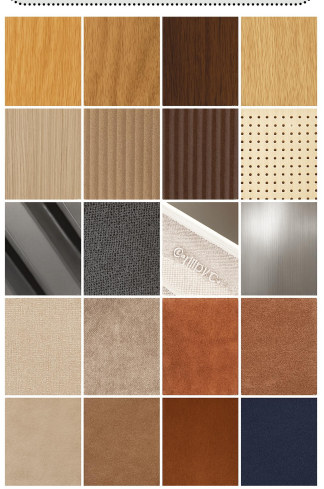
Parameter	Details
Composition	100% Polyester
Width	54"
Abrasion	In excess of 50,000 cycles (800g / 12Kpa) Martindale
Fastness to Light	5+ [BS 1006 (1990)]
Fastness to Rubbing	Wet: 5 Dry: 4.5
Maintenance	Professional cleaning is recommended
Fabric GSM	250 - 350
Colour Matching	Batch to batch variations in shade may occur within commercial tolerances

ETAMAX Lighting





TEXTURE PALETTE



LANDSCAPE

SOFTSCAPE



Azadirachta indica



Albizia lebbeck



Delonix regia



Butea monosperma



Phoenix sylvestris



Bougainvillea spp.



Tecoma stans



Wedelia trilobata

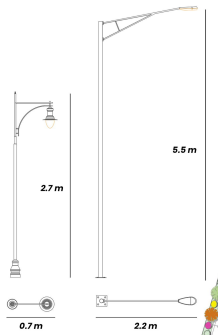


Murraya paniculata



Cynodon dactylon

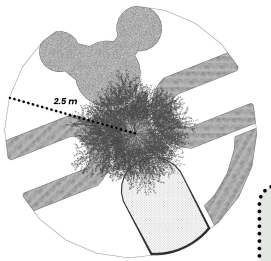
STREET LIGHTS

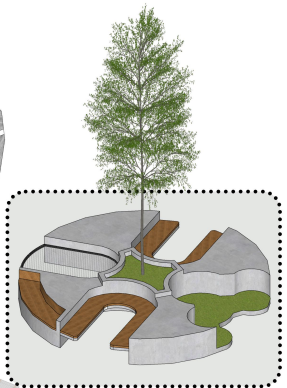


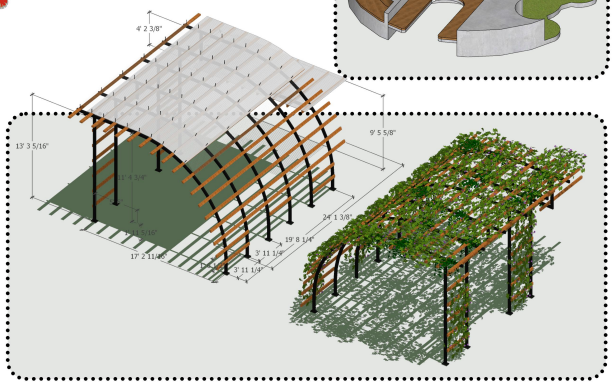
LEGENDS

- Azadirachta indica
- Delonix regia
- Butea monosperma
- Murraya paniculata
- Bougainvillea
- Tecoma stans
- Phoenix sylvestris

HARDSCAPE

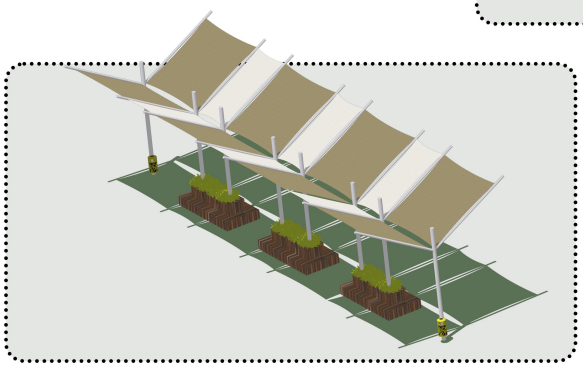


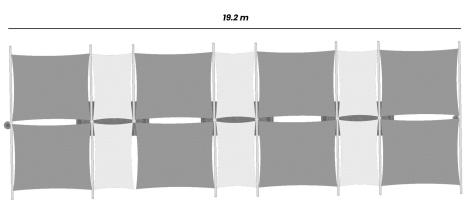


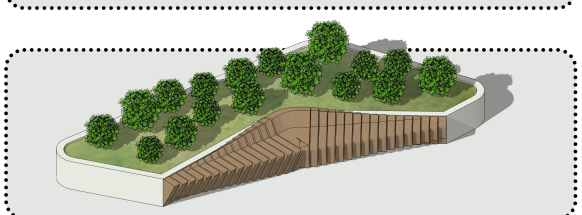


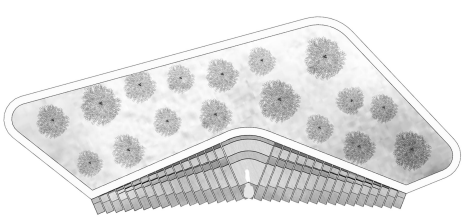
Category	Species	Common Name	Recommended Size
Shade Tree	Azadirachta indica	Neem	8–10 ft height
Shade Tree	Albizia lebbeck	Siris	8–10 ft height
Flowering Tree	Delonix regia	Gulmohar	6–8 ft height
Native Tree	Butea monosperma	Flame of Forest	6–8 ft height
Palm	Phoenix sylvestris	Wild Date Palm	8–10 ft height
Shrub	Bougainvillea spp.	Bougainvillea	6–8 ft height
Shrub	Tecoma stans	Yellow Bells	1.5–2 ft
Groundcover	Wedelia trilobata	Wedelia	6–8 inch
Hedge	Murraya paniculata	Kamini	1–1.5 ft
Lawn Grass	Cynodon dactylon	Doob Grass	Turf Rolls

The nursery plan for Warangal soil includes Neem and Siris as shade trees, Gulmohar and Flame of Forest for flowering and native appeal, and Wild Date Palm for vertical accents. Bougainvillea and Yellow Bells add vibrant shrubs, Wedelia serves as groundcover, Kamini forms hedges, and Doob Grass creates durable lawns. Together, these species provide a balanced and practical landscape design.









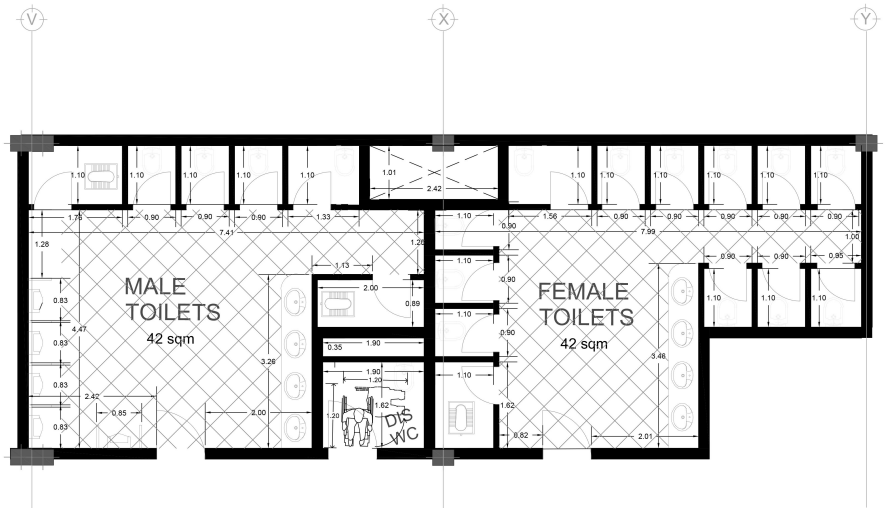
HARBOUR CENTRE LANDSCAPE

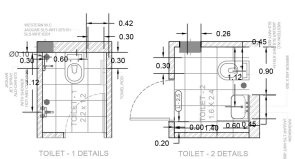
GUIDED BY-
DR. KAVITA DEHALWAR

HARSHIT RAY
211110225
SEM IX SEC B

SHEET NO.
10

IT BUILDING

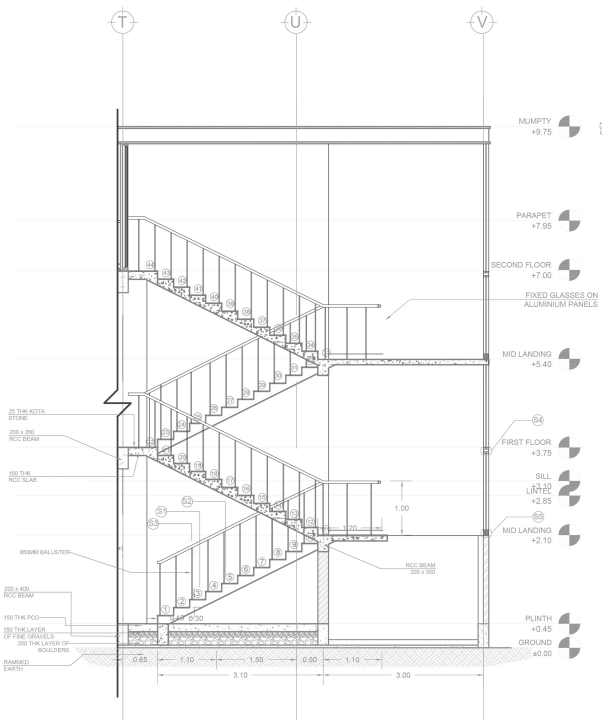



TOILET - 1 DETAILS

TOILET - 2 DETAILS

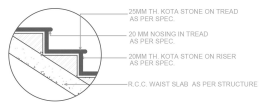
ITEM	MODEL CODE	REMARKS
FAUCETS	KUP-35169FM	WASHBASIN
TAP	KUP-35433FM	BATH
JET SPRAY	JAGUAR JET SPRAY ALD CHR-573	WC
WC	JAGUAR NA-WHT-67531+NLS-WHT-620U	
WASHBASIN	JAGUAR LYS-WHT 38903I	
SHOWER	CHR-33497	
TOWEL ROD	AKP-35711PG	
SOAP DISH HOLDER	ADN-11916	
DADO TILES	300X300 MM MATT GREY	
HIGHLIGHTER TILES	150x150 MM SELKI DARK GREY	
NAHANI TRAP GRATING	ELEGANT FLOOR DRAIN ESF 150	
GEYSER	ESSCO JAGUAR - ULT 15 LTR. ULT-WHT-V015 STORAGE - GEYSERS (WHITE	

TOILET SCHEDULE

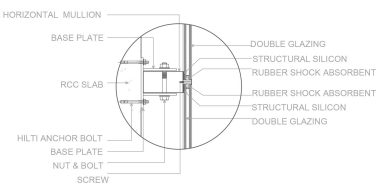




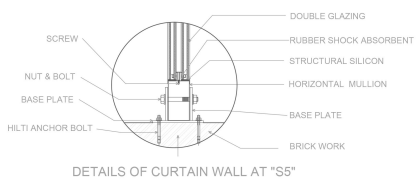
DETAIL OF BALUSTER AT "S1"



DETAILS OF STEP AT "S2"



DETAILS OF CURTAIN WALL AT "S4"



DETAILS OF CURTAIN WALL AT "S5"



DETAILS OF RAILING AND BALUSTER AT "S3"

HARBOUR CENTRE WASHROOM & STAIR DETAIL

GUIDED BY-
DR. KAVITA DEHALWAR

SCALE
1:50

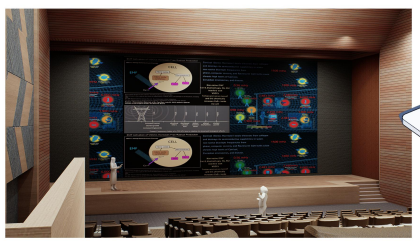
HARSHIT RAY
211110225
SEM IX SEC B

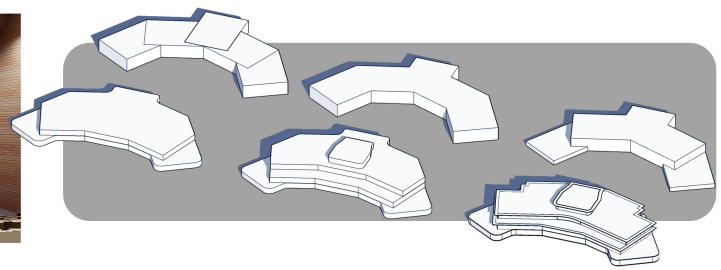
SHEET NO.
12

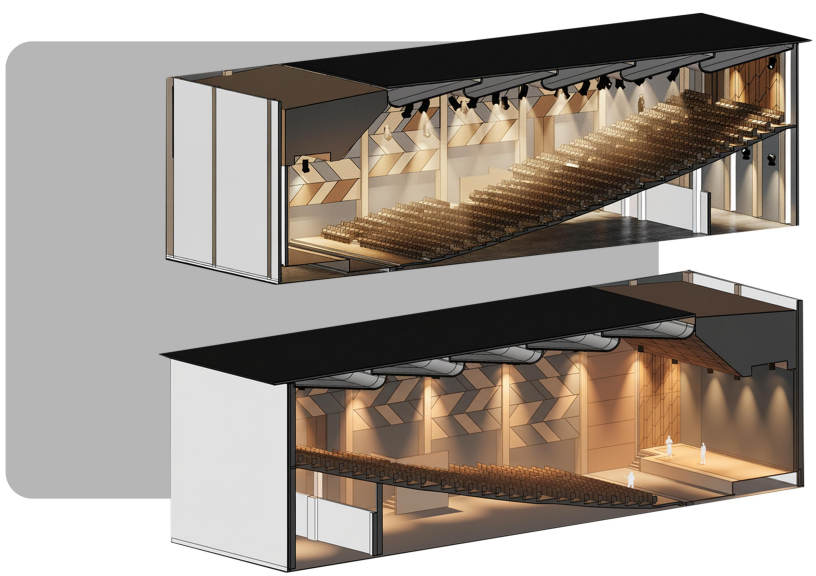














HARBOUR CENTRE VIEWS

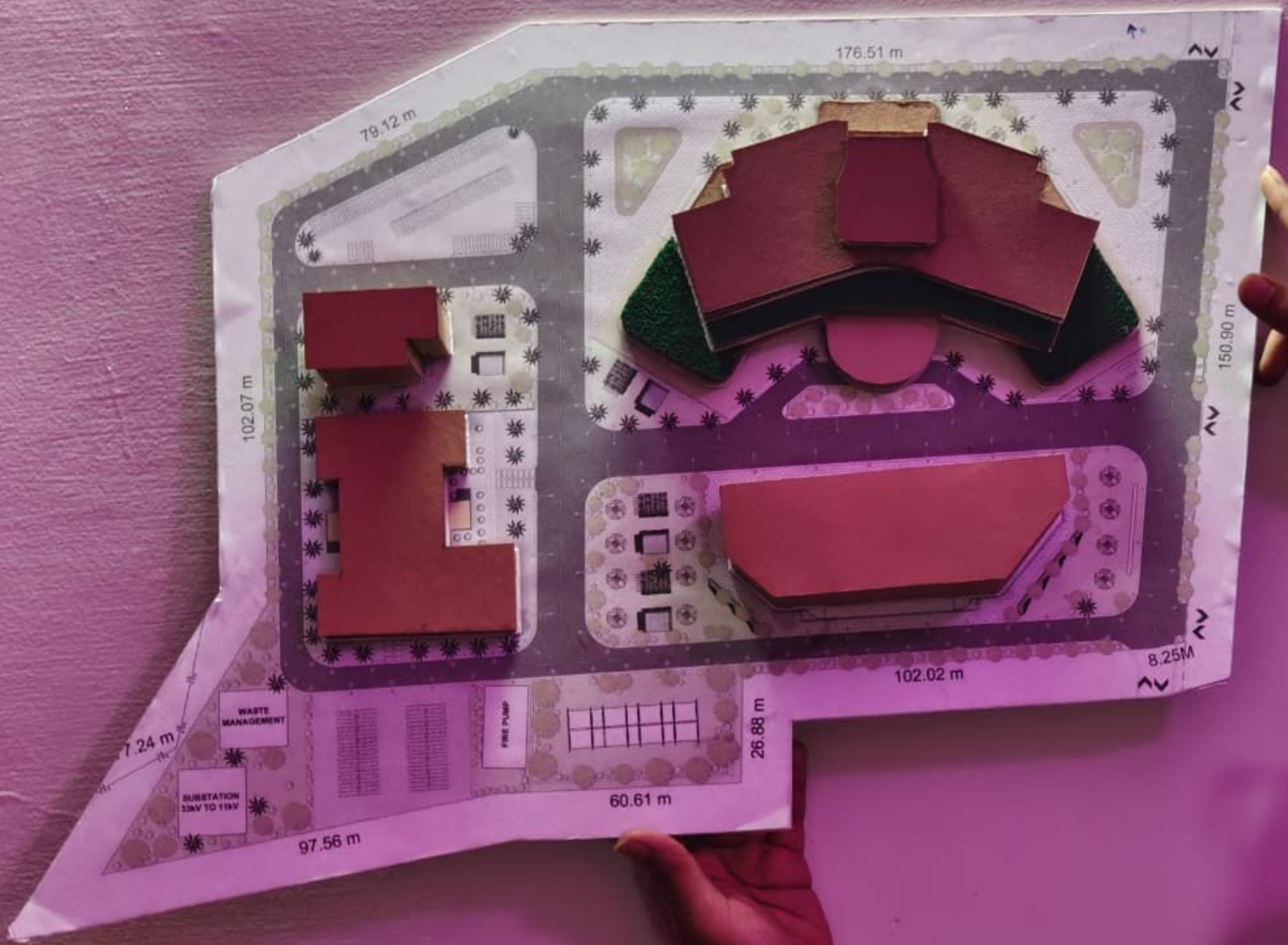
GUIDED BY-
DR. KAVITA DEHALWAR

SCALE
1:250

HARSHIT RAY
211110225
SEM IX SEC B

SHEET NO.
13

176.51 m
150.80 m
102.07 m
FIRE PUMP
WASTE MANAGEMENT
97.56 m


176.51 m
79.12 m
102.07 m
150.90 m
8.25M
102.02 m
26.88 m
60.61 m
97.56 m
WASTE MANAGEMENT
FIRE PUMP
SUBSTATION 33kV TO 11kV


PODIUM PARKING
2100 sqm


102.02 m
176.51 m
150.90 m
8.25M