

8th Sem PROBLEM HOSPITAL

Aim

The project aims to represent caring a healing and reflecting it in the design by giving max views and pleasure to each patients this program gives special emphasis on role of technology in architecture. The design project to be dealt in the spaces should respond to the importance of structure and services.

Objective

- The range of design problem shall include projects of progressively increasing complexity. Study and Incorporation of building bye-laws.
- Interior treatment of small and large spaces. Freedom in design to be given with preliminary introduction of Importance and role of bye laws in building design,

Introduction

Hospital, an institution that is built, staffed, and equipped for the diagnosis of disease for the treatment, both medical and surgical, of the sick and the injured and for their housing during this process. The modern hospital also often serves as a centre for investigation and for treatments.

To better serve the wide-ranging needs of the community, the modern hospital has often developed outpatient facilities, as well as emergency, psychiatric, and rehabilitation services. In addition, "bed less hospitals" provide strictly ambulatory (outpatient) care and day surgery. Patients arrive at the facility for short appointments. They may also stay for treatment in surgical or medical units for part of a day or for a full day, after which they are discharged for follow-up by a primary care health provider.

Design brief

Jabalpur department MCJ, Jabalpur is planning to develop its 100 beds Hospital. The Hospital should fulfil all the basic needs of Patients and other health care facilities.

Design requirements:

- Administrative:

- Reception and waiting area
- Waiting lounge
- In house pharmacy
- Admin office
- Account office
- Record room o Cash counter
- Ambulatory zone:
- Administrative doctor
- Plaster room
- Doctor's chamber
- Emergency room
- Diagnostic zone:
- Radiology, cytology, microbiology, biochemistry (Diagnostic centre)
- X-ray, physiotherapy, orthopaedics Laboratory
- Pathology lab
- Intermediate zone:
- In-patient department
- Male ward
- Female ward
- Nursing station for IPD block with clean and dirty utility o Doctors duty room with attached toilet
- Critical zone:
- 2no, minor OT
- 2 Major OT
- Pre operational room
- Post operational room
- Labour room
- Recovery room o Changing room
- Other wards
- ICU/CCU
- Private wards
- Semi private wards
- Service zone
- Oxygen room
- Generator room
- House keeping
- Kitchen
- Vanity shop
- Laundry
- Some special clinics:
- Diabetes clinic
- Blood pressure clinic
- Thyroid clinic
- Psychiatry clinic

Other requirements

- Common toilet
- Drinking water
- Small canteen
- Basement parking o Ambulance parking
- Blood bank
- Mortuary block
- Medicine shop

Note-provisions of facilities for physically challenged people/ staff as per standard norms, shall also be provided and all provisions applicable to the multistoried public buildings like lifts, refuse chutes, firefighting systems etc. shall be done.

Site Development Norms

Site Area (Approx.)-existing site area and location of, Jabalpur Max. Permissible ground coverage-As per MP building byelaws

M.O.S-As per MP building bye laws

FAR-As per MP building bye laws

Max. Permissible height-As per MP building bye laws

1- Data collection- Study of bye laws, standards, books and online references of understanding the design problem and building typology.

2- Literature case study International well published and critiqued project, designed by an Internationally renowned Architect or practice, which discusses either of the following- Sustainability and Environmental concerns, Greatness of a design idea and its further resolution, Responsiveness to context and the design idea etc. Deliverable-A1 size sheets

3- Site Analysis & Area Statement- Detailed Site Analysis. The Site Analysis should enable each student to take clear design decisions at the idea/concept stage. Site Model Deliverable-A1 size sheets 4- Concept development-Arriving at a conceptual framework of spatial design, site development, form, placement, orientation, circulation horizontal/vertical stacking of activities and elevational design.

Students will be expected to develop iterations of form to support their concept. The concept derivation must be based on some architectural philosophy and must relate to the building typology and site requirements,

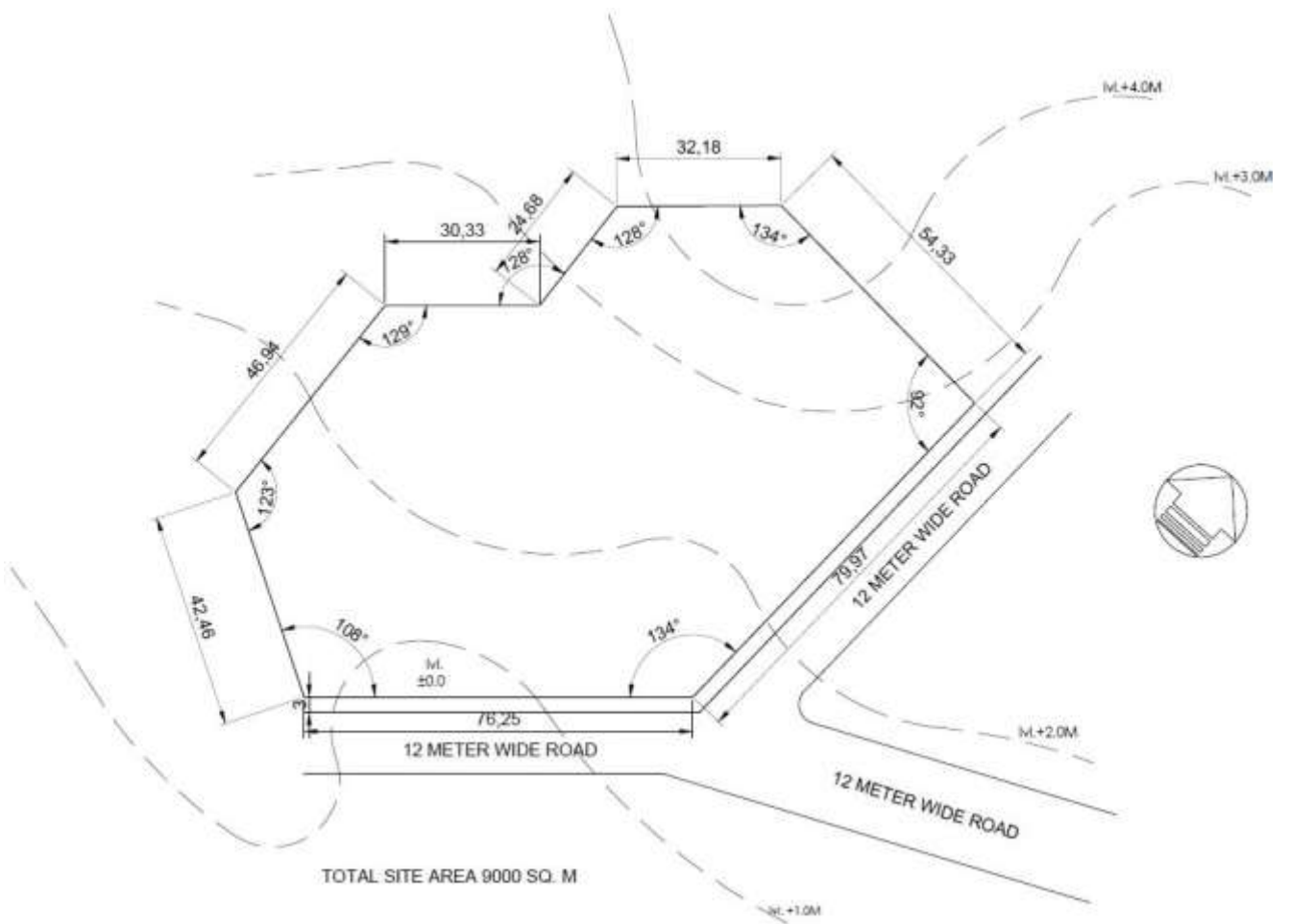
Deliverable-A1 size sheets and block models

5- Architectural Design-Single line Designed Details include Site Plan, All Floor Plans, sections & Elevations. Deliverable sheets-A1 size sheets Individual work

6- Final Submission

Final Drawing requirements:-

1. Concept
2. Site plan with area statement-(Entrance, parking, landscape, building placement, road network, services, etc.)
3. Floor plans of each floor- (Furniture Layout, Position of Door, Windows and Ventilators, Dimensions of internal spaces, Levels)
4. Elevations-2 min.-
5. Sections-2 min. (one from staircase, lift and one from toilet)
6. Sketch or perspective View of main block and bird's eye view of site
7. Final Block Model

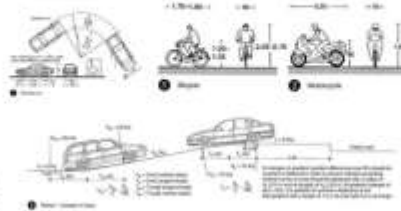


HOSPITAL

ADMINISTRATIVE



PARKING



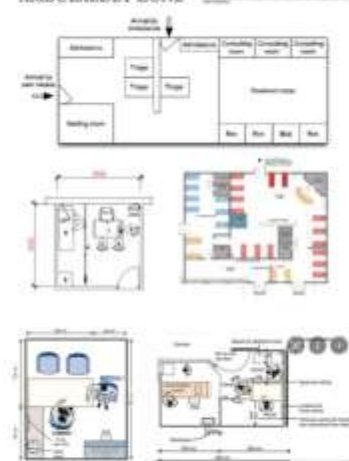
INTERMEDIATE



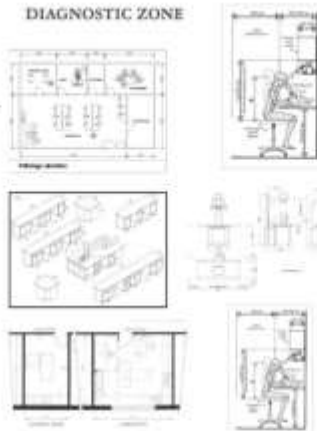
CRITICAL ZONED



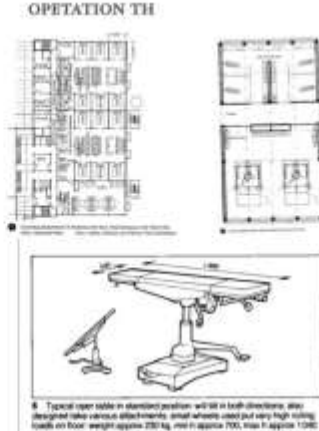
AMBULANCE ZONE



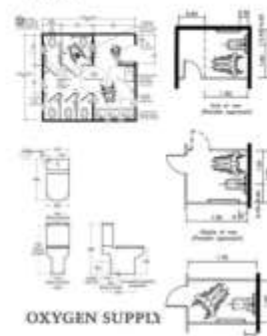
DIAGNOSTIC ZONE



OPERATION TH



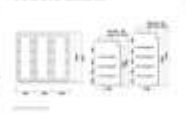
TOILET



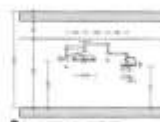
OXYGEN SUPPLY



MORTUARY



DRINKING WATER

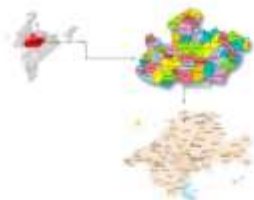


8. Typical upper table in standard position, with 50 in both directions. Also designed table carries attachment, small wheels used for very high rolling loads on floor, weight approx 250 kg, rise H approx 700, Rise H approx 1300.

SHEET NO - 01

HOSPITAL

LOCATION - JABALPUR , MADHAYA PRADESH



CLIMATE

CLIMATIC ZONE IN WHICH MP LIES IS COMPOSITE CLIMATE.

SUMMER TEMPERATURE:

32-37°C (DAY TIME)

27-32 degrees C (NIGHT TIME)

WINTER TEMPERATURE

10-25 degree c(DAY TIME)

5-0FC (NIGHT TIME)

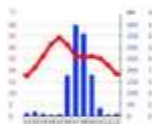
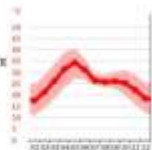
PRECIPITATION

VARIES BETWEEN 500-1300MM/YEAR

HUMIDITY:

20-25% IN DRY PERIOD

85-90% IN WET PERIOD



TOPOGRAPHY

THE GEOGRAPHICAL COORDINATE OF JABALPUR ARE 23-02 DEG LATITUDE, 78/50 DEG LONGITUDE AND 1400 FT ELEVATION.

THE TOPOGRAPHY WITHIN TWO MILES OF JABALPUR CONTAINS ONLY MODERST VAKRIATION IN ELEVATION WITH MAX ELEVATION CHANGE OF 344 FEET AND AVERAGE ELEVATION ABOVE SEA LEVEL OF 1357 FE. WITHIN 10 MILES CONTAINS ONLY MODEST VARIATION IN ELEVATION (1752 FT).

THE VARIATION AREA WITHIN 2 MILES OF JABALPUR IS COVERED BY ARTIFICIAL SURFACES (90%), WITHIN 10 MILES BY CROPLAND (64%) AND ARTIFICIAL SURFACE (2.0%) AND WITHIN 50 MILES BY CROPLAND (71%).

SOIL TYPE

JABALPUR DISTRICT IS COVERED BY THREE TYPES OF SOIL.

THE LOAM TO SAND LOAM CONFINED TO THE RIVER COURSE OF NARMADA AND HIRAN IN SHAH PURA AND PATAN BLOCKS. MEDIUM BLACK SOIL, COVERING BUNDAM HARGI, EASTERN PARTS OF SHAHPURA, PANAGAR AND SEHRA BLOCKS.

DEEP BLACK SOIL COVERING SHAH PURA, PATAN AND SEHRA BLOCKS IN NARMADA VALLEY, THE BLACK SOIL IS COMPOSED MAINLY OF CLAY AND SILT WASHED DOWN BY RIVERS.

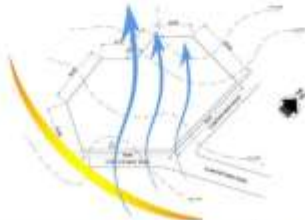


VEGETATION OF JABALPUR

THE IMPORTANT FOREST PUBLICATIONS WHICH ARE FOUND IN JABALPUR ARE TEAK, SAL, MIXED FORESTS, KHAIR AND MEDICINAL PLANTS.



WIND DIRECTION AND SUN PATH



S.N.	DEPARTMENT	LAND SURVEY AREA	STANDARD AREA	IMPROVED AREA
COMMERCIAL SYSTEM				
01	SHAH PURA	10 00 00	100 00 00	100 00 00
02	SHAH PURA	10 00 00	100 00 00	100 00 00
03	SHAH PURA	10 00 00	100 00 00	100 00 00
04	SHAH PURA	10 00 00	100 00 00	100 00 00
05	SHAH PURA	10 00 00	100 00 00	100 00 00
06	SHAH PURA	10 00 00	100 00 00	100 00 00
07	SHAH PURA	10 00 00	100 00 00	100 00 00
08	SHAH PURA	10 00 00	100 00 00	100 00 00
09	SHAH PURA	10 00 00	100 00 00	100 00 00
10	SHAH PURA	10 00 00	100 00 00	100 00 00
RESIDENTIAL				
11	SHAH PURA	10 00 00	100 00 00	100 00 00
12	SHAH PURA	10 00 00	100 00 00	100 00 00
13	SHAH PURA	10 00 00	100 00 00	100 00 00
14	SHAH PURA	10 00 00	100 00 00	100 00 00
15	SHAH PURA	10 00 00	100 00 00	100 00 00
16	SHAH PURA	10 00 00	100 00 00	100 00 00
17	SHAH PURA	10 00 00	100 00 00	100 00 00
18	SHAH PURA	10 00 00	100 00 00	100 00 00
19	SHAH PURA	10 00 00	100 00 00	100 00 00
20	SHAH PURA	10 00 00	100 00 00	100 00 00
INDUSTRIAL				
21	SHAH PURA	10 00 00	100 00 00	100 00 00
22	SHAH PURA	10 00 00	100 00 00	100 00 00
23	SHAH PURA	10 00 00	100 00 00	100 00 00
24	SHAH PURA	10 00 00	100 00 00	100 00 00
25	SHAH PURA	10 00 00	100 00 00	100 00 00
26	SHAH PURA	10 00 00	100 00 00	100 00 00
27	SHAH PURA	10 00 00	100 00 00	100 00 00
28	SHAH PURA	10 00 00	100 00 00	100 00 00
29	SHAH PURA	10 00 00	100 00 00	100 00 00
30	SHAH PURA	10 00 00	100 00 00	100 00 00
AGRICULTURAL				
31	SHAH PURA	10 00 00	100 00 00	100 00 00
32	SHAH PURA	10 00 00	100 00 00	100 00 00
33	SHAH PURA	10 00 00	100 00 00	100 00 00
34	SHAH PURA	10 00 00	100 00 00	100 00 00
35	SHAH PURA	10 00 00	100 00 00	100 00 00
36	SHAH PURA	10 00 00	100 00 00	100 00 00
37	SHAH PURA	10 00 00	100 00 00	100 00 00
38	SHAH PURA	10 00 00	100 00 00	100 00 00
39	SHAH PURA	10 00 00	100 00 00	100 00 00
40	SHAH PURA	10 00 00	100 00 00	100 00 00
WATER RESOURCES				
41	SHAH PURA	10 00 00	100 00 00	100 00 00
42	SHAH PURA	10 00 00	100 00 00	100 00 00
43	SHAH PURA	10 00 00	100 00 00	100 00 00
44	SHAH PURA	10 00 00	100 00 00	100 00 00
45	SHAH PURA	10 00 00	100 00 00	100 00 00
46	SHAH PURA	10 00 00	100 00 00	100 00 00
47	SHAH PURA	10 00 00	100 00 00	100 00 00
48	SHAH PURA	10 00 00	100 00 00	100 00 00
49	SHAH PURA	10 00 00	100 00 00	100 00 00
50	SHAH PURA	10 00 00	100 00 00	100 00 00
UNDEVELOPED LAND				
51	SHAH PURA	10 00 00	100 00 00	100 00 00
52	SHAH PURA	10 00 00	100 00 00	100 00 00
53	SHAH PURA	10 00 00	100 00 00	100 00 00
54	SHAH PURA	10 00 00	100 00 00	100 00 00
55	SHAH PURA	10 00 00	100 00 00	100 00 00
56	SHAH PURA	10 00 00	100 00 00	100 00 00
57	SHAH PURA	10 00 00	100 00 00	100 00 00
58	SHAH PURA	10 00 00	100 00 00	100 00 00
59	SHAH PURA	10 00 00	100 00 00	100 00 00
60	SHAH PURA	10 00 00	100 00 00	100 00 00
WATER RESOURCES				
61	SHAH PURA	10 00 00	100 00 00	100 00 00
62	SHAH PURA	10 00 00	100 00 00	100 00 00
63	SHAH PURA	10 00 00	100 00 00	100 00 00
64	SHAH PURA	10 00 00	100 00 00	100 00 00
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66	SHAH PURA	10 00 00	100 00 00	100 00 00
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68	SHAH PURA	10 00 00	100 00 00	100 00 00
69	SHAH PURA	10 00 00	100 00 00	100 00 00
70	SHAH PURA	10 00 00	100 00 00	100 00 00
WATER RESOURCES				
71	SHAH PURA	10 00 00	100 00 00	100 00 00
72	SHAH PURA	10 00 00	100 00 00	100 00 00
73	SHAH PURA	10 00 00	100 00 00	100 00 00
74	SHAH PURA	10 00 00	100 00 00	100 00 00
75	SHAH PURA	10 00 00	100 00 00	100 00 00
76	SHAH PURA	10 00 00	100 00 00	100 00 00
77	SHAH PURA	10 00 00	100 00 00	100 00 00
78	SHAH PURA	10 00 00	100 00 00	100 00 00
79	SHAH PURA	10 00 00	100 00 00	100 00 00
80	SHAH PURA	10 00 00	100 00 00	100 00 00

SHEET NO - 03

HOSPITAL



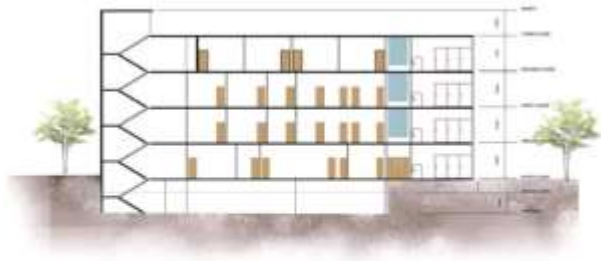
SECOND FLOOR PLAN



THIRD FLOOR PLAN

- GLT
- TOILET
- SICK WARD
- NURSING STATION
- SICK WARD BED AREA
- SEMI PRIVATE WARD
- LOUNGE

- TOILET
- DRIVING
- RECEPTION
- PRIVATE AND SEMI PRIVATE



SECTION A A'

SHEET NO - 06

HOSPITAL



GROUND FLOOR PLAN

GROUND FLOOR PLAN

SHEET NO - 05

FLOOR PLAN

PRIYANSHU RAI
0233AR191016

HOSPITAL



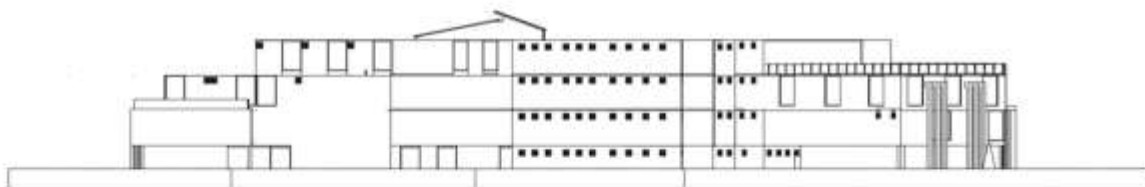
FRONT ELEVATION



SIDE ELEVATION (WEST)



SIDE ELEVATION (EAST)



BACK ELEVATION

SHEET NO - 07

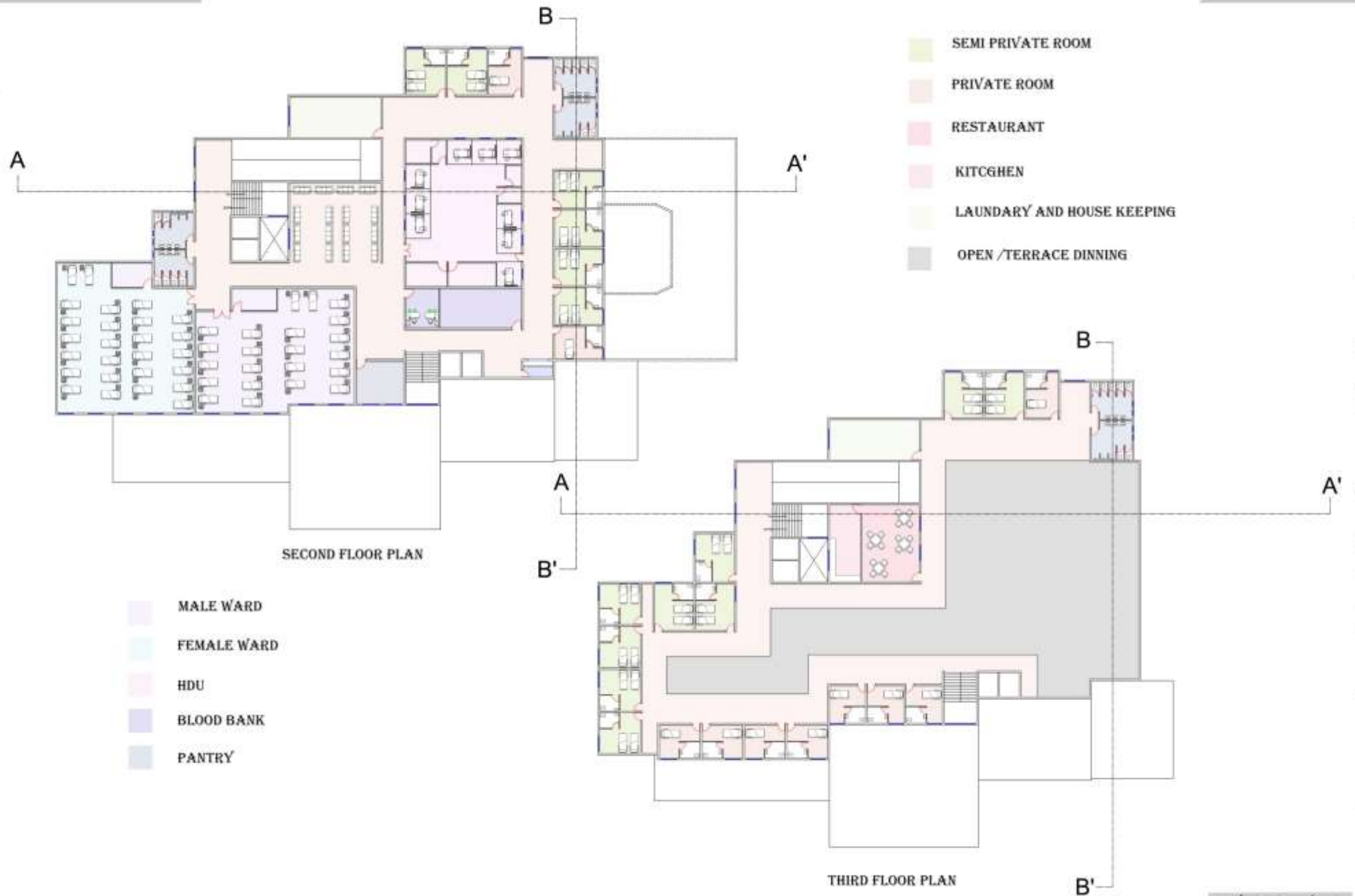
ELEVATION

PRIYANSHU RAI
0233AR191016



FLOOR PLANS

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0233AR191009
SEM VI
H.C.A.T.P



THE ZAYED CENTRE FOR RESEARCH INTO RARE DISEASE IN CHILDREN



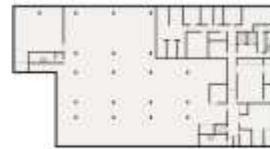
THE DESIGN DEDICATED TO DELIVERING WORLD-CLASS RESEARCH TOGETHER WITH NEW TREATMENTS AND THERAPIES, THE ZAYED CENTRE FOR RESEARCH INTO RARE DISEASE IN CHILDREN FOR GREAT ORMOND STREET HOSPITAL FOUNDATION TRUST, UNIVERSITY COLLEGE LONDON, AND GREAT ORMOND STREET HOSPITAL CHILDREN'S CHARITY IS A PIONEERING PEDIATRIC FACILITY OF GLOBAL SIGNIFICANCE. COMBINING LEADING RESEARCH AND OUTSTANDING OUTPATIENT CARE UNDER ONE ROOF, STANTON WILLIAMS' STATE-OF-THE-ART BUILDING BRINGS TOGETHER, FOR THE FIRST TIME, 500 SCIENTISTS, CLINICIANS, AND ACADEMICS. WORKING TOGETHER IN A COLLABORATIVE ENVIRONMENT, THEY WILL PARTNER IN GROUND-BREAKING RESEARCH: TRANSLATING IT INTO HOPE FOR CHILDREN ACROSS THE WORLD.



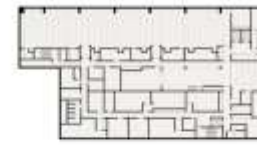
STANTON WILLIAMS' DESIGN REIMAGINES THE CLINICAL SETTING AS A SHARED CIVIC EXPERIENCE, A HOLISTIC SPACE WHERE SCIENCE, CITY, AND HUMAN LIVES COME TOGETHER. WITH ITS PROMINENT PRESENCE OPPOSITE CORAM'S FIELDS – THE FORMER SITE OF THE FOUNDING HOSPITAL AND A LIVING SYMBOL OF CHILDREN'S WELFARE FOR OVER 250 YEARS – THE ZAYED CENTRE FOR RESEARCH IS A NEW URBAN BEACON OF SCIENCE AND CARE.



WELLBEING FOR PATIENTS, CLINICIANS, AND ACADEMICS IS KEY. THE ARCHITECTURE ACHIEVES A FEELING OF SPACIOUSNESS AND GENEROSITY THROUGH AN UNEXPECTED NON-CLINICAL PALETTE OF EXPOSED CONCRETE AND NATURAL OAK. DAYLIGHT AND VIEWS CONNECT USERS THROUGH SPACE; FROM FRAMED VISTAS OVER ADJACENT GREEN SPACES TO VIEWS INTO RESEARCH LABORATORIES.



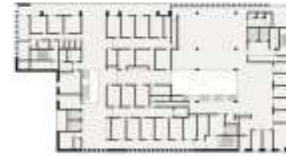
BASEMENT SECOND FLOOR



BASEMENT FIRST FLOOR



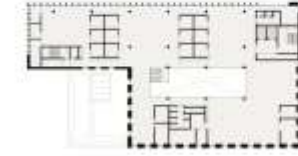
GROUND FLOOR



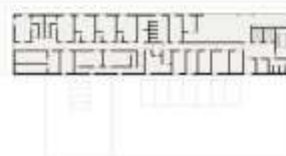
FIRST FLOOR



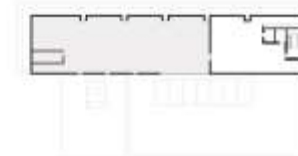
SECOND FLOOR



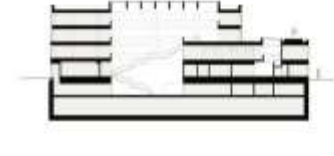
THIRD FLOOR



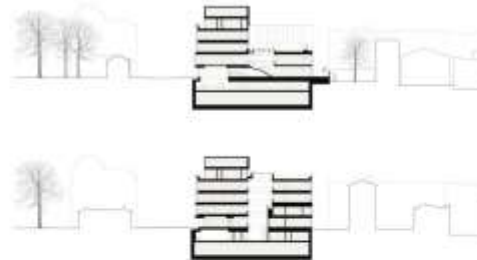
FOURTH FLOOR



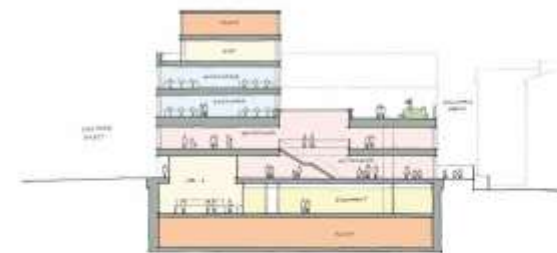
FIFTH FLOOR



SECTION CC



SECTION AA AND SECTION BB



CONCEPT SECTION



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SEM VI
H.C.A.T.P

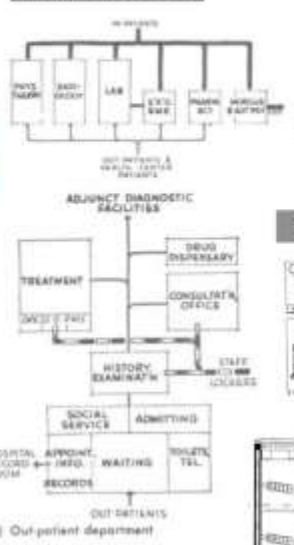
ADMINISTRATIVE :



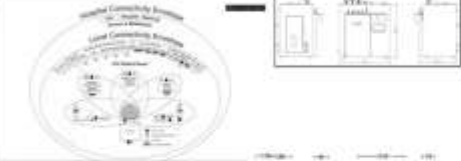
AMBULATORY ZONE :



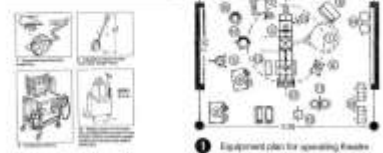
INTERMEDIATE ZONE :



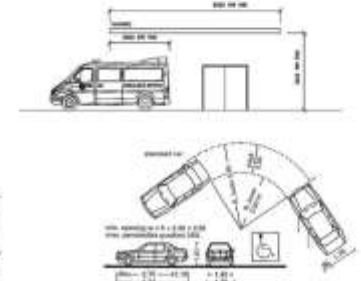
OTHER WARE :



CRITICAL ZONE :



PARKING :



PATHOLOGY : Pathology is a branch of medical science primarily concerning the cause, origin and nature of disease.

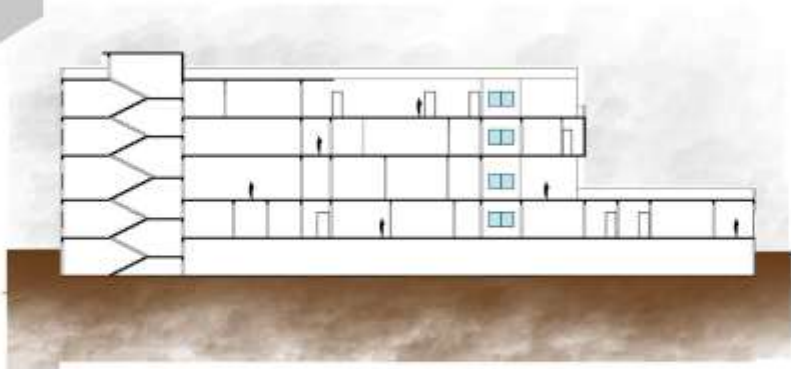
RADIOLOGY : Radiology, also called diagnostic imaging, is a series of different tests that take pictures or images of various parts of the body.

CYTOLOGY : Cytology is the exam of a single cell type, as often found in fluid specimens. It's mainly used to diagnose or screen for cancer.

ORTHOPEDICS LABORATORY : The Orthopaedic Research Laboratories (ORL) promotes strong ties between the basic science and clinical faculty with a highly

TOILET :

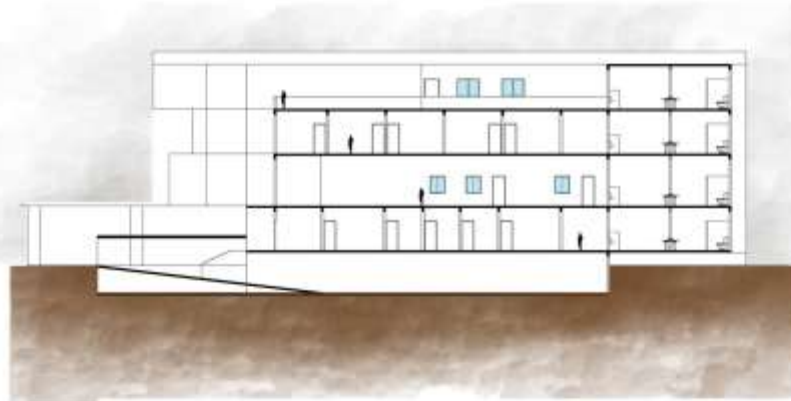




SECTION - A A'



FRONT ELEVATION



SECTION - B B'



BACK ELEVATION



NORTH - EAST ELEVATION



SOUTH - WEST ELEVATION

SECTIONS AND ELEVATION

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SEM VI
H.C.A.T.P

LOCATION- JABALPUR M.P



CLIMATE

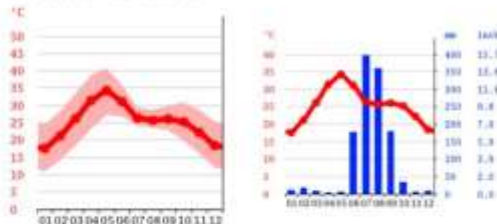
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5-10°C (NIGHT TIME)

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TOPOGRAPHY

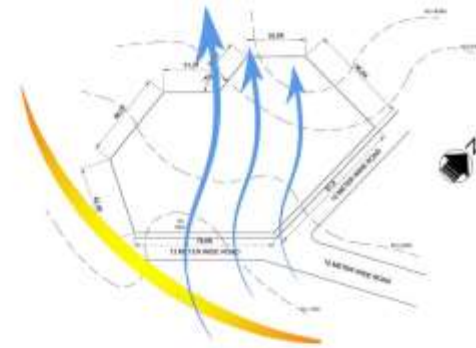
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THE YARRIATION AREA WITHIN 2 MILES OF JABALPUR IS COVERED BY ARTIFICIAL SURFACES (960%), WITHIN 10 MILES BY CROPLAND (64%) AND ARTIFICIAL SURFACE (2.0%) AND WITHIN 50 MILES BY CROPLAND (71%).

VEGETATION OF JABALPUR

The important forest formations which are found in Jabalpur are teak, sal, mixed forests, khair and medicinal plants.



WIND DIRECTION AND SUN PATH



SOIL TYPE

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THE LOAM TO SAND LOAM CONFINED TO THE RIVER COURSE OF NARMDA AND HIRAN IN SHAH PURA AND PATAN BLOCKS.
MEDIUM BLACK SOIL COVERING KUNDAM BARGI, EASTERN PARTS OF SHAHPURA, PANAGAR AND SHORA BLOCKS.
DEEP BLACK BOIL COVERING SHAH PURA, PATAN AND SIHORA BLOCKS.IN NARMADA VALLEY, THE BLACK SOIL IS COMPOSED MAINLY OF CLAY AND SILT WASHED DOWN BY RIVERS.



S.No.	DEPARTMENT	CASE STUDY AREA	STANDARD AREA	PROPOSED AREA
ADMINISTRATIVE SECTION				
1	RECEPTION	85 SQ.M	350 SQ.M	150 SQ.M
2	IN HOUSE PHARMACY	35 SQ.M	25 SQ.M	80 SQ.M
3	ADMPY OFFICE INSURANCE CLAIM	17 SQ.M	9.89 SQ.M	50 SQ.M
4	ACCOUNT OFFICE	31 SQ.M	9 SQ.M	9 SQ.M
5	RECORD ROOM	35 SQ.M	25 SQ.M	30 SQ.M
6	CASH COUNTER		95Q.M	12 SQ.M
7	ADMINISTRATOR	17.5 SQ.M	17 SQ.M	15 SQ.M
8	COMMON TOILET		48 SQ.M	50 SQ.M
9	PHARMACY STORE			10 SQ.M
10	LOCKER ROOM CHANGING ROOM			48 SQ.M
EMERGENCY UNIT				
1	CHECK IN WAITING AREA			30 SQ.M
2	DOCTOR'S CHAMBER PLASTER			20 SQ.M
3	MINDR C.T. DRUGS		30 SQ.M	30 SQ.M
DIAGNOSTIC ZONE				
1	RADIOLOGY LAB	21 SQ.M	150 SQ.M	150 SQ.M
2	BIOCHEMISTRY & MICROBIOLOGY LAB		50 SQ.M	80 SQ.M
3	DOCTOR'S CHAMBER	17.5 SQ.M	17 SQ.M	15 SQ.M
4	PHYSIOTHERAPY		50 SQ.M	150 SQ.M
5	PATHOLOGY LAB			80 SQ.M
6	COMMON TOILET			
INTERMEDIATE ZONE				
1	IN-PATIENT DEPARTMENT		200 SQ.M	100 SQ.M
2	MALE WARD	80 SQ.M	240 SQ.M	240 SQ.M
3	FEMALE WARD	60 SQ.M	240 SQ.M	240 SQ.M
4	NURSING STATION FOR IPD	35 SQ.M	30 SQ.M	50 SQ.M
5	DOCTOR'S DUTY ROOM	21 SQ.M	25 SQ.M	20 SQ.M
O.T. COMPLEX				
1	MINDR O.T.		30 SQ.M	30 SQ.M
2	MAJDR O.T.		48 SQ.M	48 SQ.M
3	PRE OPERATIONAL ROOM		35 SQ.M	35 SQ.M
4	POST OPERATIONAL ROOM		35 SQ.M	35 SQ.M
5	CHANGING ROOM W/ ATT. TOILET	25 SQ.M	4 SQ.M	15 SQ.M
6	SCRUB ROOM		6 SQ.M	6 SQ.M
7	STERILIZED STORAGE		15 SQ.M	15 SQ.M
8	EQUIPMENT ROOM		20 SQ.M	20 SQ.M
9	CLEANING ROOM		9 SQ.M	9 SQ.M
ICU / CCU / HDU				
1	EQUIPMENT ROOM		22.5 SQ.M	22.5 SQ.M
2	SERVICE ROOM		25 SQ.M	25 SQ.M
3	TREATMENT AREA		24 SQ.M	24 SQ.M
4	AREA PROPOSED FOR TIME BED		20 SQ.M	20 SQ.M
5	DISPOSAL		13 SQ.M	13 SQ.M
6	DOCTOR'S ROOM		3 SQ.M	3 SQ.M
7	TOILET		5 SQ.M	5 SQ.M
8	ISOLATION WARD		18 SQ.M	18 SQ.M
9	ANTE ROOM FOR ISOLATION WARD		4 SQ.M	4 SQ.M
10	LABOUR ROOM		8 SQ.M	8 SQ.M
TREATMENT WARDS				
1	PRIVATE WARDS	17.5 SQ.M	180 SQ.M	180 SQ.M
2	SEMI-PRIVATE WARDS	25 SQ.M	860 SQ.M	860 SQ.M
SERVICE ZONE				
1	OWYGEN ROOM		20 SQ.M	25 SQ.M
2	GENERATOR ROOM		20 SQ.M	25 SQ.M
3	HOUSE KEEPING		30 SQ.M	30 SQ.M
4	SYSTEM		30 SQ.M	36 SQ.M
5	LAUNDRY		30 SQ.M	25 SQ.M
SPECIAL CLINIC				
1	DIABETES CLINE		18 SQ.M	18 SQ.M
2	BLOOD PRESSURE CLINIC		18 SQ.M	18 SQ.M
3	THYROID CLINE		18 SQ.M	18 SQ.M
4	PSYCHIATRY CLINIC		18 SQ.M	18 SQ.M
OTHER REQUIREMENT				
1	COMMON TOILET		60 SQ.M	84 SQ.M
2	CANTEEN		48 SQ.M	50 SQ.M
3	BASEMENT PARKING FC	36 SQ.M	37 SQ.M	35 SQ.M
4	AMBULANCE PARKING FOR ONE			14 SQ.M
5	BLOOD BANK	188.5 SQ.M	30 SQ.M	30 SQ.M
6	MORTUARY BLOCK		42 SQ.M	45 SQ.M
7	STAFF PARKING		29 SQ.M	25 SQ.M

AREA PROGRAM

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