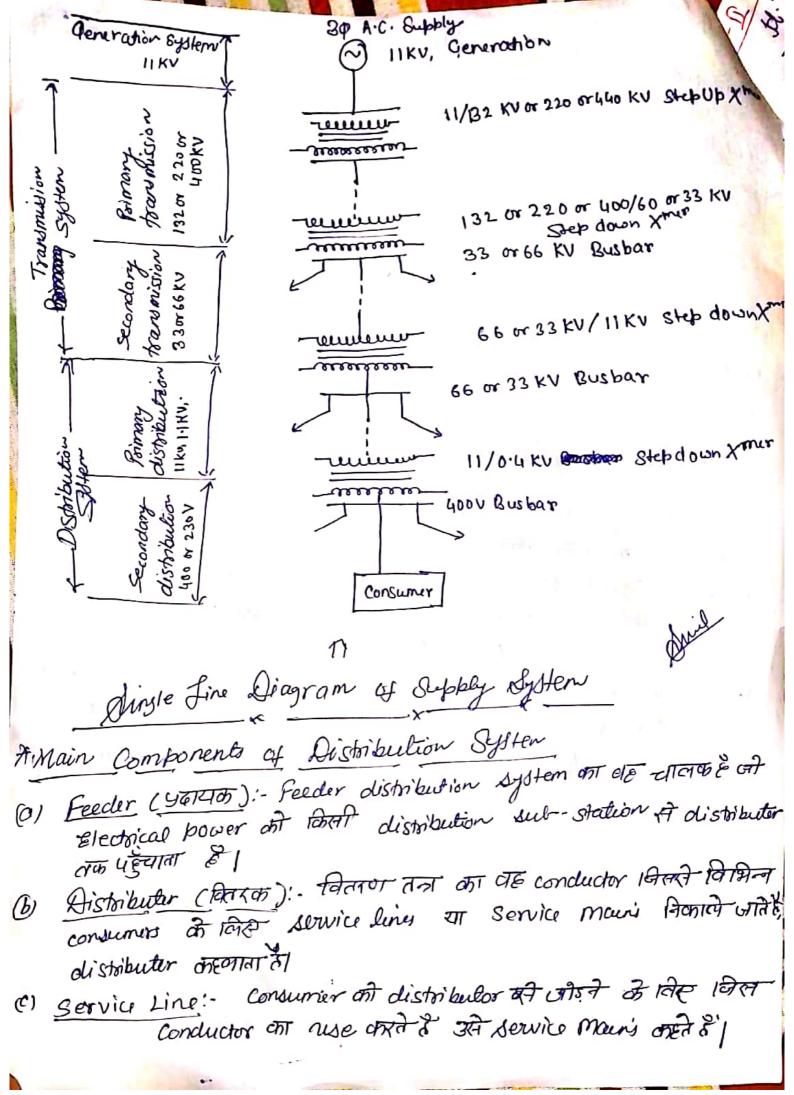
Estimation of Overhead HT. Line

Electric Supply System; =

तह Electrical energy system, जो हमें nouse, offices, industries साहि में प्रकाश, काज्मा (hear) तथा गांत्रिक कार्य आहि की लिए विद्युत दीम प्रश्न कतता है, Electric supply system कहला है।

Main Components of Electrical slupply system

- 1) Electrical Generation System
- 2) Electrical Transmission System
- 3 Electrical distribution system.
 - * Electrical Power out generation, Electrical power generation stations of Tosul what it I
 - प्र Generating Station में प्राप्त 3-\$,11KV supply को steput fransformer की सहायता भें Step up करके high voltage (आवश्यक्तामा) में convert करके किया जाता है।
- अ Transmission line के end पर रूक step down transformer of सहस्ता भी step down करके distributer हेंद्र 11KV विद्युत ग्राप्त की जाती है। जिसे 3.3KV, 1.1KV विद्या 0.23KV पर भी distribute किया जाता है।



A.T. Line (11KV)

TE Primary distribution line 3A & | \$744 27 Poles of Ata of 379 normally 100 m siA & 1

Existing Line; = at line at substation of HT Supply and orall of Existing line on Formed of line on the state of the state

Stay 0:3

Distance between two Poles:

for Road crossing = 50 m.

for Rail Crossing = 50 m.

अ प्रत्येक 4th Pole eart होगा । तथा हर एक भीला (1610 m) पर भ Ble होगा)

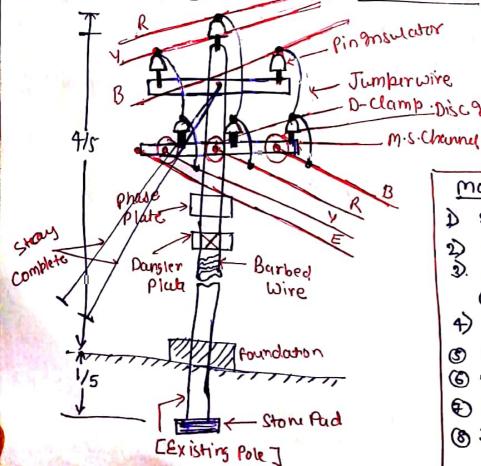
⇒ River के दोनों तरफ H Pole प्रयोग किये जारंगे!

del.

Materials Required in H.T. lino

- 1 Materials required for existing Pole or H.T. connection will main line.
- 1 material required for one fole
- 3) Material required for H Pole not Pole Mounting.
- Material required for H Pole with Pole mounting
- Material Required for Road crossing. <u>(S</u>)
- material required for Rail crossing (6)
- @ material required for light angle upto 50
- @ material required for heavy angle buyond 300
- @ material required for River crossing.
- 10 material required for terminal structure.

() Extra material required for existing Pole:



_ D-clamp . Disc Insulator

materious :

- D Stay complete > 2 Set
- 2) Pole foundation => 1 No.
- 3). Som. S. Channel (Buop w 5.1 x 01 x 05 x 001)
- 4) D-camb 01
- 1 1 KV Disc Insulator = 03
- 6 liky Pin Insulator = 03
- Bindro Wie (AI)-支Kg kur Pole
- 8 Jumper une (exteguire) 6 m perpole.