

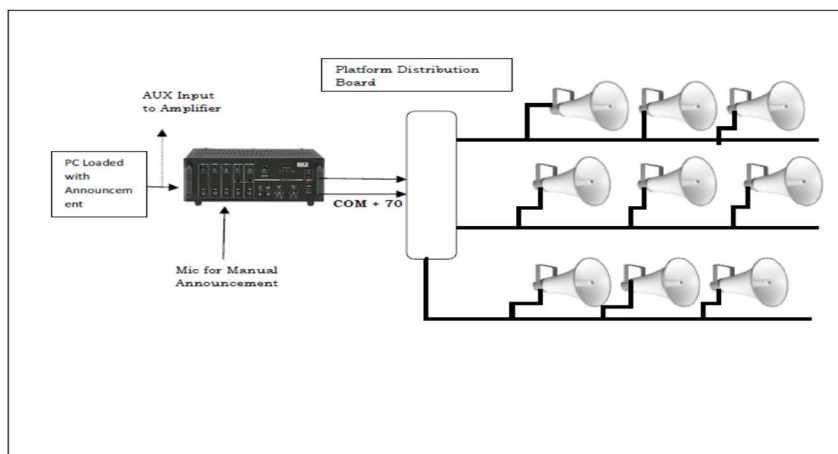
### Platform Announcement System.

It is PA System setup used to announce the train running information or other departmental or public announcements at Railway stations. This system is normally provided at the Cabins at major stations and at information centers at other stations. These systems are operated by commercial staff. There are three varieties of the system are.

- a) Auto announcement System
  - 1) PC Based                      2) EPROM Based
- b) Manual Announcement System.

Auto announcement System consists of.

- 1) Personal computer system loaded with announcement system software (Pre recorded voice).
- 2) PA Amplifier
- 3) Loud Speakers
- 4) Microphone for manual announcement.
- 5) PA Cables (Shielded cables in RE Area).
- 6) Distribution Board (for wiring Distribution to individual platforms).
- 7) Platform Selection switch (if necessary).



A pre-recorded voice is loaded in the Announcement software and it has facility to add to new trains or any additional messages. The PC output is connected to the AUX terminal of the amplifier. The Amplifier output to the loudspeaker should be taken from COM+70V – Voltage matching terminal and fed to the Platform Distribution Board. Each platform has to be wired separately from the Distribution Board and facility to isolate the wiring, in case of failure. The cable wiring should be Duplex Shielded cable and shield to be earthed. The PA wiring should be separated from the Power cable(atleast 1 metre). The important thing that amplifier should be earthed and it should have battery backup facility.