

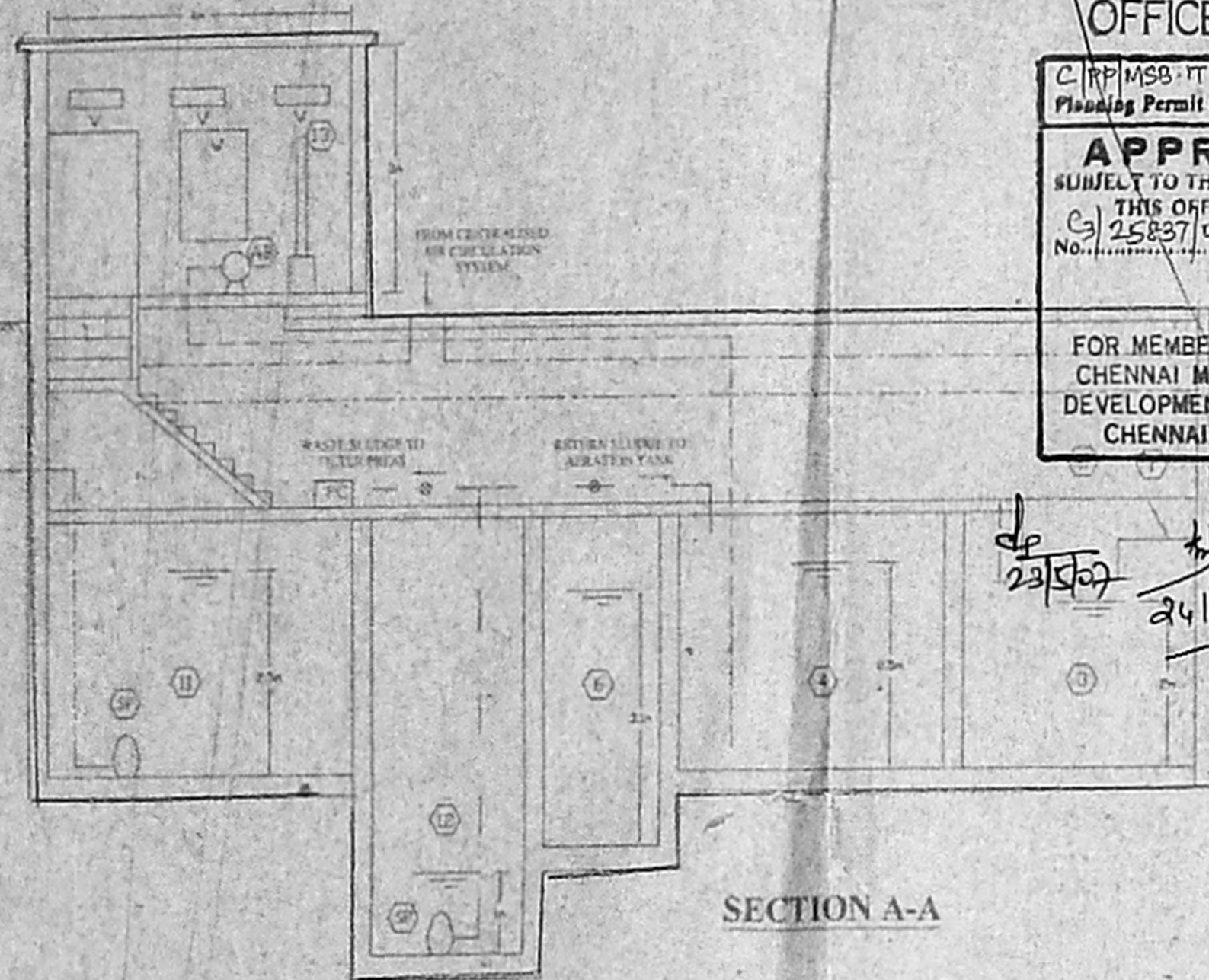
PROPOSED SEWAGE TREATMENT PLANT

OFFICE COPY

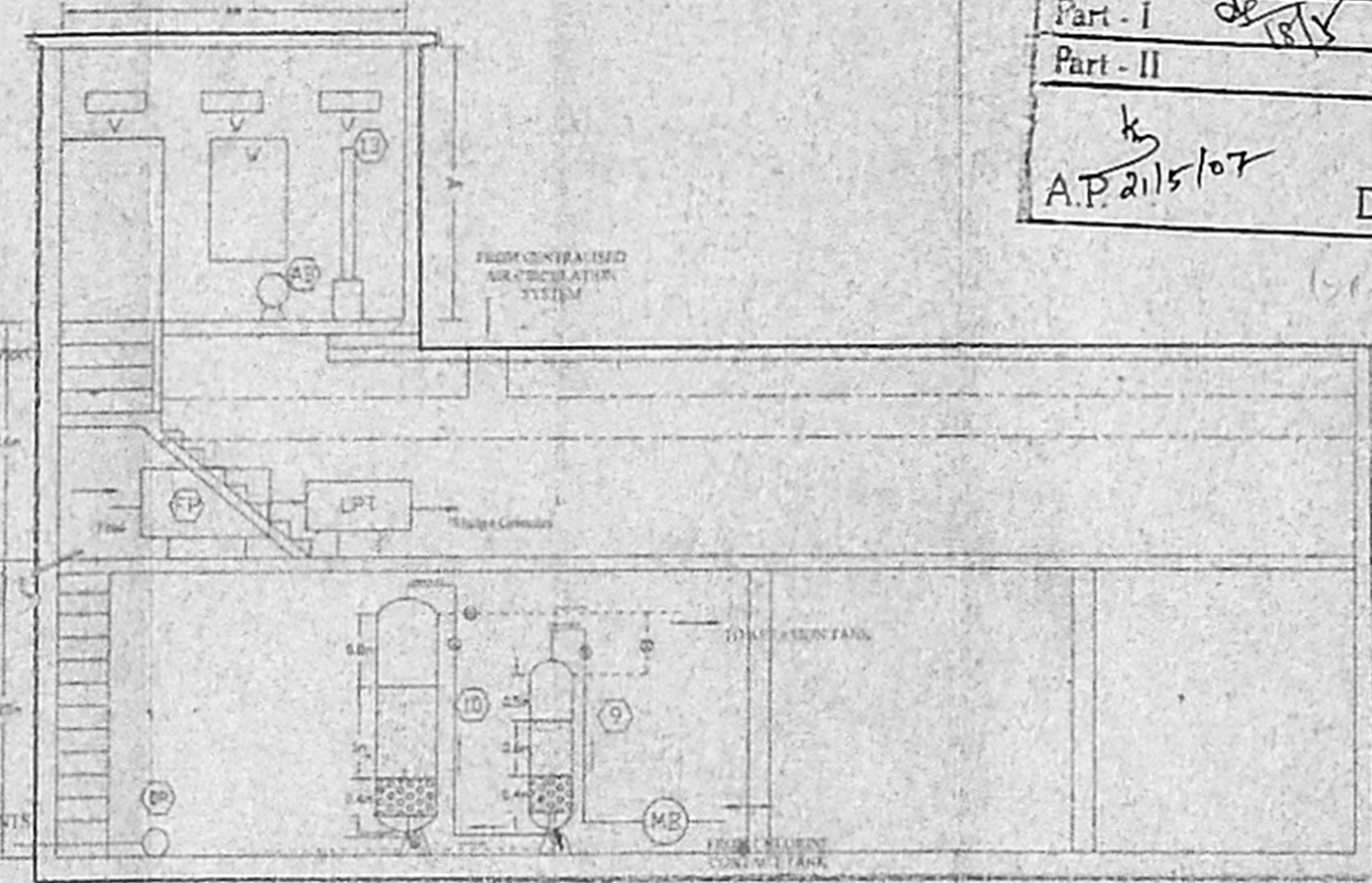
C.R.P.M.S.B. IT 26/1/2007  
 Planning Permit No. ....  
**APPROVED**  
 SUBJECT TO THE CONDITIONS IN  
 THIS OFFICE LETTER  
 GJ 25837/05 507  
 No. .... DI .....

FOR MEMBER SECRETARY  
 CHENNAI METROPOLITAN  
 DEVELOPMENT AUTHORITY  
 CHENNAI - 600 008.

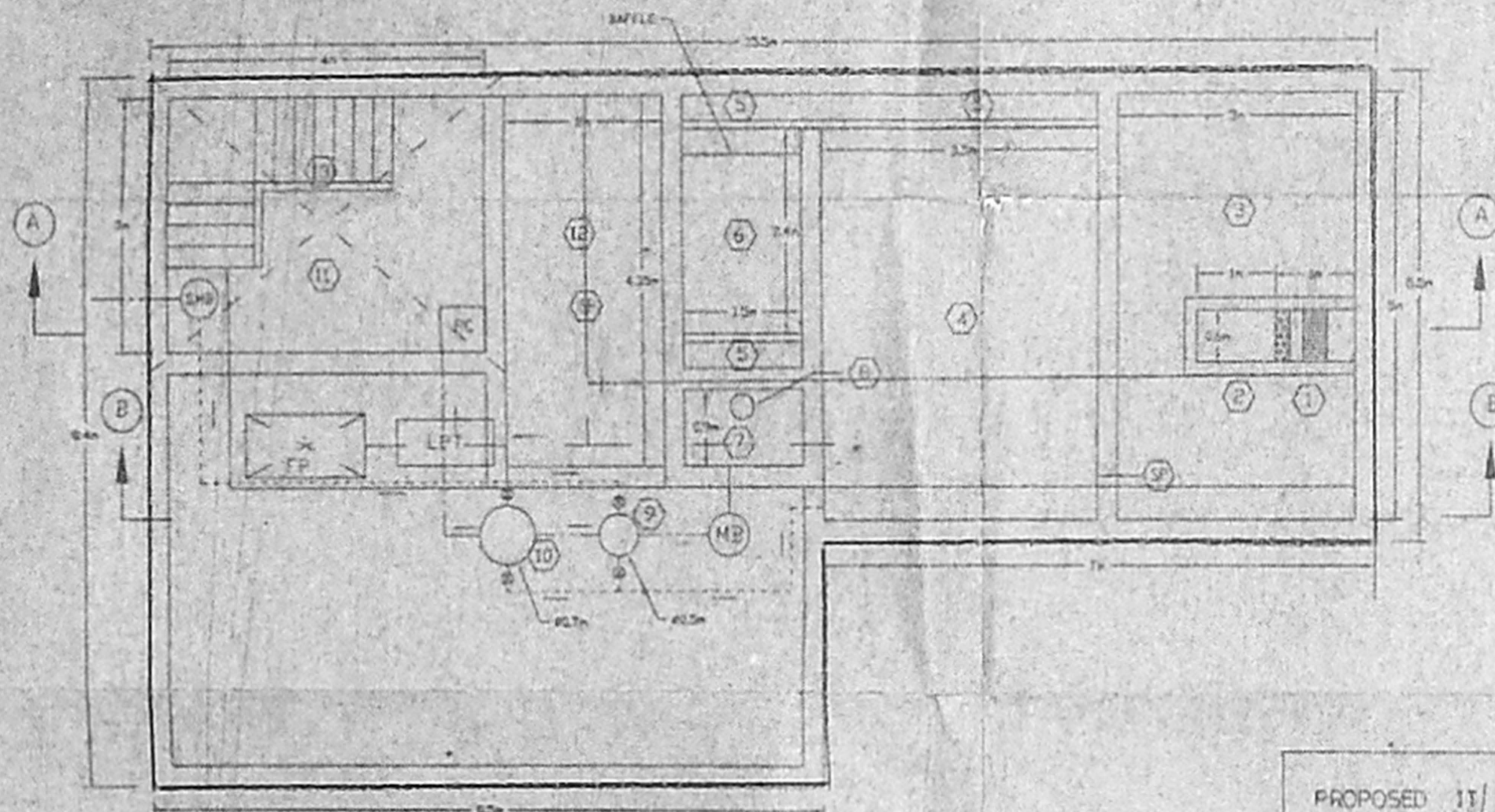
DATE: 23/05/07  
 No. GJ 25837/05  
 Part - I de 18/5  
 Part - II  
 A.P. 21/5/07 D.P.



SECTION A-A



SECTION B-B



PLAN

DESIGN DATA:

BUILT UP AREA - 16056 SQ.M  
 PROPOSED OCCUPANTS - 1606  
 RATE OF WATER SUPPLY - 45 LPCD  
 SEWAGE GENERATED - 57816 L/D  
 PROPOSED CAPACITY OF STP - 0.06 MLD

INFLUENT AND EFFLUENT CHARACTERISTICS:

PARAMETER	INFLUENT	EFFLUENT
pH	6.5-8.0	6.5-8.0
S.S	450 mg/l	30 mg/l
BOD	350 mg/l	20 mg/l

DISPOSAL/REUSE OF TREATED EFFLUENT:

TOTAL QUANTITY OF TREATED EFFLUENT = 57816 L/D  
 QUANTITY USED FOR TOILET FLUSHING = 48200 L/D  
 QUANTITY USED FOR GARDENING = 3650 L/D  
 QUANTITY USED FOR CAR WASH = 6000 L/D

LEGEND:

1. SCREEN CHAMBER
  2. GRIT CHANNEL
  3. BALANCING TANK
  4. AERATION TANK
  5. EFFLUENT LAUNDER
  6. SETTLING TANK
  7. CHLORINE CONTACT TANK
  8. CHLORINE DOSING TANK
  9. PRESSURE SAND FILTER
  10. ACTIVATED CARBON FILTER
  11. EFFLUENT SUMP
  12. SLUDGE COLLECTION TANK
  13. PANEL ROOM
- FP - BELT FILTER PRESS 1 cu.m/hr  
 LPT - LIME POST TREATMENT MODULE  
 SP - SUBMERSIBLE PUMP- 2.5 cu.m/hr @ 12m  
 SL - SLUDGE PUMP - 10cu.m/hr @ 10m  
 MB - MONOBLOCK PUMP 2.5 cu.m/hr @ 10m  
 SMB - SUBMERSIBLE MONOBLOCK PUMP  
 PC - POST CHLORINATION DOSING TANK  
 DP - DRAIN PUMP  
 AB - AIR BLOWER 40 cu.m/hr
- RAW SEWAGE LINE (100mm dia)  
 --- EFFLUENT LINE (100mm dia)  
 --- SLUDGE LINE (100mm dia)  
 --- AIR LINE (15mm dia)  
 --- DUCT PROVIDED FOR AIR CIRCULATION IN BASEMENT

PROPOSED IT/ITES BUILDING AT OLD MAHABALIPURAM ROAD, NO.14B OKKIAM, THORAIPPAKKAM VILLAGE, IN OLD S.NOS 117/2 B1 A1, 117/2 B1 A2, & 2 B/1A3 NEW S.NOS 117/42 117/3A & 117/4, TAMBARAM TALUK, KANCHEEPURAM DISTRICT.

OWNER SIGNATURE

*R. Rajagopal*

SIGNATURE  
 LICENSED SURVEYOR

*Savita Chowdhry*  
 SAVITA CHOWDHRY, BARCH, FIA  
 Registered Architect  
 Council of Architects  
 No. CA/81/6445  
 Class I Licensed Surveyor No. 82  
 No. 9, State Bank Street  
 CHENNAI - 600 002