அனுமதிக்கப்படி

PREMIUM FSI

PROPOSED CONSTRUCTION OF STILT+4 FLOORS RESIDENTIAL BUILDING WITH 24 DWELLING UNITS AT S.NOS. 407/1A5, 407/1A6, 407/2B, 407/3 (NOW 407/3B) & 407/4 (NOW 407/4B), SUNNAMBBU KOLATHUR MAIN ROAD, S.KOLATHUR (MADIPAKKAM PART-2, NOW MADIPAKKAM-B) VILLAGE, SHOLINGANALLUR TALUK, CHENNAI DISTRICT.

AREA STATEMENT

PLOT AREA

AS PER DOCUMENT	-	1139.35 sq.m
AS PER PATTA	-	1138.00 sq.m
STILT FLOOR PARKING	-	615.73 sq.m
STILT FLOOR	-	26.81 sq.m
FIRST FLOOR	-	590.02 sq.m
SECOND FLOOR	-	590.02 sq.m
THIRD FLOOR	-	590.02 sq.m
FOURTH FLOOR	-	576.52 sq.m
TOTAL	-	2373.39 sq.m
FSI	-	2373.39 / 1138.00 = 2.09
TOTAL NUMBER OF DWELLINGS	-	24 nos
CAR PARKING REQUIRED	-	25 nos
TWO WHEELERS PARKING REQUIRED	-	2 nos
CAR PARKING PROVIDED	-	25 nos
TWO WHEELERS PARKING PROVIDED	-	4 nos

செ. பெ. கு. (மா.) எல்லை
ந. எண்: பி.இ/ 014/2019
உதவியாளர்
கூர்ந்தாய்வு
நாள்: 10/6/2019
உ.நி.அ.மு 06.19

DESIGN OF SEPTIC TANK WITH UPFLOW FILTER FOR 24 DWELLINGS

NO. OF FLATS OR DWELLINGS	-	24
ASSUMING 5 PERSONS FOR FLATS	-	24X5=120
NO. OF PERSONS	-	120
NO OF USERS ASSUMING 2 FIXTURES PER FLAT	-	120X2=240 UNITS.
PER HOUR DISCHARGE	-	240X6=1440 LPM.
SEPTIC TANK		
SURFACE AREA NEEDED	-	1440X0.92/10 =132.48 SAY 14.00M
VOLUME OF SEDIMENTATION		
ASSUMING 0.30M DEPTH FOR DIGESTION		14X0.3M = 4.20M³ 120X0.03Ø = 3.84M³
FOR SLUDGE STORAGE		0.000X365X120 = 8.76M³
FREE BOARD FOR SLUDGE		5X0.3M = 1.50M³
DEPTH = VOLUME / VOLUME		7 / 5 = 1.40M
SIZE OF SEPTIC TANK 20.60X1.50X2.00		
UPFLOW FILTER		
LIQUID DEPTH OF SEPTIC TANK = 1.70M		
UPFLOW FILTER DEPTH ALLOWING 0.32M FREE BOARD 1.4 : 0.3 = 1.10M		
AREA NEEDED = 1.10 / 1.10		= 1.0M
SIZE OF UPFLOW FILTER 1.50X1.50		
UPFLOW NO.-1 = 0.91X1.50X1.36M		
UPFLOW NO.-2 = 0.91X1.50X1.36M		

SCHEDULE OF JOINERY

TYPE	DESCRIPTION	SIZE
MD	DOOR	1050 x 2100
D	DOOR	1000 x 2100
D1	DOOR	900 x 2100
FD	DOOR	2000 x 2100
W1	WINDOW	1200 x 1500
W2	WINDOW	900 x 1500
XW	WINDOW	1200 x 1550
V1	VENTILATOR	600 x 750

NORTH POINT

COLOUR INDICATION
PROPOSED BUILDING
PLOT BOUNDARY
ACCESS ROAD

DRAWING TITLE

SITE PLAN, FLOOR PLANS, SECTION & ELEVATION.

SCALE : 1" = 8'-0" (1:100)

OWNER'S SIGNATURE

For KEYSTONE PROMOTERS PVT LTD.,

Director

STRUCTURAL ENGINEER

LICENSED SURVEYOR

Ar. R.M. VAISHNAVAPRIYA, B.Arch.,
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SECTION AT - A'-A'

FRONT ELEVATION

COMPOUND WALL DETAIL

SOLAR HOT WATER SYSTEM DETAIL

DWARF WALL SECTION

COMPOUND WALL & GATE IN ELEVATION

RWH-PERCOLATION PIT

SULLAGE TREATED WATER COLLECTION SUMP DETAIL

SECTION ON DD

RAIN WATER COLLECTION SUMP DETAIL

SECTION OF R.C.C COLUMN FOUNDATION

COLUMN PLAN

TYPICAL FOUNDATION DETAIL

SUMP DETAIL FOR METRO WATER

SECTION ON CC

SECTION-AB

SEPTIC TANK DETAILS

SUNNAMBU KOLATHUR MAIN ROAD

6.0 M WIDE ROAD

SITE CUM STILT FLOOR PLAN

TERRACE FLOOR PLAN

TYPICAL FLOOR PLAN (FIRST,SECOND & THIRD)

FOURTH FLOOR PLAN