

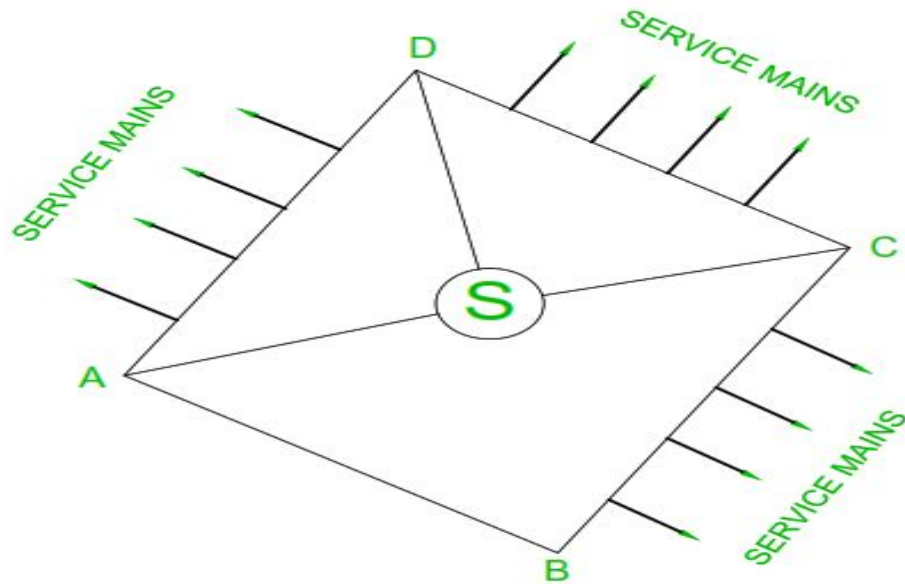


Distributor, Feeder & Service Mains

Feeders

- It is a conductor which connects between generating stations to the area of the where power supply requires.
- The cross section area of feeder is determined by considering current passes through it.

- The voltage drop in the feeder is not important because the tappings are not taken out from it.
- The current passes through feeder remains the same as there is no load connected to it.



AB = BC = CD = DA = DISTRIBUTORS

S = SUBSTATION

FIG : FEEDER, DISTRIBUTORS AND SERVICE MAINS

Distributors

- The distributors are the conductors from which numbers of tapping are taken out for providing power to the consumers.
- The design of distribution is done by considering voltage regulation.
- The size of the distributor should be such that the voltage at the consumer's terminal should be within permissible limits (± 6 of the rated voltage)

Service Mains

- It is conductors which connects between distributors to the consumer's terminals

Thank You
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