



PROPOSED COMMERCIAL COMPLEX

BLOCK E, SECTOR 18, ROHINI, NEW DELHI

INTRODUCTION

The proposed context has considered the surrounding urban context vehicular and pedestrian pattern as well as shared open spaces. The building envelope maximizes natural light and ventilation whilst carefully considering privacy and views. The proposal is a landmark development that addresses inner city urban living. It has incorporated both high quality common spaces that engage with external environment and surrounding context.

The report provides details of the proposed commercial building at Rohini, New Delhi. Furthermore the purpose of the report is to provide clear understanding of the architectural intent of the development and how it responds to the surrounding context.

All proposed construction system in this report are locally available and most experienced contractors in the region would be able to complete such works. Shading studies of the building have been provided to obtain an initial understanding of the impact of the shading and in reduction of solar gain that could occur with a proposal of this nature. The overall strategy of this facade system design takes into account the building maintenance and fire/emergency access requirements.

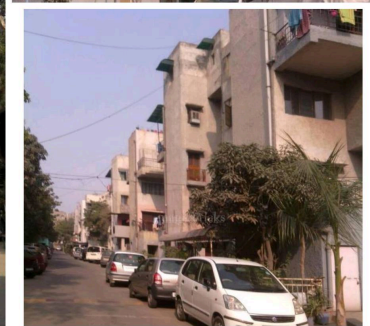
SITE CONTEXT



PETROL PUMP



DATARAM APARTMENTS



AASTHA KUNJ APARTMENTS

COMMERCIAL COMPLEX, ROHINI, NEW DELHI

PROJECT CONTEXT

LOCATION

The project is to be built at Block E, Rohini, New Delhi.

CLIMATE

The climate of Delhi is monsoon- influenced humid sub tropical and thermal comfort is typically provided by shading and cooling equipment.

TEMPERATURE

The average maximum temperature in May is 40° C and the average minimum in December - January is 8° C. Relative humidity averages 50-60% throughout the year.

RAINFALL

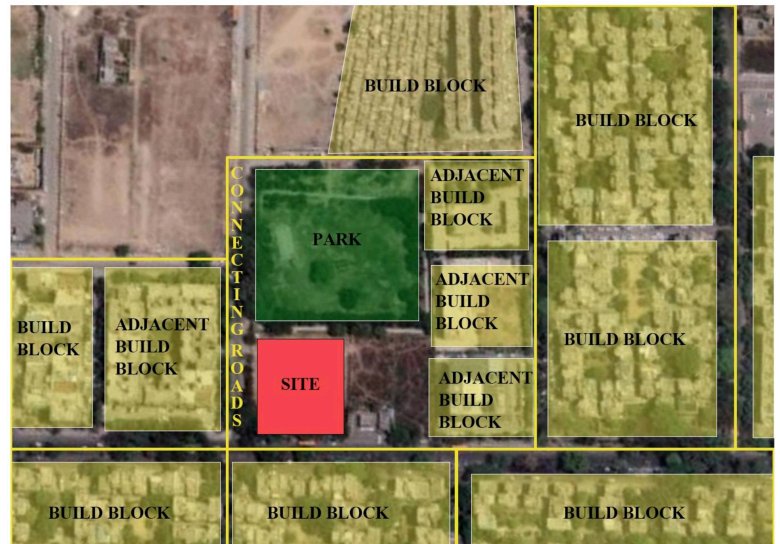
Known as the city with 5 seasons , New Delhi’s monsoon season is from July to September . Average rainfall during this time can exceed 180mm, whereas there can be no little to no rainfall outside of these months.

DUST STORM

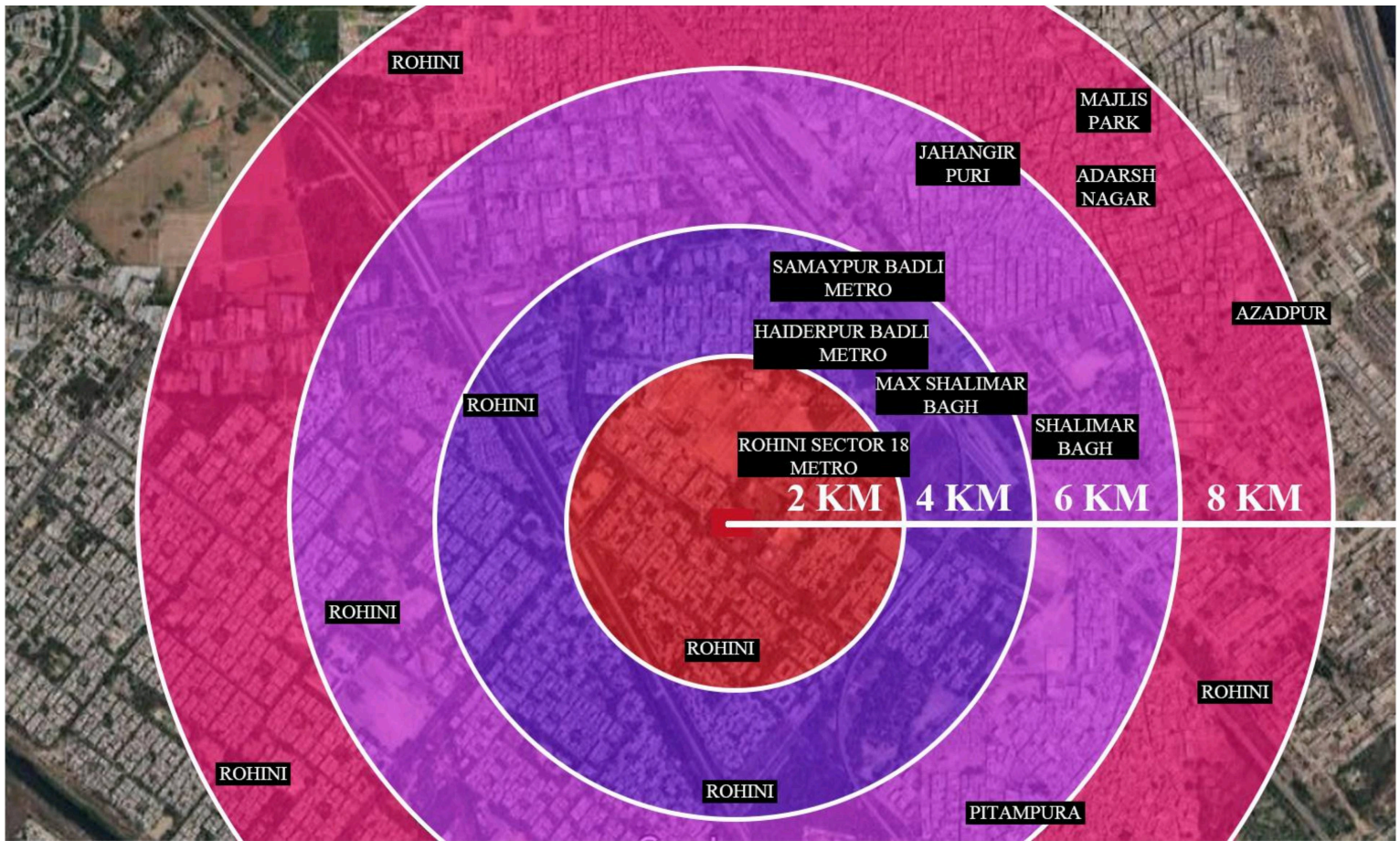
Due to Delhi’s prominent dry periods each year dust and dust storms can be a significant problem particularly when accompanied by strong winds.



NEIGHBORHOOD CONTEXT



NEIGHBOURHOOD PLACES



COMMERCIAL COMPLEX, ROHINI, NEW DELHI



SPACE
DESIGN
GROUP

ROAD NETWORK & CONNECTIVITY



SPACE
DESIGN
GROUP

COMMERCIAL COMPLEX, ROHINI, NEW DELHI

PROPOSED AREA CHART



**SPACE
DESIGN
GROUP** :E
GROUP

AREA PROGRAM



AREA ANALYSIS		
(COMMERCIAL CUM MULTIPLEX WITH MLCP BLOCK)		
TOTAL PLOT AREA		4489.0 SQ.M.
PERMISSIBLE F.A.R. (AS PER CONTROL NORMS)		4489.0 SQ.M.
PROPOSED F.A.R.		4489.0 SQ.M.
PERMISSIBLE GROUND COVERAGE (AS PER CONTROL NORMS)	50% + 10%	2693.40 SQ.M.
PROPOSED GROUND COVERAGE		2400.19 SQ.M.
PROPOSED MAXIMUM HEIGHT OF COMMERCIAL BUILDING (FROM ROAD LVL.)		14.0 MT.

PARKING CALCULATION					
REQUIRED PARKING CALCULATION					
	F.A.R. AREA	SPACE PER E.C.S.	REQUIRED NO. OF E.C.S.		
REQUIRED E.C.S. FOR COMMERCIAL	4489.0	2 E.C.S./100 Sqm.	90 E.C.S		
PROPOSED PARKING CALCULATION					
LVLS.	PARKING AREA	SPACE PER E.C.S.	PROPOSED NO. OF E.C.S.	PROPOSED NO. OF CARS	
UPPER BASEMENT	1260.88	32 SQ.M. / E.C.S.	39.40 E.C.S	17	CARS
LOWER BASEMENT	2377.46	32 SQ.M. / E.C.S.	72.29 E.C.S	73	CARS
TOTAL PROPOSED			111.69 E.C.S.	90	CARS
NOTE:- TOTAL REQUIRED E.C.S. IS 90 & PROPOSED E.C.S. 111.69 (TOTAL NO. OF CAR PROPOSED IS 90)					

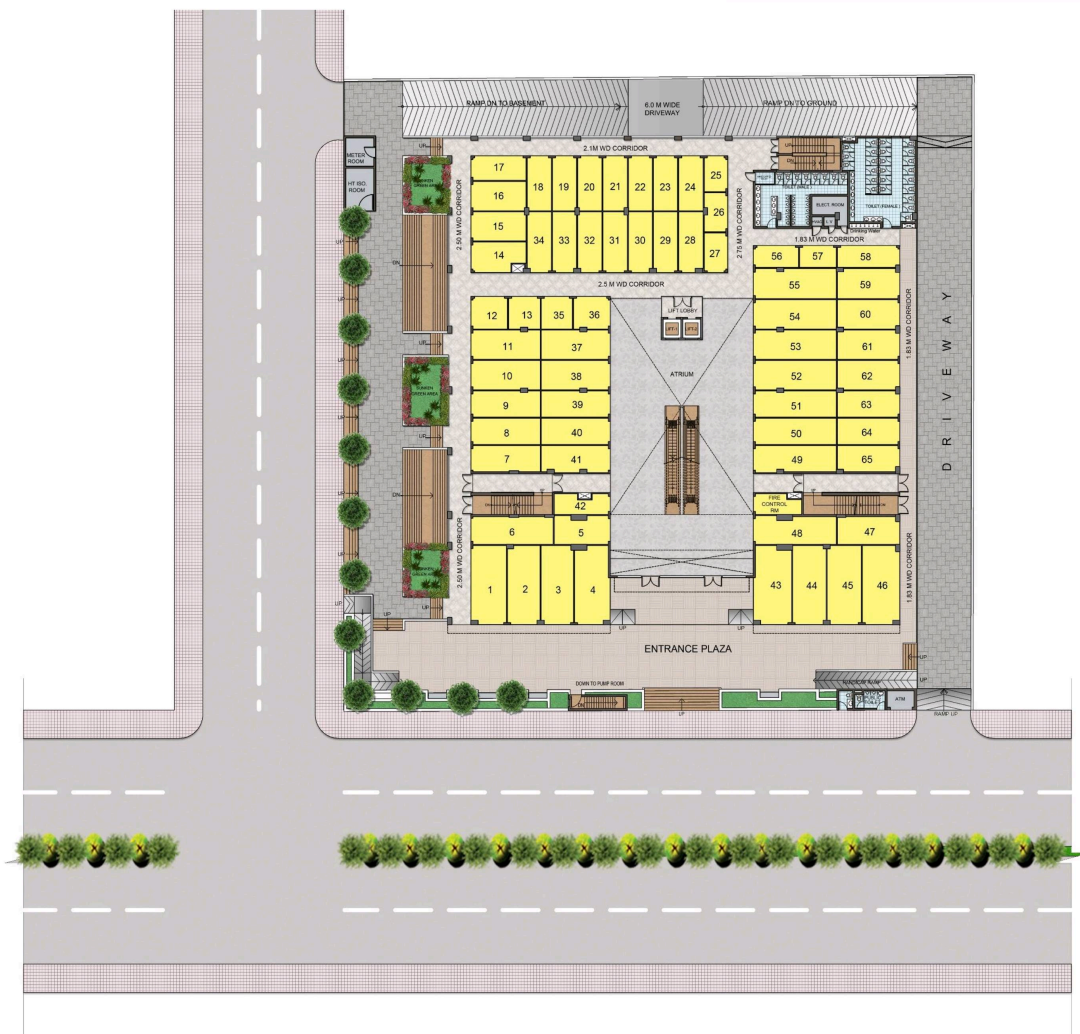


PROPOSED FLOOR PLAN



SPACE
DESIGN
GROUP

SITE PLAN



COMMERCIAL COMPLEX, ROHINI, NEW DELHI



GROUND FLOOR PLAN



D R I V E W A Y

COMMERCIAL COMPLEX, ROHINI, NEW DELHI



FIRST FLOOR PLAN



COMMERCIAL COMPLEX, ROHINI, NEW DELHI



SECOND FLOOR PLAN



UPPER BASEMENT PLAN



COMMERCIAL COMPLEX, ROHINI, NEW DELHI



PROPOSED VIEW

FRONT VIEW



COMMERCIAL COMPLEX, ROHINI, NEW DELHI

EYE VIEW



COMMERCIAL COMPLEX, ROHINI, NEW DELHI

AERIAL VIEW 01



COMMERCIAL COMPLEX, ROHINI, NEW DELHI

AERIAL VIEW 02



COMMERCIAL COMPLEX, ROHINI, NEW DELHI



AERIAL VIEW 03



COMMERCIAL COMPLEX, ROHINI, NEW DELHI