



Simple Tariff

-The price charged per unit energy supplied is constant irrespective of the number of supplied units

- Energy consumption is recorded at consumer's terminals via an energy meter
- Most simple type, but doesn't discriminate between types of consumers

Flat rate Tariff

- Consumers are grouped into different classes according to diversity and load factors.
- Each class of consumers is charged at a different uniform rate.
- More fair to different types of consumers & quite simple in calculations.
- Expensive & complicated as separate meters are required for different load types

- Consumers are charged at the same rate irrespective of the magnitude of energy consumed.

Block rate Tariff

-Energy consumption is divided into fixed price per unit blocks. The price per unit in the first block is the highest *(or lowest)* according to the provider's necessities and priorities; accordingly, it is progressively reduced *(or increased)* for the succeeding blocks of energy.

-Consumer gets an incentive to consume more *(or less)* electrical energy. Increased consumption increases the load factor of the system and hence the cost of generation is reduced, nevertheless, it may also overstress a heavily loaded grid with constrained resources, which may in turn imply increasing the cost of generation!!!

- Lacks a measure of the consumer's demand.
- Used for majority of residential and small commercial consumers.

<u>Two part Tariff</u>

- The total charge is split into two components; fixed charges that depend upon the consumer's *maximum demand*, & running charges that depend upon the *number of consumed units*.

Total charges = b×kW + c×kWh

-Fixed charges are paid irrespective of consuming or not consuming electric energy

- Assessing consumer's maximum demand is always erroneous

Maximum Demand Tariff

- Similar to "two part" tariff with the exception that the maximum demand is actually measured by installing a maximum demand meter in the consumer premises

- Applied to big consumers

Three part Tariff

-Comprise fixed, semi-fixed and running charges

Total charges = a + b×kW + c×kWh

- Applied to big consumers

Power Factor Tariff

- Low power factor should be penalized as it increases the Station's equipment rating and line losses

