

OFFICE COPY

DESIGN OF SPTIC TANK WITH UP FLOW FILTERS

B/Spl.614/426 clc/2015

NO OF DWELLINGS : 7 NOS
 NO OF USERS : 7 X 5 = 35 PERSONS
 RATE OF WATER SUPPLY : 150 LPH/DAT
 THEN FLOW OF SEWAGE PER DAY : 35 X 150 = 5250 LTS

DENSTION PERIOD IS : 18 HRS
 TANK CAPACITY : 5250 X 18 / 24 = 3937.5 LTS
 THE TANK IS TO BE CLEANED EVERY YEAR
 SO SLUDGE STORAGE CAPACITY AT THE : 24 X 15 = 360 LTS
 RATE OF 15 LTS PER PERSON PER YEAR : 35 X 15 = 525 LTS
 WITH PROVISION FOR FUTURE EXPANSION : SAY 6000 M
 LET THE TOTAL TANK CAPACITY BE 5610 LTS SAY 6000 LTS

SEPTIC TANK HAVING CAPACITY OF : SAY 6000 M
 DEPTH OF LIQUID AS : 2.0M
 PLAN AREA OF THE TANK 21.0/2 : 10.50M
 THE RATIO OF LENGTH TO WIDTH OF TANK TO BE : 3

LENGTH X BREADTH X 3 : 4.25M
 BREADTH OF TANK : 1.0M
 LENGTH OF TANK : 1.5M
 FREE BOARD OF THE TANK : 0.2M
 TOTAL DEPTH OF THE TANK (2.5+0.2) : 2.7M
 DISCHARGE FOR 100 PERSONS : 15000 LTS
 VOLUME 100 X 0.45 : 1.5M
 DEPTH 1.10 X 0.30 : 0.80M
 PLAN AREA REQUIRED 10.5/0.8 : 3.6M
 SIZE OF FINAL EFFIVENT SUMP : 1.50 X 2.0 X 2.0
 UPFLOW FILTER NO:1 : 1.40 X 1.0 X 2.0
 UPFLOW FILTER NO:2 : 1.40 X 1.0 X 2.0

COLOUR INDEX

- PROPOSED
- BOUNDARY
- ROAD

[Signature]

43x31

PROPOSED CONSTRUCTION OF CONSULTANCY OFFICE CUM RESIDENTIAL BUILDING AT NEW DOOR NO 5, OLD DOOR NO 4, G.S.T ROAD, BHARATIYAR STREET, (BRAHMIN STREET), TRUMBULIYUR VILLAGE. TANBARAM TALUK, KANCHEEPURAM DIST., BEARING OWS NO: MTB-1A1, NEW SNO: 177/BIAIA (PART), T.S. NO: 156.

SCALE 1" = 4'0" (OR) 1:50

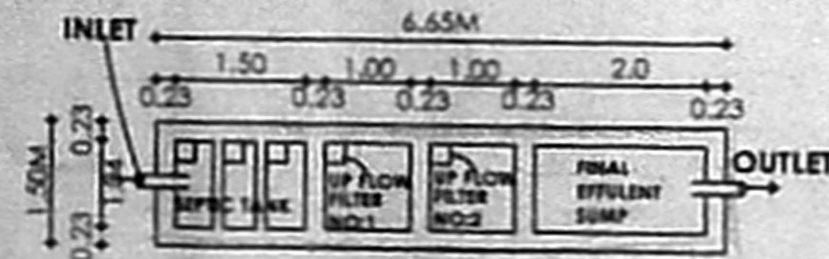
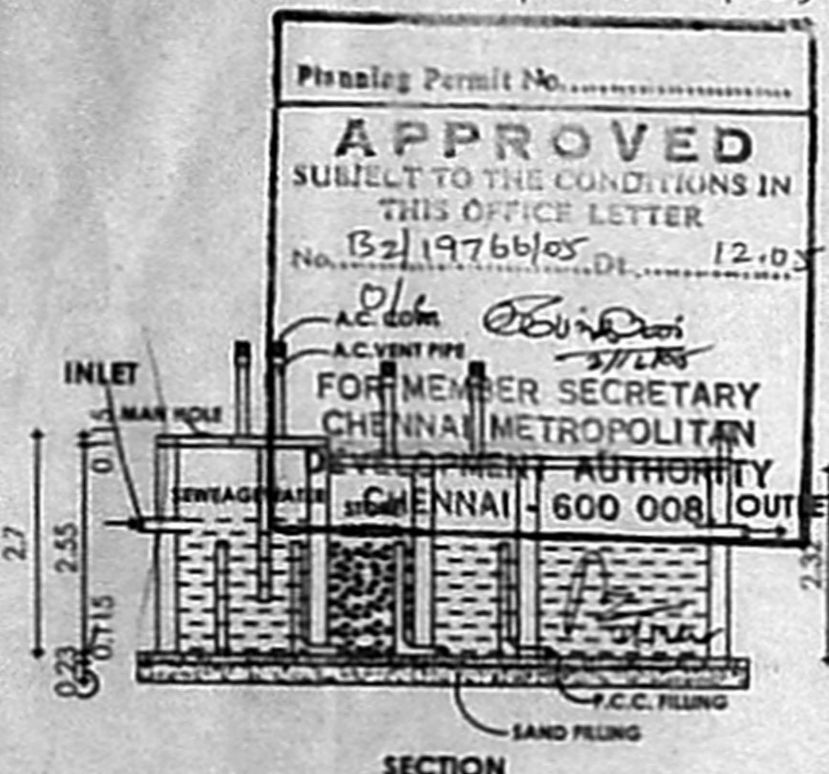
FOR MOTHERSON AIR TRAVEL AGENCIES

Rene Mallev

AUTHORISED SIGNATURE
 MOTHERSON AIR TRAVEL AGENCIES LTD
 SIGNATURE OF OWNER

[Signature]

ER. K. SELVAM,
 BE. (CIVIL), AMIE., C. Eng(I), FIV,
 CHARTERED ENGINEER & APPROVED VALUER,
 CLASS-I LICENSED SURVEYOR
 Reg No: 603/2005-2005.
 OFFICE No: 11/205-11th BLOCK,
 INDIA PEAR EAST, CHENNAI-600 037.
 (FORMERLY MGR ADARSH SCHOOL)
 LICENSED SERVEYOR 26552050 55252050
 CELL No: 9841282050



DETAILS OF SPTIC TANK WITH UP FLOW FILTERS