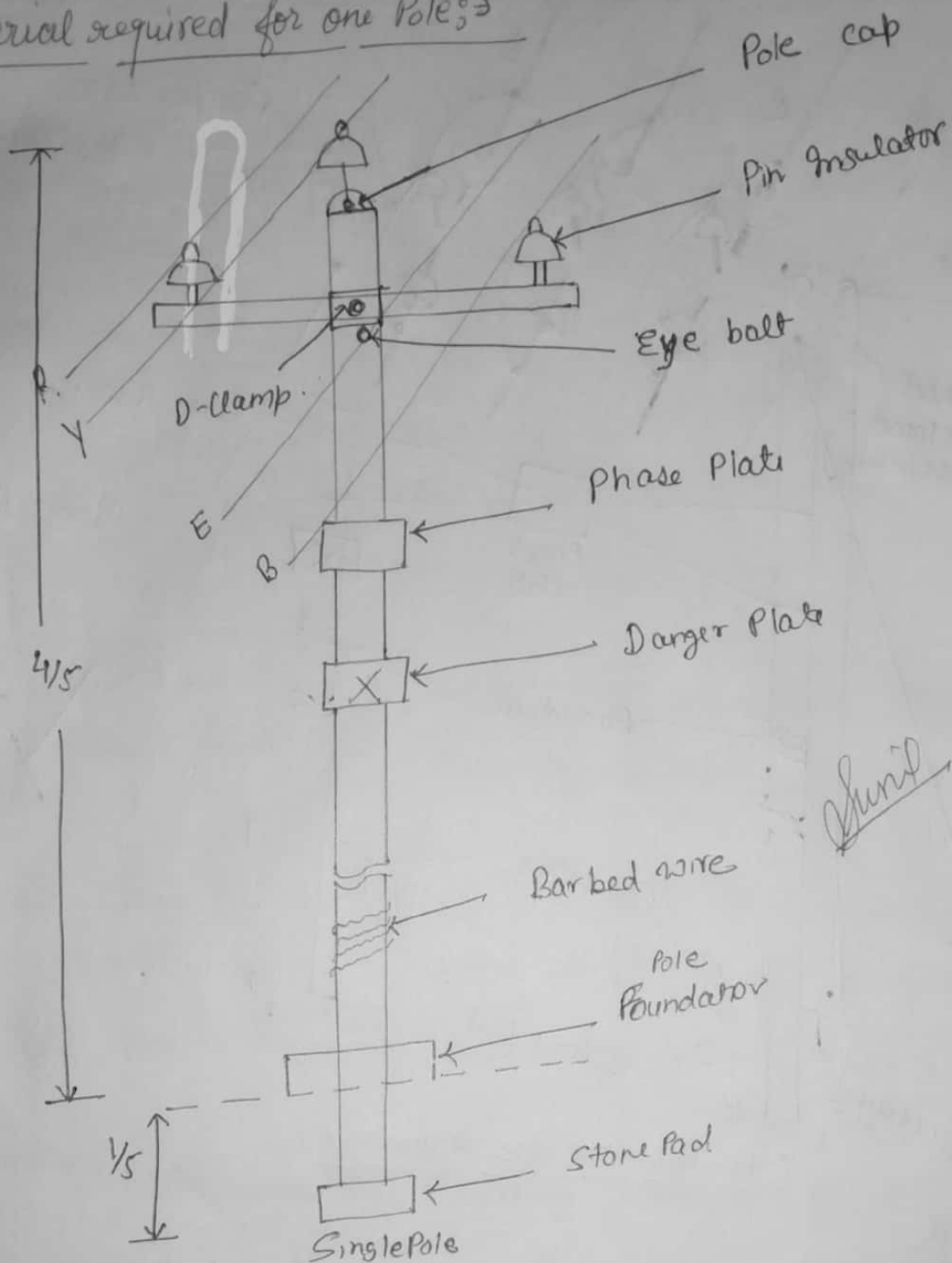


# Material required for one Pole:

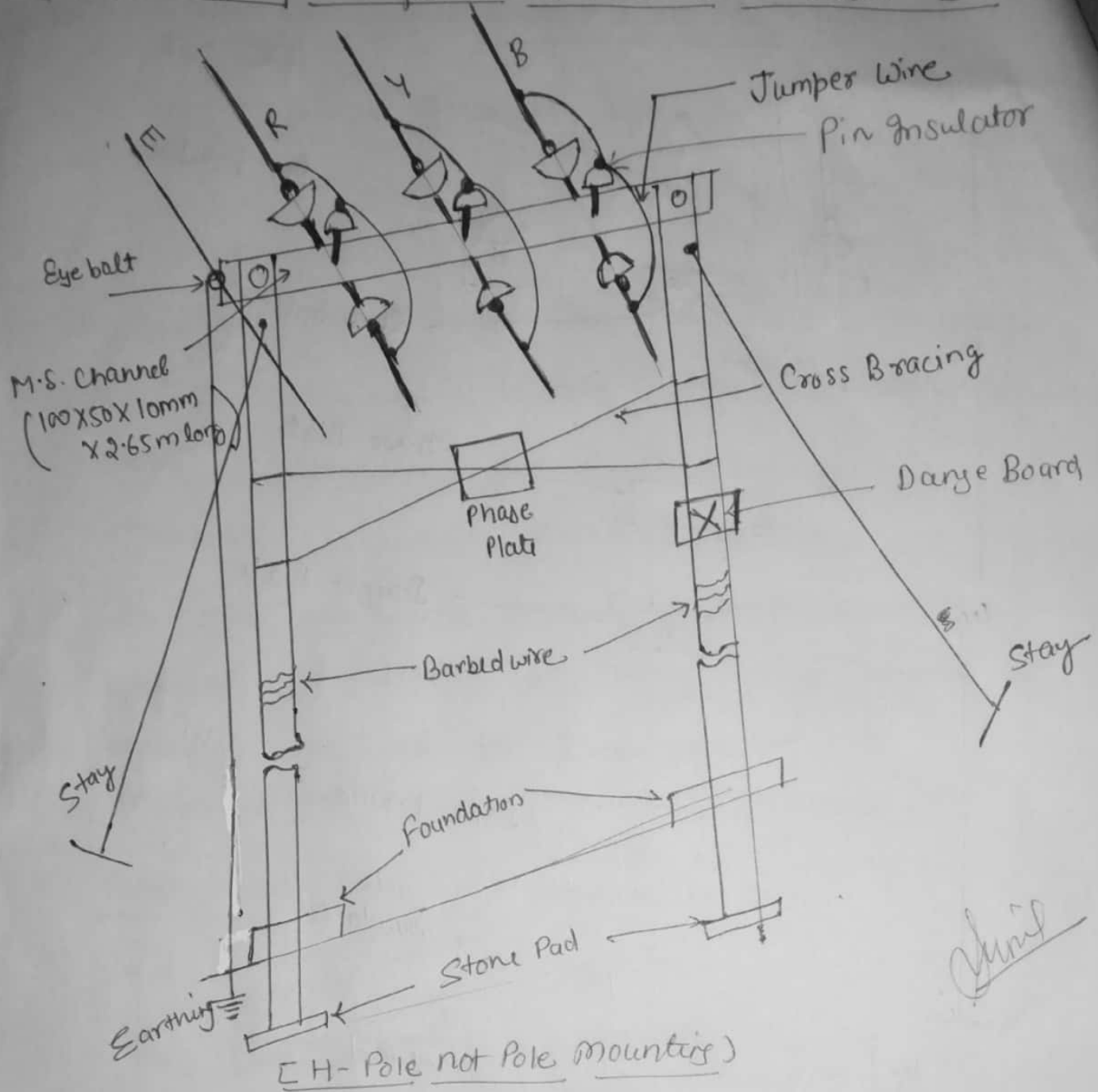


## Materials:-

- \* Pole wooden 10m long - 01
- \* Stone Pad — 01
- \* Pole foundation - 01
- \* Pole Cap — 01
- \* M.S Channel (100x50x10mm X 15m long) — 01
- \* D-Camp. — 01
- \* Eye Bolt — 1

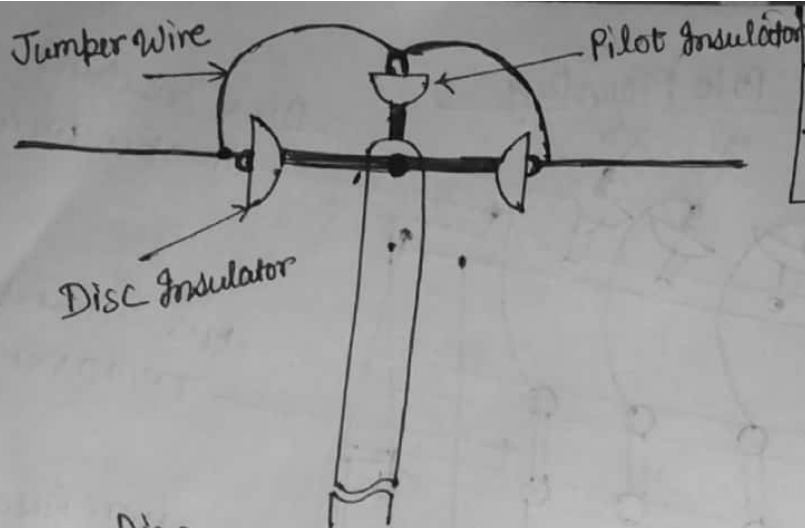
- \* 11 KV Pin Insulator - 01
- \* Phase Plate - 01
- \* Dange board - 01
- \* Barbed wire - 2 Kg.
- \* Binding wire -  $\frac{1}{2}$  kg per Pole
- \* Painting of Pole - 01

## ii) Material Required for H-Pole Not Pole Mounting



### Material

- |   |                                 |
|---|---------------------------------|
| * Rail Pole 11.5 m long — 02 No.              | * Barbed wire — 5 Kg            |
| * Stone Pad — 02 No.                          | * Painting of H-Pole — 01 No.   |
| * Pole foundation — 02 No.                    | * Stay Complete — 02 No.        |
| * Phase Plate — 01 No.                        | * Foundation — 02 No.           |
| * Dangle Plate — 01 No.                       | * Mild Steel channel — 01       |
| * Eye bolt                                    | for cross arm                   |
| * 11KV Disc Insulator — 6 No.                 | * [100X50X8mm X 2.2m long]      |
| * 11KV Pin Insulator/Pilot Insulator — 03 No. | * Different size Nut Bolt — 2kg |
| * Binding wire — 01 No.                       | * Jumper wire — 2 Kg.           |
|   | * M.S. Channel [50X50X6mm]      |
|   | → X 3m long                     |
|   | for Cross Bracing — 02 No.      |



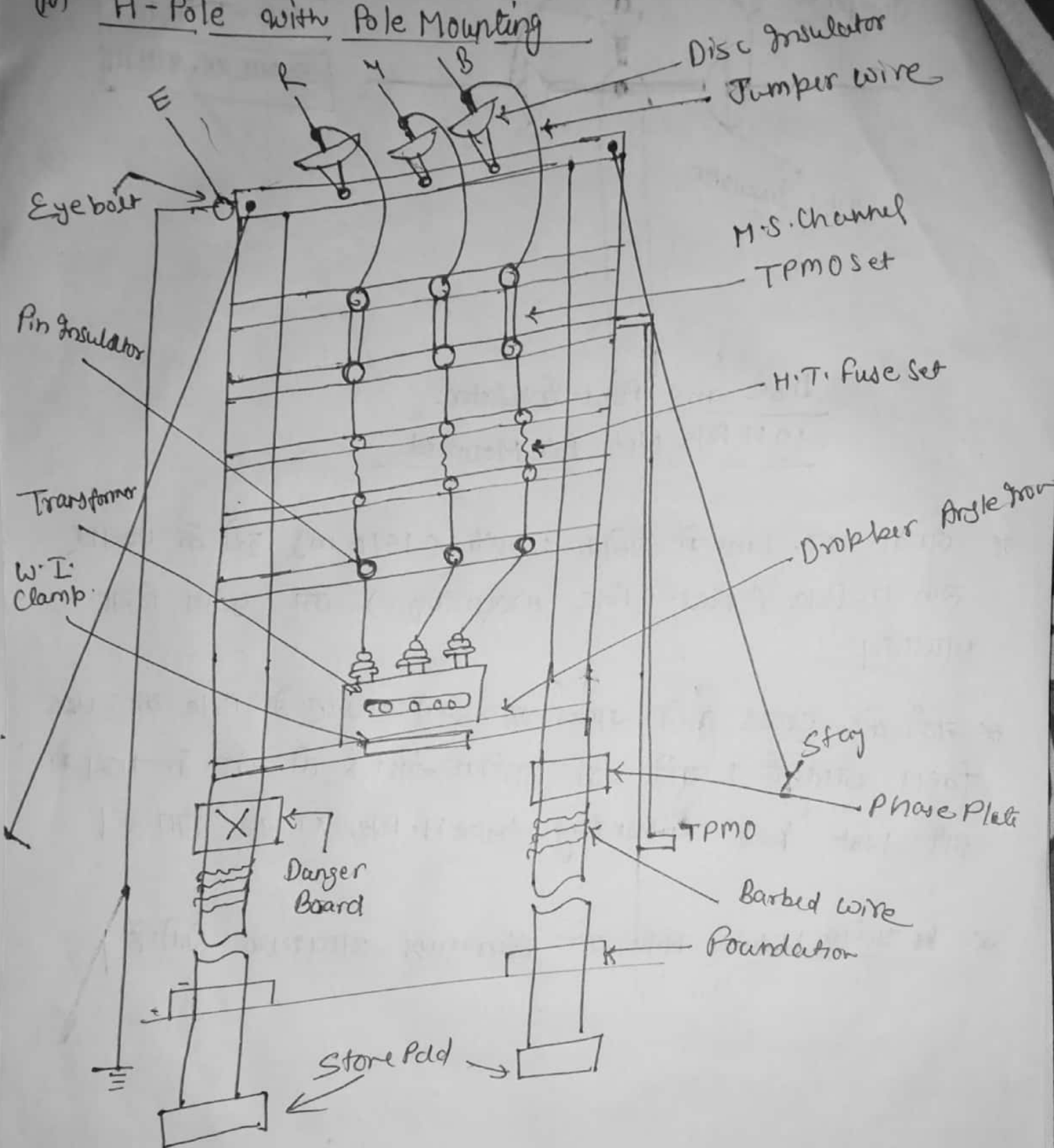
EDDE-I
EE-II Year
SUNIL KR. SINGH

(7)

### Disc and Pilot Insulator in H Pole Not Pole Mounted

- \* लम्बी H.T. Line में प्रत्येक 1 mile (1610 m) दूरी के पश्चात् एक H-Pole (Not Pole mounting) का प्रयोग किया जाता है।
- \* नदी को cross करते समय भी इसी प्रकार के Pole का use किया जाता है। यदि नदी अधिक चौड़ी है, तो नदी के मध्य में भी Not pole mounting type H-Pole ही use होता है।
- \* प्रत्येक H type Pole की Earthing आवश्यक होती है।

# (iv) H-Pole with Pole Mounting





Material

- ① Rail Pole 11.5m long — 2 No.
- ② Stone Pad — 2 No.
- ③ Pole foundation — 2 No.
- ④ Stay Complete — 2 No.
- ⑤ M.S. Channel (100x50x10mm x 2.65m long) — 1 No.
- ⑥ Nut bolt for different size — 2 Kg.
- ⑦ T.P.M.O Set Complete — 1 No.
- ⑧ Disc Insulator (11)KV with fitting — 3 No.
- ⑨ Jumper wire — 6 m.
- ⑩ Fuse set complete — 1 No.
- ⑪ M.S. Channel (100x50x10mm) x 2m long — 1 No.
- ⑫ 11 KV Pin Insulator = 3 No.
- ⑬ Transformer 11/4 KV, 50Hz, 25KVA — 1
- ⑭ Dropper <sup>angle</sup> iron (.75x75x8mm x 2m long) — 1
- ⑮ W.T. (Wrough iron clamp) — 2 No.
- ⑯ Phase Plate — 1 No.
- ⑰ Barbed wire — 5 Kg.
- ⑱ Danger Plate — 1 No.
- ⑲ Earthing Complete — 1 No.
- ⑳ Eye bolt — 1 No.
- ㉑ Painting of Pole — 1 No.

*Shunil*