



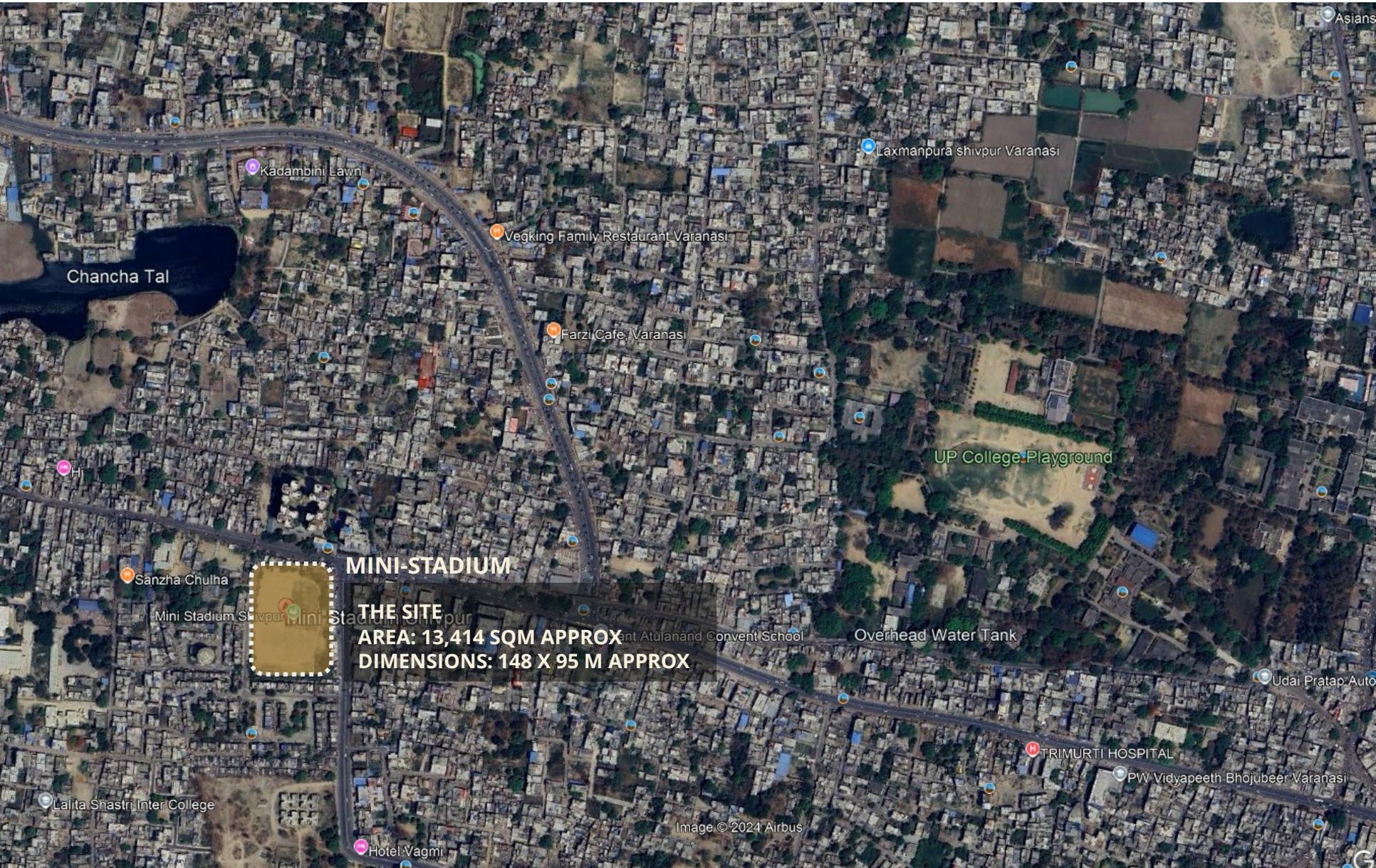
**REDESIGN OF MINI STADIUM AT  
SHIVPUR, VARANASI**

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**DESIGN PRESENTATION**

**PRESENTED BY:  
VARANASI DEVELOPMENT AUTHORITY**

## THE SITE



## EXISTING CONDITION- MINI STADIUM

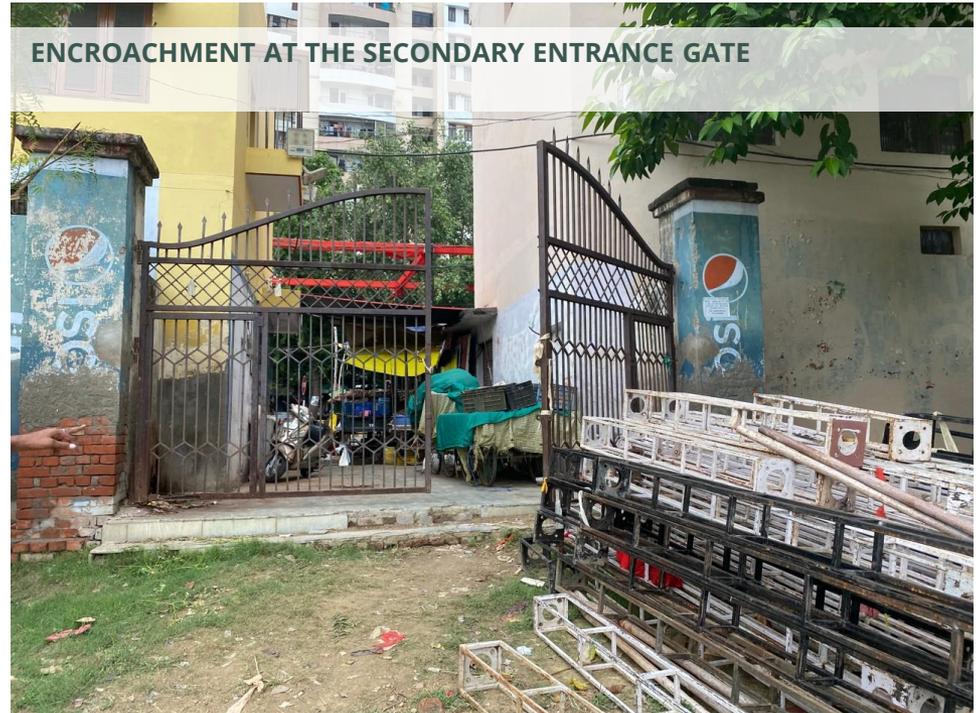


## EXISTING CONDITION- MINI STADIUM

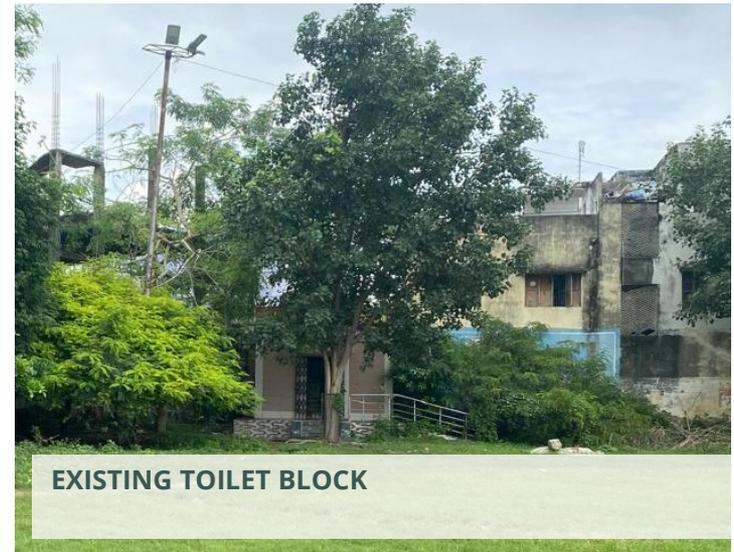
PRIMARY ENTRANCE GATE AND BOUNDARY WALL



ENCROACHMENT AT THE SECONDARY ENTRANCE GATE



## EXISTING CONDITION- MINI STADIUM



## EXISTING CONDITION- MINI STADIUM



EXISTING SENIOR CITIZEN AREA



EXISTING SENIOR CITIZEN AREA



EXISTING STORE

## EXISTING CONDITION- MINI STADIUM

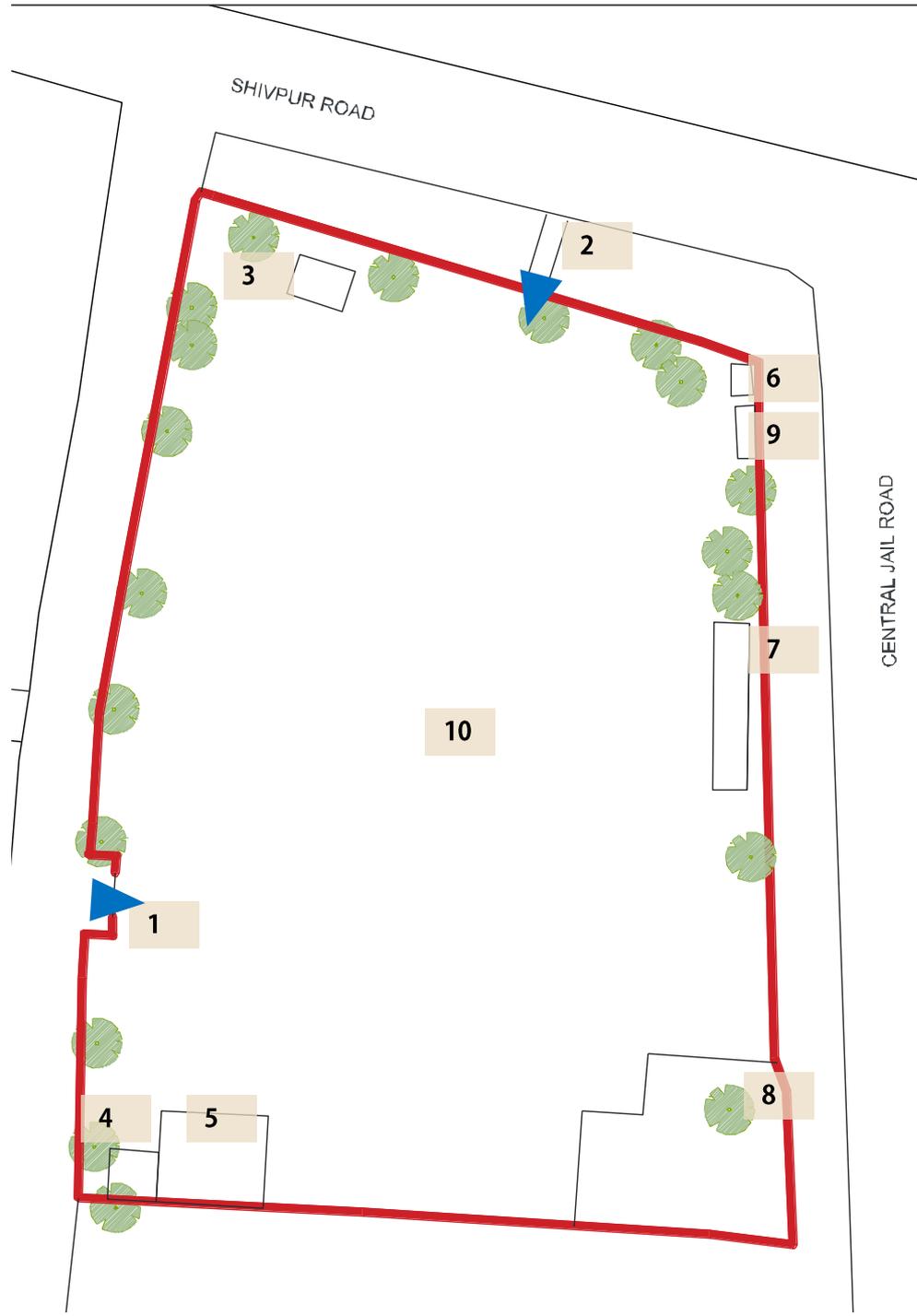




## EXISTING PLAN- MINI STADIUM

### EXISTING FACILITIES

1. MAIN ENTRY
2. SECONDARY ENTRY
3. EXISTING OPEN GYM
4. EXISTING STORE
5. EXISTING CRICKET PRACTICE NETS
6. EXISTING TOILET BLOCK
7. EXISTING SITTING STEPS
8. EXISTING SENIOR CITIZENS YOGA AREA
9. EXISTING STRUCTURE
10. PLAYING FIELD



# SITE PLAN- MINI STADIUM

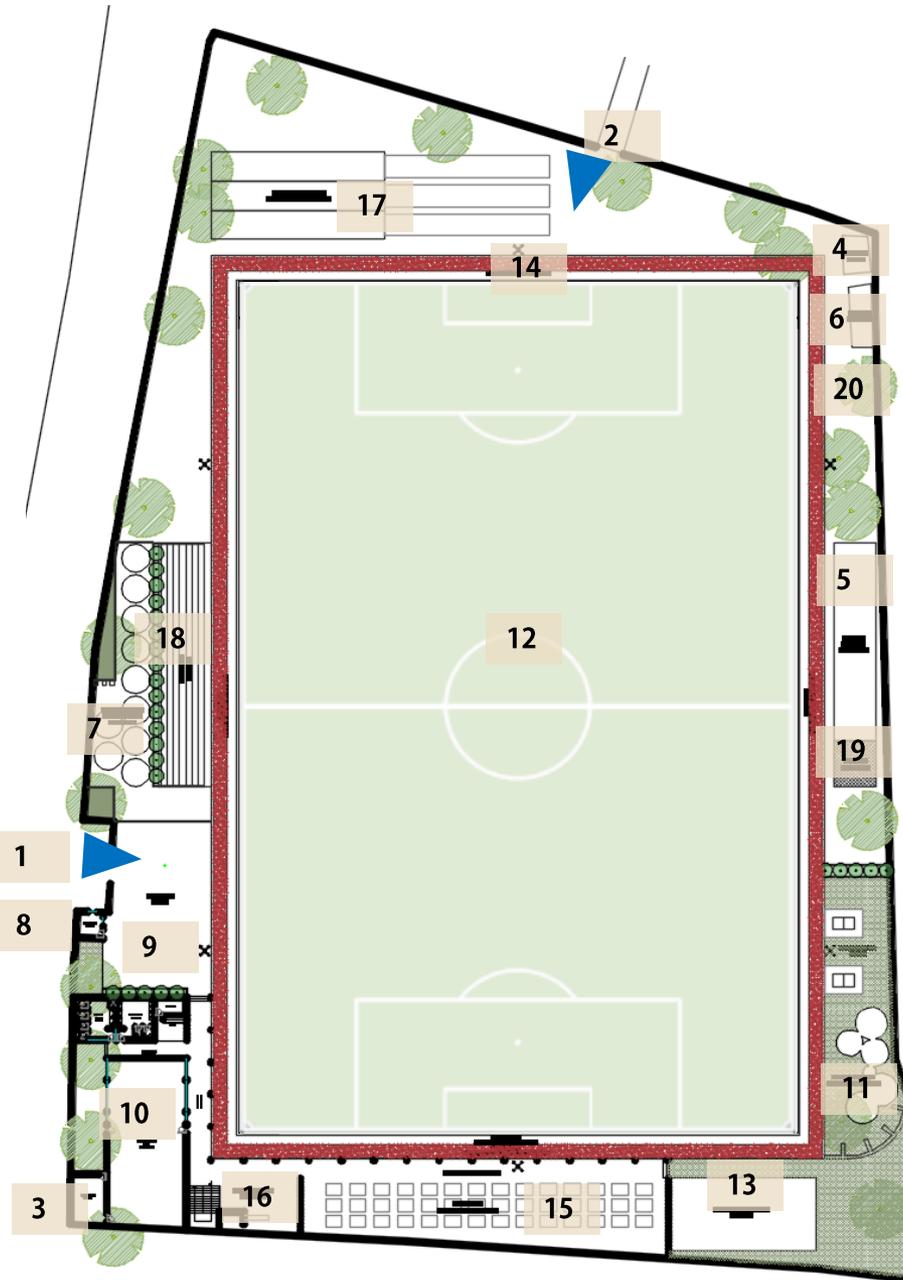
**SITE DIMENSIONS: 95X148M**  
**FOOTBALL FIELD: 68 X 105M**  
**HOCKEY FIELD: 55 X 91.4M**

## EXISTING FACILITIES

1. MAIN ENTRY
2. SECONDARY ENTRY
3. STORE
4. EXISTING TOILET BLOCK
5. EXISTING SITTING STEPS (200+ PERSONS)
6. EXISTING STRUCTURE

## PROPOSED FACILITIES

7. OPEN GYM
8. GUARD HUT
9. ENTRANCE PLAZA 01
10. G+1 HT.BUILDING (530.0 SQM GROUND COVERAGE)
- G.F.:INDOOR GAME HALL (20X 10 M)
- F.F.:TWO CHANGING ROOMS
11. CHILDRENS PLAY AREA & SENIOR CITIZEN AREA
12. FOOTBALL & HOCKEY PLAYFIELD
13. VOLLEYBALL COURT
14. 358M LONG, 3.0M WIDEWALKING TRACK
15. YOGA PAVILLION (43 Persons)
16. CANTEEN AREA
17. CRICKET PRACTICE NETS
18. PROPOSED SITTING PAVILLION (5X30M, 250+ PERSON CAPACITY)
19. EXTENSION OF EXISTING SITTING PAVILLION TO ACHIEVE 250+ PERSON CAPACITY.
20. STORE



## OTHER WORKS:

1. REPAIR OF BOUNDARY WALL. INCREASE IN HEIGHT AND BARBED WIRE FENCING.
2. WALL ART PAINTING ON BOUNDARY WALL
3. SHIFTING OF SECONDARY ENTRANCE GATE
4. IMPROVEMENT OF SENIOR CITIZEN YOGA AREA
5. REPAIR OF STORE
6. CANOPY OVER SITTING PAVILLION
7. SUPPLY OF GOALS, PLAYING KIT
8. LIGHTING
9. REDESIGN OF ENTRANCE GATE
10. SAND FILLING TO PREVENT WATERLOGGING

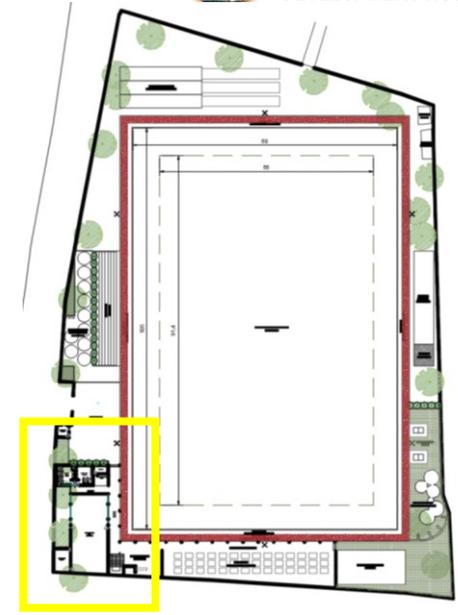
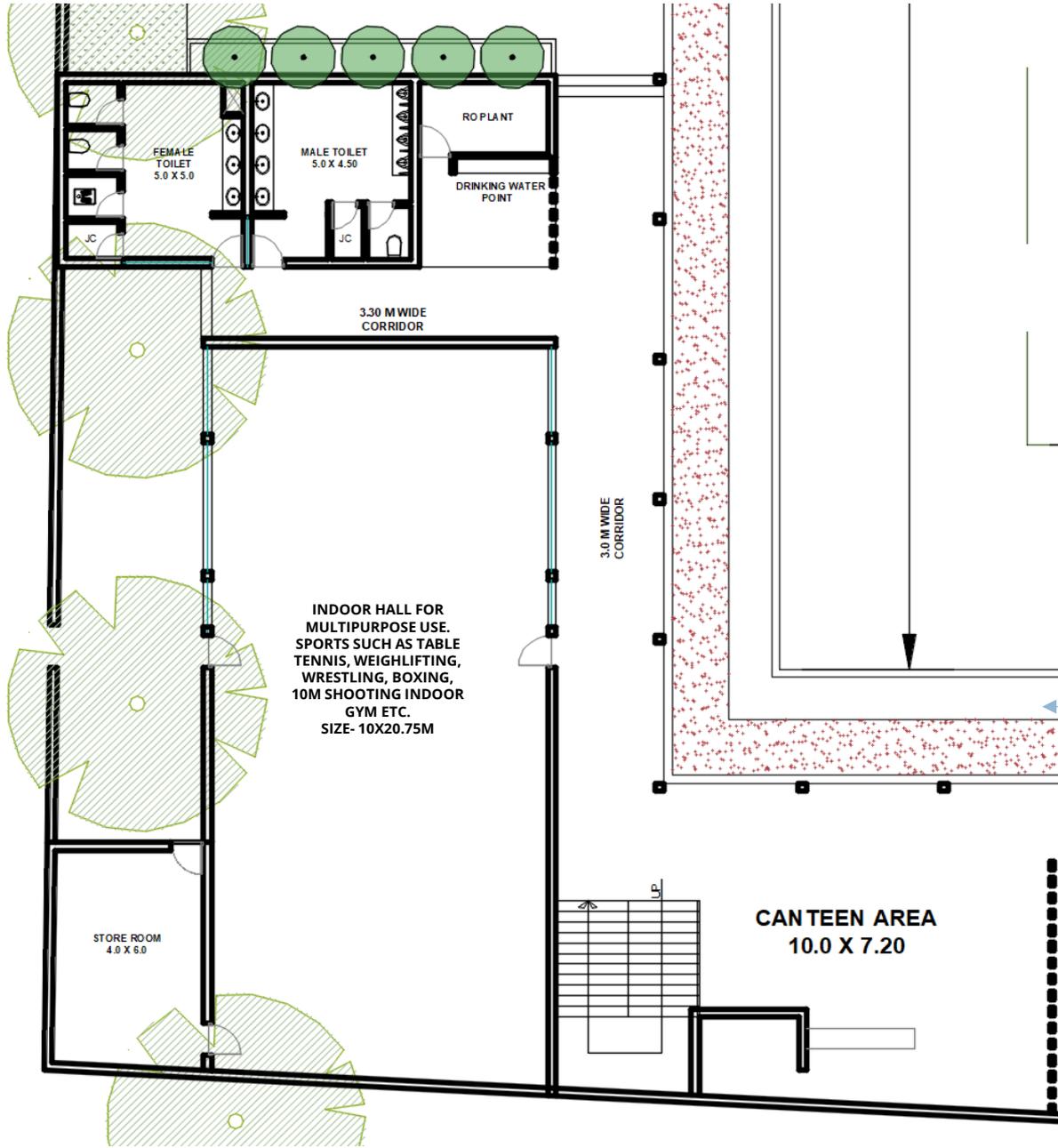
## NOTE:

NATURAL GRASS SURFACING FOR PLAY FIELD TO BE IMPLEMENTED BECAUSE THE SPACE IS ALSO TO BE USED FOR ESTABLISHMENT OF DURGA MANDAP BY LOCALS

# GROUND FLOOR PLAN OF BUILDING



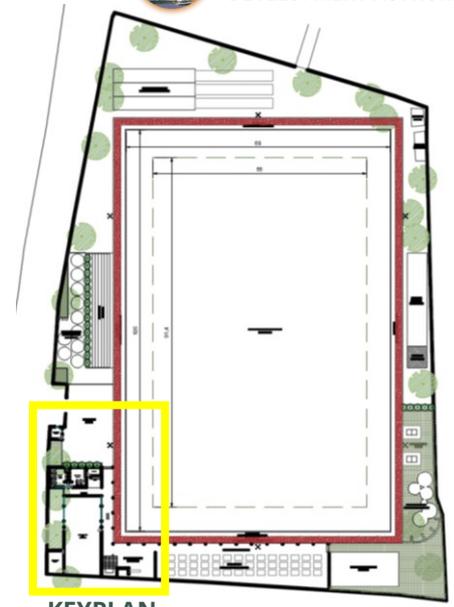
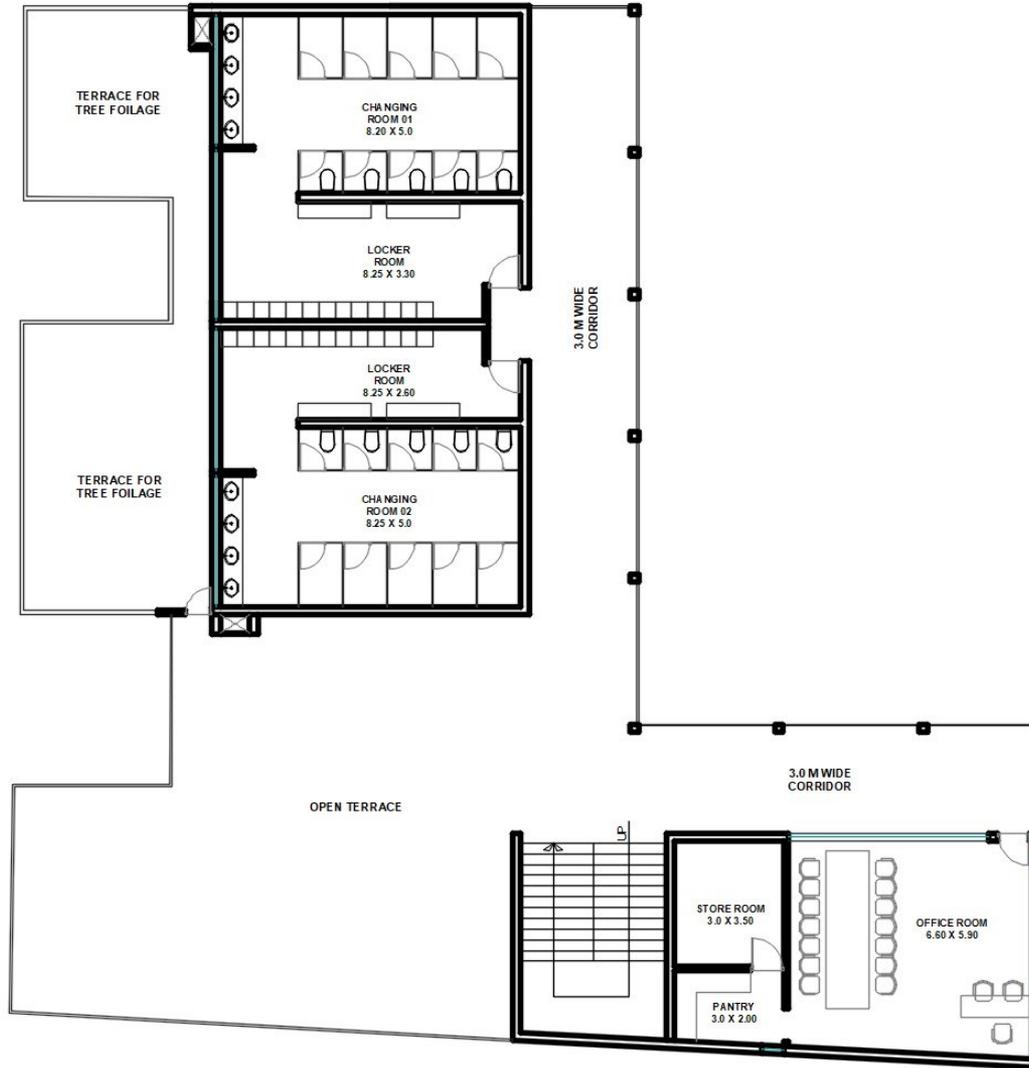
**VARANASI**  
DEVELOPMENT AUTHORITY



KEYPLAN

**358M LONG, 3.0M WIDE WALKING TRACK. WALKING TRACK WILL HAVE 1.2M PAVED AND 1.8M WIDE UNPAVED (RED BAJRI) WALKING SPACE.**

# FIRST FLOOR PLAN OF BUILDING BLOCK

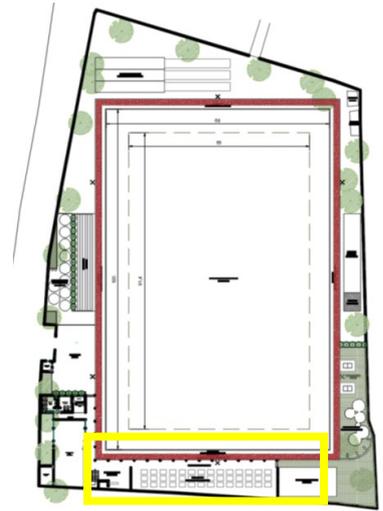


**KEYPLAN**

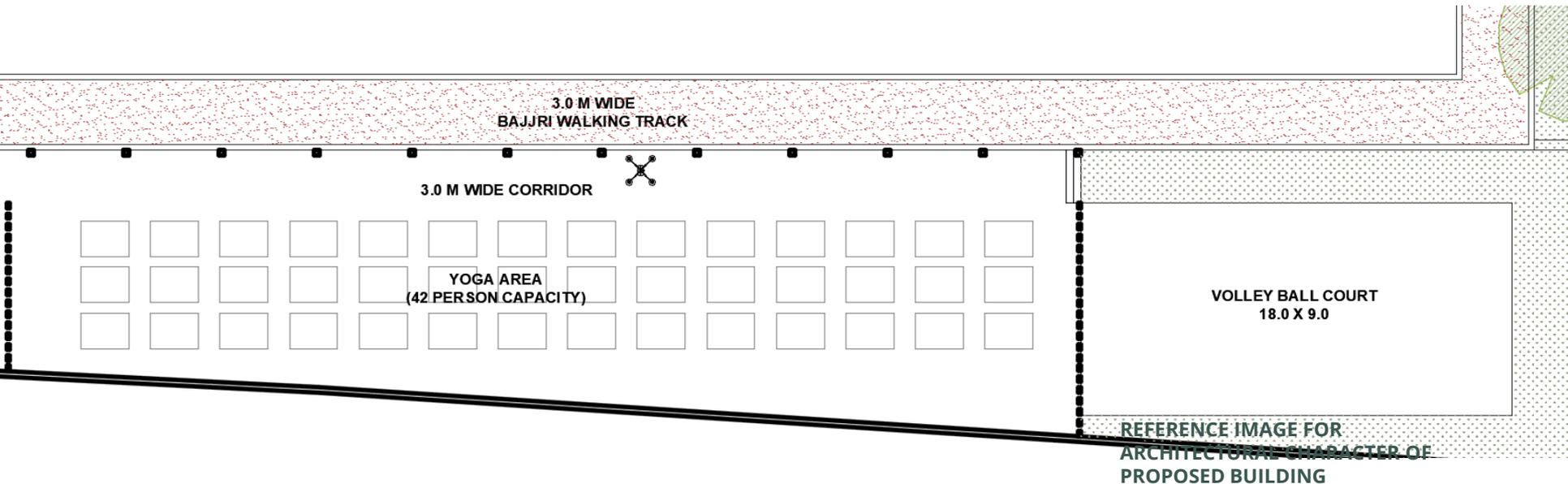
# PART PLAN



**SEMI COVERED YOGA PAVILLION WITH WOODEN AESTHETIC TILE FLOORING AND MANGALORE TILES ROOF**



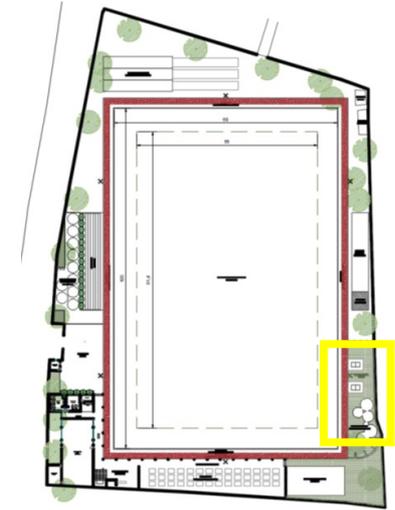
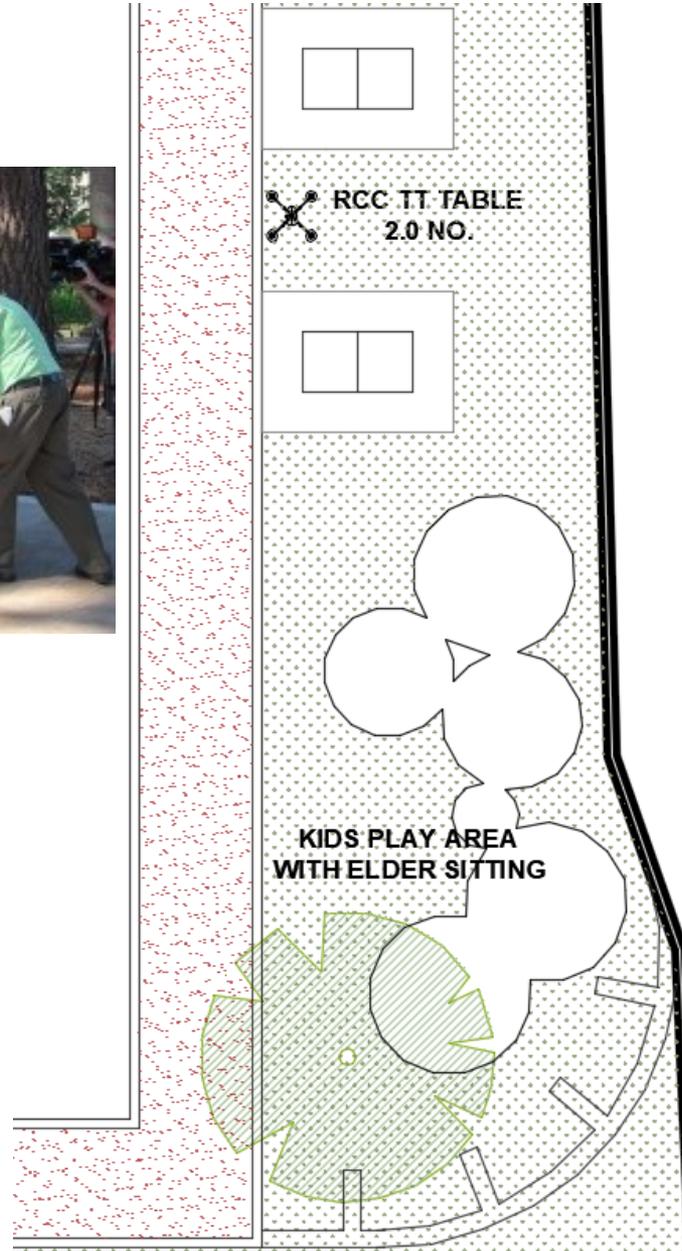
**KEYPLAN**



# PART PLAN

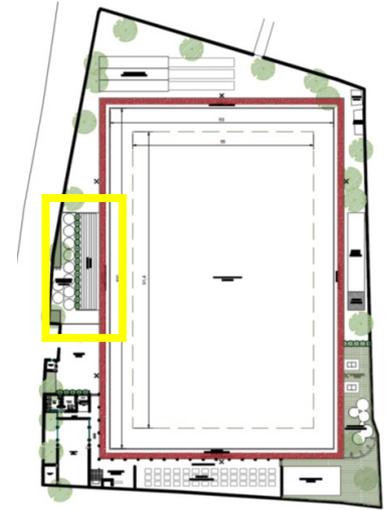
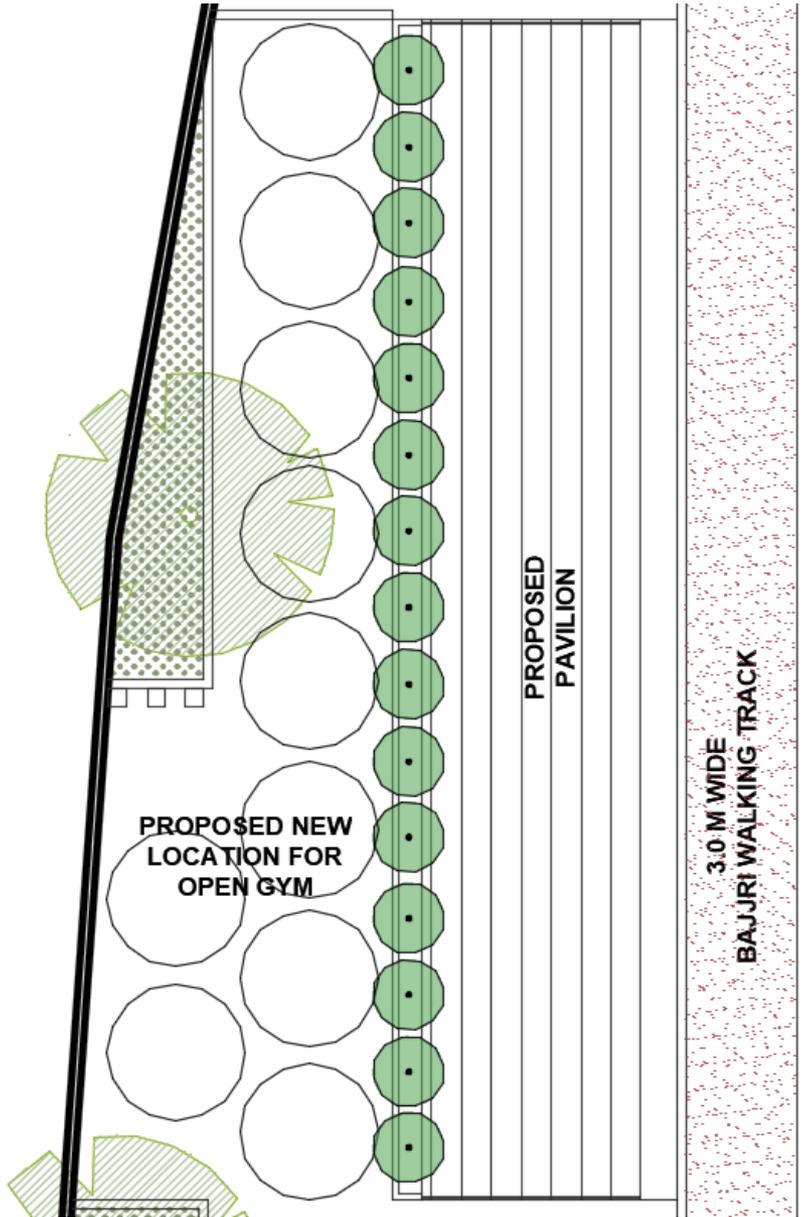


COMBINED KIDS PLAY AREA WITH SENIOR CITIZENS PARK



KEYPLAN

# PART PLAN



KEYPLAN



## PROPOSED HOCKEY FACILITY

Excerpts from Handbook on Field of Play and Specifications for Sports Infrastructure at SAI Part-I

### 1 HOCKEY

#### 1.1 Field of play (Compiled from FIH Handbook)

The information below provides a simplified description of the field of play.

- The field of play is rectangular, 91.40 metres long and 55.00 metres wide.

- The playing surface must continue (to create "run-off" areas) for a minimum of 2 metres at the back-lines and 1 metre at the side-lines with an additional unobstructed 1 metre in each case (that is, a total of 3 metres at the ends and 2 metres at the sides of the field). These are minimum requirements with the respective recommended areas being 3 plus 2 metres and 2 plus 1 metres (that is, a total of 5 metres at the ends and 3 metres at the sides of the field).

**Note:** These unobstructed areas may be surfaced with material different to the synthetic playing surface and may accommodate structures and/or fittings such as drain covers or covered reticulation channels.

### 1. AS PER SPORTS AUTHORITY OF INDIA, DIMENSIONS OF PLAYFIELD PROPOSED ARE 91.4 X 55 M

#### Recommendations

- ❖ **Global Category Turf (water based)** is recommended to be used in
  - Regional Centers /Academic Institution
  - STCs/SAGs where the synthetic turf is used by National Campers/Elite Trainees (with the approval of DG SAI)
- ❖ **National Category Turf (Non water based)** is recommended to be used in all other locations
- ❖ **Grass Turf** : is recommended to be used in remote SAI Centers and other STCs/SAGs where synthetic turf could not be laid due to budget constraint

### 2. AS PER SPORTS AUTHORITY OF INDIA, GRASS TURF IS ALLOWABLE. GRASS TURF IS PROPOSED DUE TO FUNCTIONAL CONSTRAINTS

## PROPOSED VOLLEYBALL FACILITY

### 5.2 SPECIFICATIONS FOR VOLLEYBALL COURT FOR SAI CENTRES

For FIVB, World and Official Competitions, only a wooden or synthetic surface is allowed.

**Any surface must be previously approved by the FIVB,**

#### 5.2.1 OUTDOOR VOLLEYBALL COURT FLOORING

- Volleyball is officially an indoor game, and there are no FIVB guidelines for outdoor floor surface .
- SAI Centers may have a mix of all type of court flooring i.e. Natural Grass, Clay, or Synthetic Acrylic at the discretion of the SAI Centre in charge
- Synthetic Acrylic flooring is preferred due to long life and it is maintenance free. 8 layers cushioned Synthetic Acrylic color coating over asphaltic or concrete base should be provided, as for long hours of training, cushioned layers reduces fatigue on player's legs ankles and feet and injury.
- Synthetic Acrylic flooring product should be approved by ITF to ensure its quality

### 1. AS PER SPORTS AUTHORITY OF INDIA, CLAY COURT IS SUITABLE FOR OUTDOOR PLAY

	Recreation I	Club/ County/ Regional	National	International
<b>Playing area</b>				
Length	18.0	18.0	18.0	18.0
Width	9.0	9.0	9.0	9.0
Backline clear space	3.0	3.0	5.0	8.0
Sideline clear space	3.0	3.0 min	3.0 min	5.0
Officials' space (additional on one side)	–	2.0	2.0	3.0
Spectators' margin (additional on the other three sides)	–	–	2.0	3.0
<b>Minimum overall space</b>				
Area	24 x 15	24 x 17	28 x 19	40 x 25
Clear height	7.0	8.0	10.5	12.5

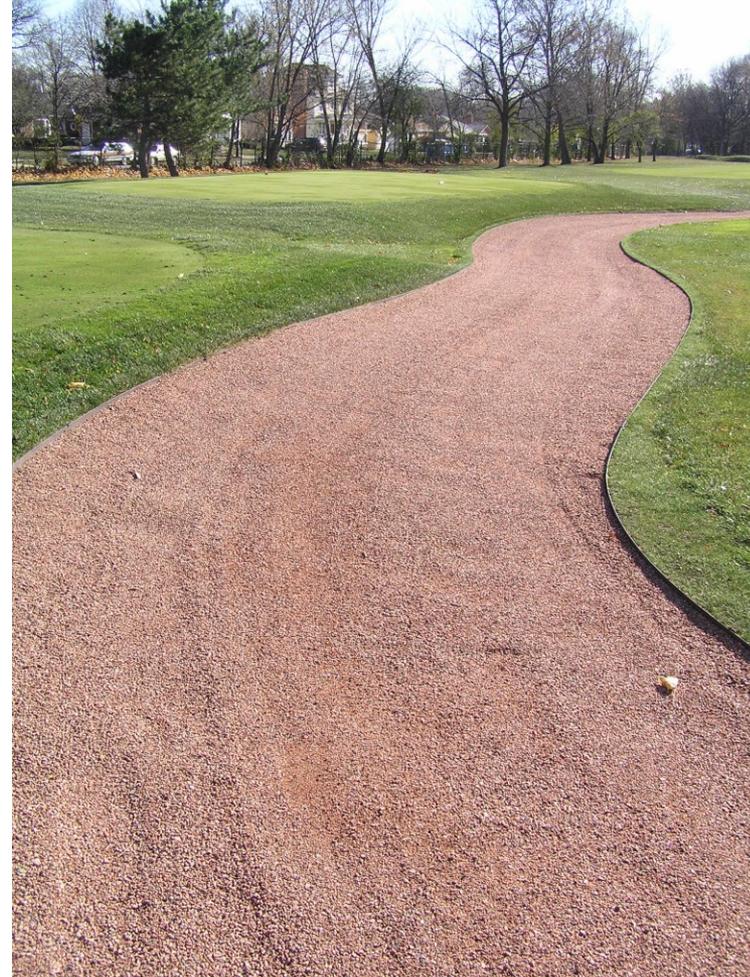
### 2. REQUIRED PLAYFIELD DIMENSIONS ARE 18 X 9M WHICH HAS BEEN PROVIDED



**PROPOSED TENSILE ROOFING OVER SITTING PAVILLION OF AROUND 250+ PERSONS**



**RAISED BOUNDARY WALL WITH BARBED WIRE FENCING**



**3M WIDE RED BAJRI WALKING TRACK AND STONE BENCHES**



REFERENCE IMAGE FOR PROPOSED GATE DESIGN

## COST ESTIMATE

### SUMMARY OF ESTIMATED COST

IMPLEMENTING AGENCY : Varanasi Development Authority ,Varanasi UP.

PROJECT NAME : - SHIVPUR MINI STADIUM PLAYGROUND, VARANASI

S. NO.	DETAIL OF ITEM			COST OF ESTIMATE
1	COST OF BOUNDARY WALL REPAIR, 3.0 M WIDE PATHWAY ALONG COURT, FILLING OF SOIL, ENTRANCE GATE & IRRIGATION WORK (OUTDOOR CIVIL WORK)			₹11,218,920.70
2	COST OF GRASS WORKS FOR HOCKEY GROUND			₹1,189,880.00
3	COST OF HOCKEY GOAL POST, FOOTBALL GOAL POST & VOLLY BALL NET & POST			₹300,000.00
4	COST OF HOCKEY & FOOTBALL COURT CHAINLINK FENCING ON ONE SIDE ONLY			₹408,000.00
5	COST OF GUARD HUT			₹250,000.00
6	COST OF 6.0 NOS. 12.5 M HIGH POLE WITH FLOOD LIGHT			₹1,800,000.00
7	COST OF 1.0 NOS. DRINKING WATER FACILITY			₹120,000.00
8	COST OF TENSILE CANOPY FOR STANDS AREA: 450 SQ.M. (4000/- PER SQ M)			₹1,800,000.00
9	COST OF CHILDRENS PLAY AREA			₹1,026,807.00
10	COST OF BUILDING WITH MULTIPURPOSE HALL, CHANGING ROOMS, DRINKING WATER & PUBLIC TOILETS			₹32,652,945.35
11	Shifting of Open Gym with Equipments & flooring			₹367,500.00
12	TOTAL COST		A	₹51,134,053.05
13	Add 1.5% for Consultancy fees on A		B	₹767,010.80
14	18% GST on (A+C)	18.0%	C	₹9,204,129.55
15	Total (A+B+C+D)		D	₹61,105,193.40
			Say in Lakhs	611.05

## O&M MODEL

THE NEW FACILITIES DEVELOPED CAN BE MAINTAINED BY VDA ITSELF. THE REVENUE FOR SAME CAN BE EARNED FROM CANTEEN, INDOOR HALL RENTAL AND PLAY COURT RENTAL.



**VARANASI**  
DEVELOPMENT AUTHORITY