

TITLE: **CONSTRUCTION OF SHOWROOM**
 (COMMERCIAL BUILDING AT MOUNT-POONAMALEE ROAD PORUR, CHENNAI-600 076 IN OLD S.NO. 51 PART, NEW S.NO. 51 PART OF PORUR VILLAGE, MADURAVAYALUR, CHENNAI DISTRICT)

GREATER CHENNAI CORPORATION
 DIV NO :151 ZONE - 11

COLOUR INDEX:

PROPOSED AS: [Symbol]

ROAD AS: [Symbol]

BOUNDARY LINE AS: [Symbol]

SCHEDULE OF JOINERY:

ED	ENTRANCE DOOR	1.50 X 2.10
D1	DOOR	0.90 X 2.10
D2	DOOR	0.75 X 2.10
W	WINDOW	1.80 X 1.35
W1	WINDOW	1.20 X 1.20
V	VENTILATOR	0.70 X 0.90

AREA STATEMENT

LAND EXTENT	
AS PER PATTA	1000 SQ.M
AS PER DOCUMENT	1000 SQ.M
LEAST EXTENT	1000 SQ.M

FSI AREA:

STILT FLOOR	
FIRST FLOOR	598.13 SQ.M
SECOND FLOOR	598.13 SQ.M
THIRD FLOOR	598.13 SQ.M
TOTAL AREA	1794.39 SQ.M

F.S.I

1794.39	1.794
1000.00	

CAR PARKING REQUIRED: 27 NOS ✓
 CAR PARKING PROVIDED: 27 NOS ✓
 TWO WHEELER REQUIRED: 27 NOS ✓
 TWO WHEELER PROVIDED: 27 NOS ✓

SEPTIC TANK CALCULATION:

TOTAL BUILT-UP AREA: 1794.39 SQ.M
 NO OF PERSONS: 35.89 X 5 = 179.45 = 180 NOS
 RATE OF WATER SUPPLY: 150 / LPH / DAY
 FLOW OF SEWAGE / DAY: 180 X 150 = 27000 LTS / DAY
 DETENTION PERIOD: 18 HRS
 TANK CAPACITY: 27000 X 18/24 = 20250 Lts

CLEANED EVERY YEAR SO STORAGE CAPACITY AT THE RATIO OF 15.0 LTS FOR A PERSON PER YEAR

180 X 15 = 2700
 20250 + 2700 = 22950
 WITH PROVISION FOR FUTURE EXPANSION LET THE TANK CAPACITY BE 22950 LTS OR 23 CU.M

SEPTIC TANK HAVING CAPACITY - 23 CU.M

DEPTH OF LIQUID	- 3.05
PLAN OF THE TANK	- 23/3.05 = 7.54
BREATH OF THE TANK	- 1.80
LENGTH OF THE TANK	- 3.90
FREE BOARD OF THE TANK	- 0.30
TOTAL DEPTH OF THE TANK	- 3.05+0.30 = 3.35

PROVIDE SEPTIC TANK OF THE SIZE - 1.80 X 3.90 X 3.35

UPFLOW FILTER:

DISCHARGE FOR 180 PERSONS - 22950 Lts
 VOLUME: 22.95 X 0.98 = 22.49 CU.M
 DEPTH: 3.35 - 0.30 = 3.05M

PLAN AREA REQUIRED: 22.49 / 3.05 = 7.37 SQ.M

SIZE OF THE FINAL SUMP - 4.10 X 1.80 X 3.05

UPFLOW FILTER-1 = 2.05 X 1.80 X 3.05
 UPFLOW FILTER-2 = 2.05 X 1.80 X 3.05

OWNER SIGNATURE: [Signature]

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ARCHITECT / LICENSED SURVEYOR

