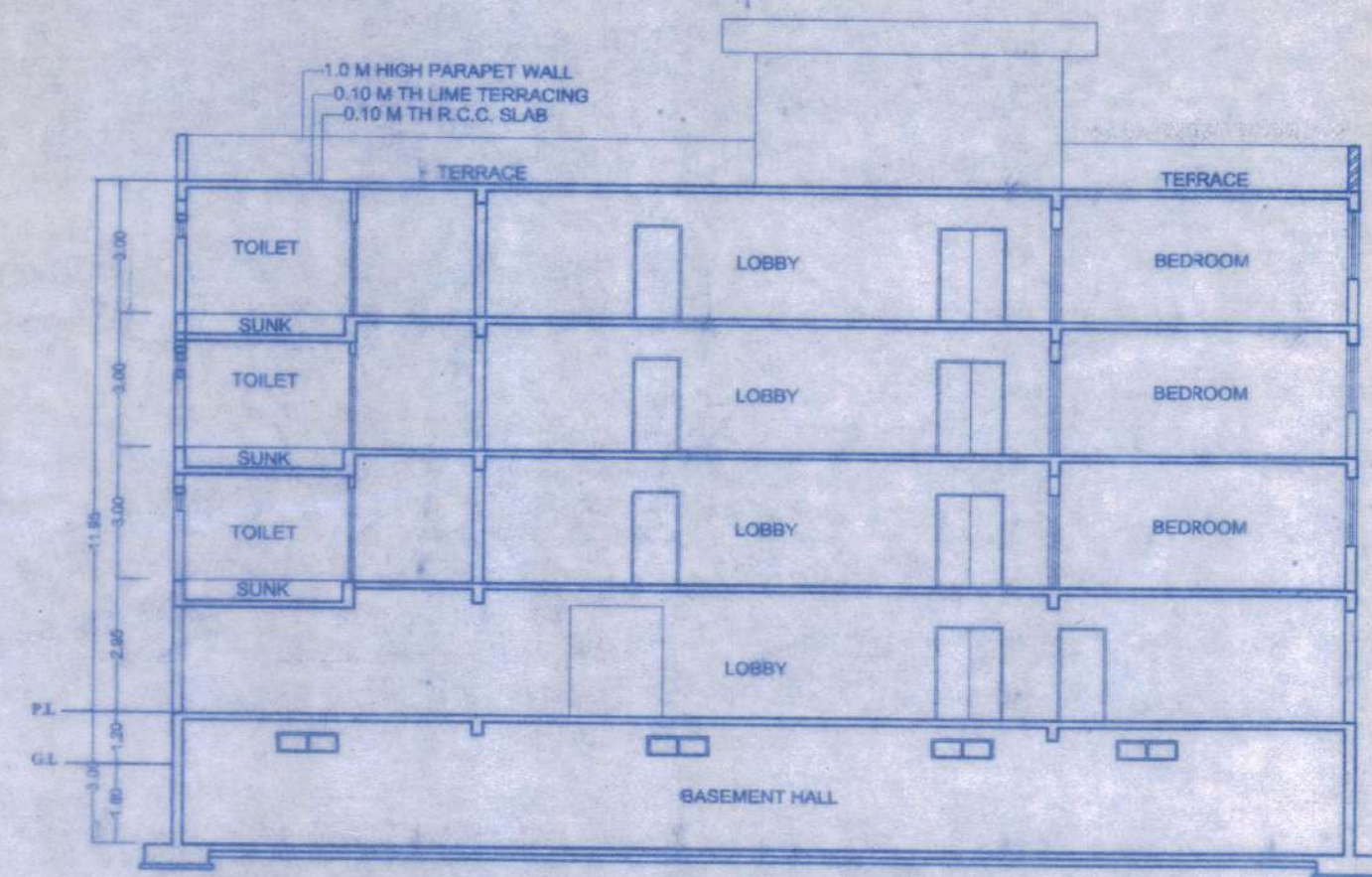
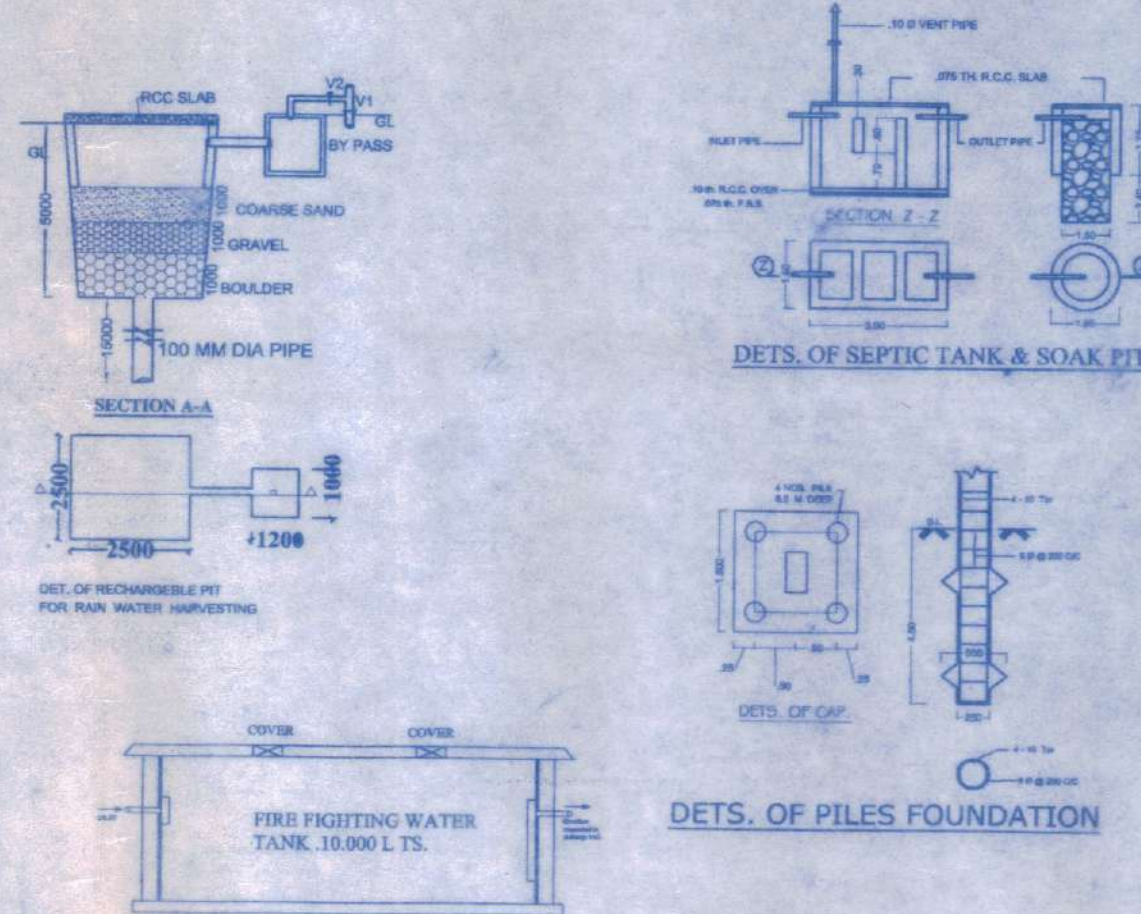




SECTION-BB



Section Of Fire Water Tank

PARKING CALCULATION:-

REQUIRED PARKING @ 30% OF TOTAL B.U. AREA
TOTAL B.U. AREA ALL FLOOR = 2866.26 SQM
SO REQUIRED CAR PARKING = 859.87 SQM
PARKING AREA PROVIDED ON GROUND FLOOR = 876.02 SQM

WATER SUPPLY CALCULATION:-

TOTAL B.U. AREA = 2866.26 SQM
TOTAL CARPET AREA = 2866.26/2 = 1433.13 SQM
TAKING DENSITY OF 6 SQM PER PERSON
= 1433.13/6 = 238.85, SAY = 239 PERSON
EACH PERSON NEED 45 LTRS. PER DAY
= 239 X 45 = 10755 LTRS. (REQ.)
& FOR FIRE FIGHTING = 50,000 LTRS.
TOTAL REQ. WATER TANK
= 10755 + 20,000 = 30755 LTRS. (REQ.)
PROVIDED WATER TANK SIZE = L x W x H =
4.00X3.20X1.52 = 19.45X2=38.91 CUM. = Ltrs.
TOTAL PROVIDED = 38.91 ltrs

SEPTIC TANK CALCULATION:-

TOTAL B.U. AREA = 2866.26 SQM
TOTAL CARPET AREA = 2866.26/2 = 1433.13 SQM
TAKING DENSITY OF 6 SQM PER PERSON
= 1433.13/6 = 238.85, SAY = 239 PERSON
EACH PERSON NEED 0.085 PER DAY
= 239X0.085 = 20.31 CUM (REQ.)
PROVIDED SEPTIC TANK 1 NOS
SIZE=4.00X3.00X2.50 = 30.00 CUM

GREEN AREA CALCULATION:-

TOTAL NET AREA = 1430.72 SQ.M.
GREEN SPACE AREA % Reqd = 1430.72 10% = 143.07 SQ.M.
TOTAL PROVIDED GREEN SPACE = 175.00 SQ.M.

WATER HARVESTING CALCULATION

TERRACE AREA = 734.20 SQ.M.
REQUIRED W.H CAPACITY 6 CUM FOR 100 SQ.M TERRACE AREA
TOTAL TERRACE = 734.20 SQ.M. REQUIRED WATER HARVESTING
734.20 X 6/100 = 44.05 CUM PROVIDES WATER
HARVESTING SIZE = 5.80X3.50X2.50 = 48.12 CUM.

SCHEDULE OF DOORS & WINDOWS

TYPE	WIDTH	HEIGHT	SILL LVL.	DESCRIPTION
D1	1.05	2.13		FULLY PANELED
D2	0.90	2.13		DO
D3	0.75	2.13		DO
W	1.50	1.35	0.75	FULLY GLAZED
W1	1.22	1.35	0.75	DO
W2	1.22	1.05	1.65	DO
WS	1.83	1.05	1.65	DO
		1.35	0.75	DO
V	0.60	0.60		DO

1. RCC FOOTING FOUNDATION AS PER DETAIL GIVEN IN THIS DRAWING
2. 1ST CLASS BRICK WORK IN CEMENT MORTAR (1:6) IN SUPER STRUCTURE.
3. HEIGHT OF PLINTH FLOOR AREA SHOWN IN SECTION.
4. 1" I.P.S. FLOORING OVER 3" DRY REMMED KHOA OVER FLAT BRICK SOLING OVER LOCAL SAND FILLING
5. 2" TH. DPC ON P.L. ALL ROUND THE BUILDING.
6. 4" TH. LIME CONCRETE OVER 4" TH. RCC SLAB.
7. 4.5" TH. RCC BAND AT DOORS & WINDOWS OPENINGS.
8. 1" TH. CEMENT PLASTER ON BOTH SIDE OF WALL.
9. WHITE & COLOUR WASH AS PER CHOICE.

PROPOSED RESIDENTIAL BUILDING PLAN AT
PLOT NO. 51, PATLIPUTRA COLONY,
PATNA-13. FOR M/S COSMOS HOSPITALITY &
ESTATES PVT.LTD.

SCALE:-

1:100

NORTH

DATE:-

For Cosmos Hospitality &
Estates Private Limited

Seepak Yadav

Managing Director

SIGN OF OWNER

Pradeep Kumar
C/no 06/EA/25th

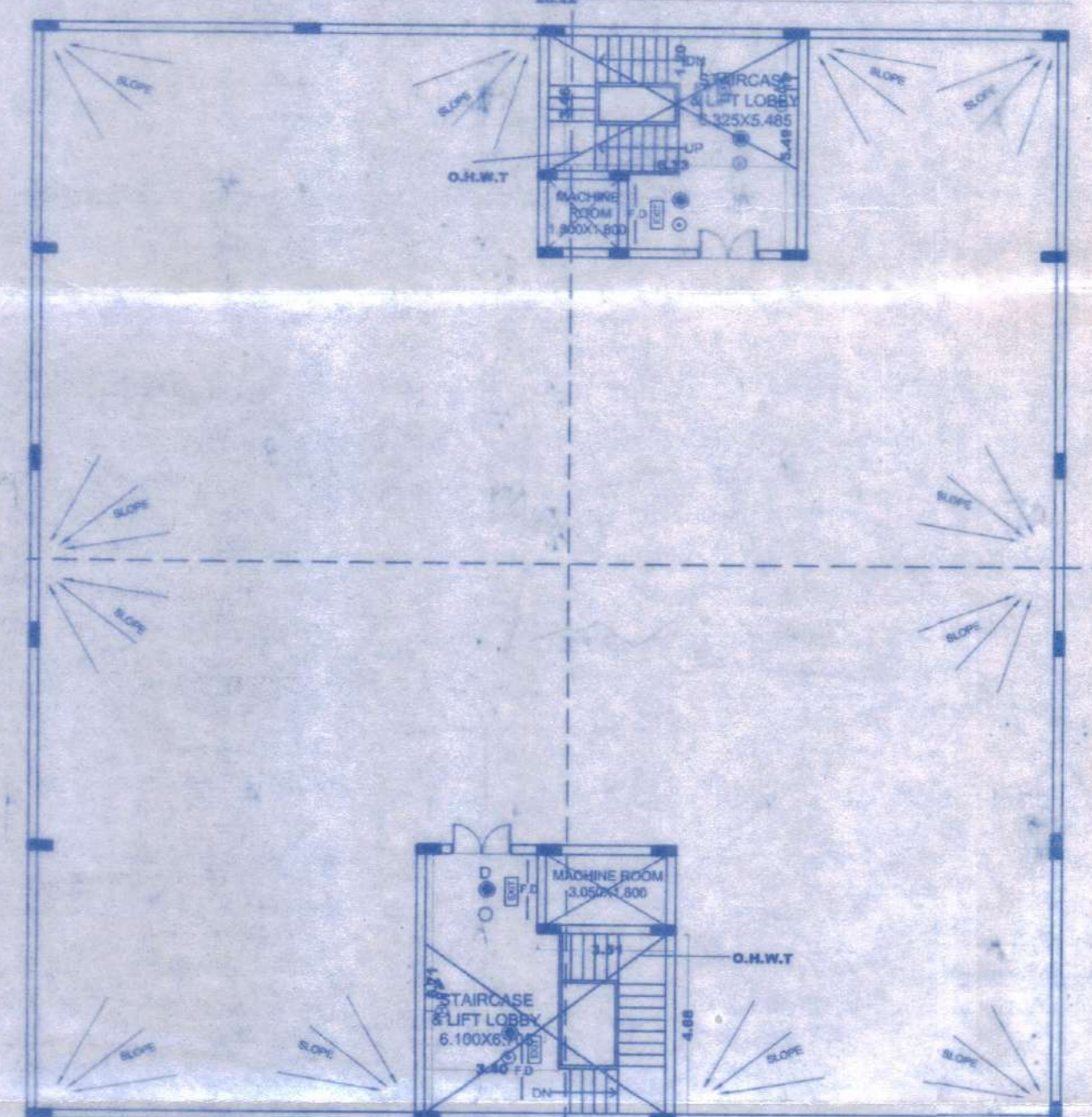
Er. Pradeep Kumar

B.E.A.M.I.E (CIVIL)

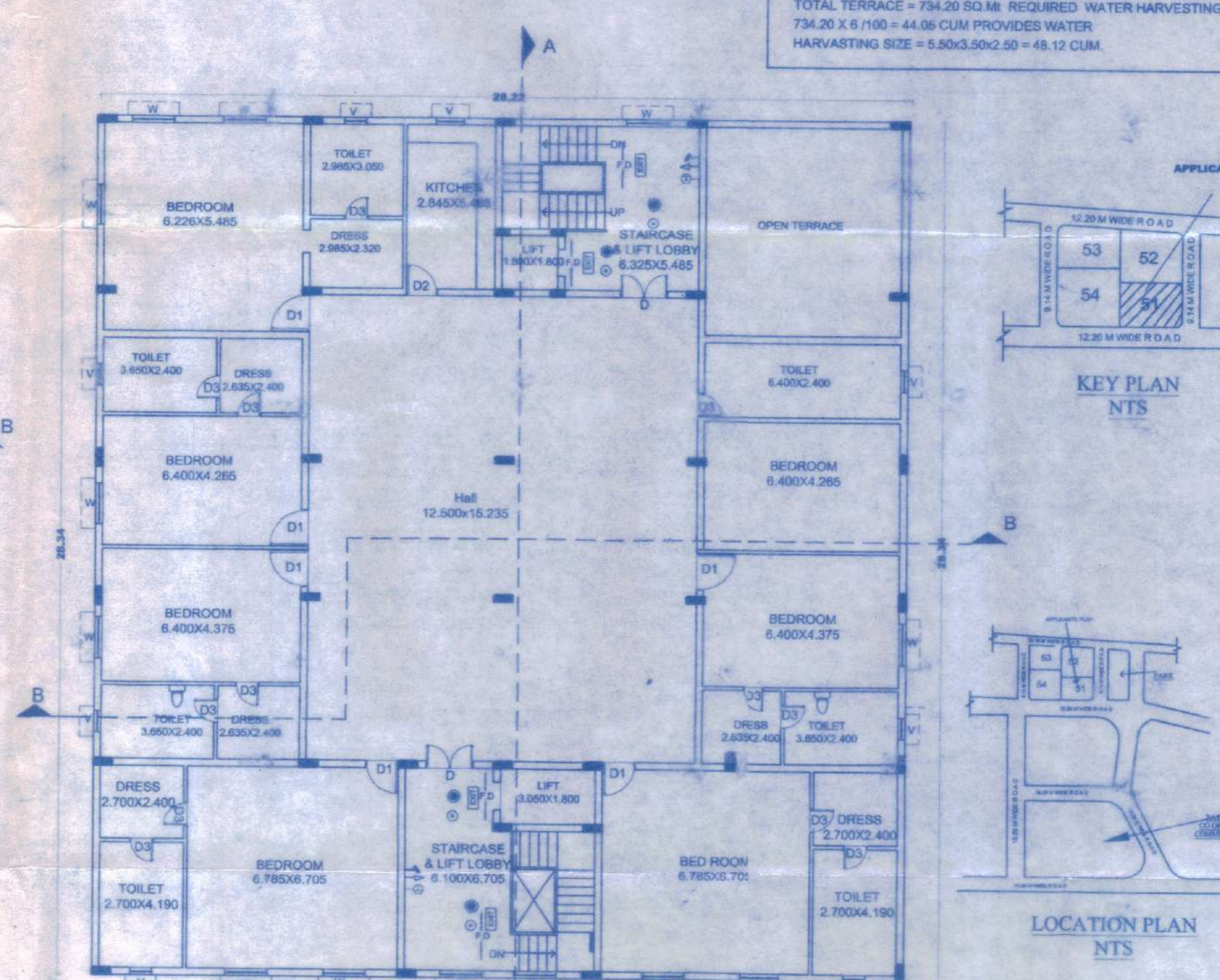
NO. 06/EA/2015

MITHA NAGAR NIGAM, PATNA

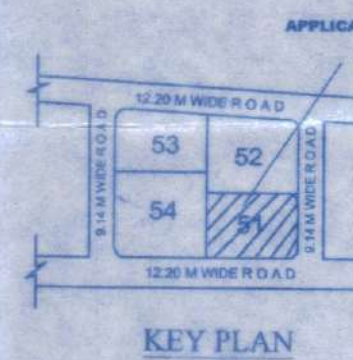
SIGN OF ENGINEER



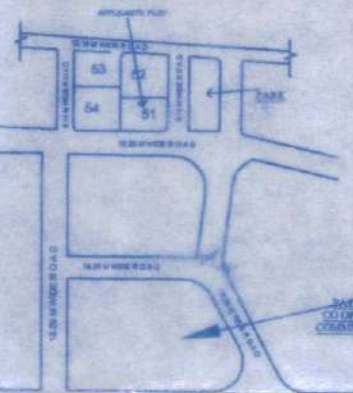
TERRACE FLOOR PLAN



3RD FLOOR FLOOR PLAN



KEY PLAN NTS



LOCATION PLAN NTS

SHEET NO. - 1/3

DIG HG & FS
Cum
State Fire Officer
Bihar, Patna