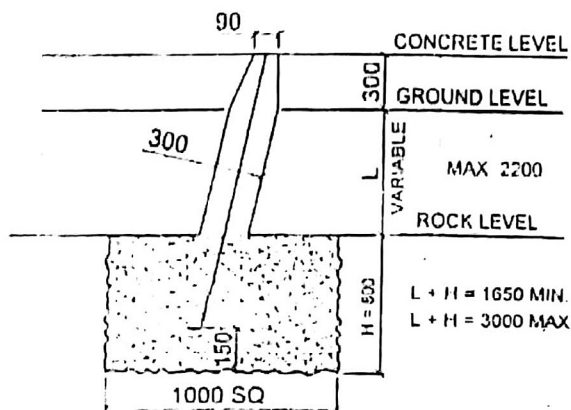


SOFT-ROCK FOUNDATION (NOT FOR FISSURED ROCK)

		N. C.	B.W. C.
ULTIMATE BEARING CAPACITY	Kg./m ²	45000	45000
ULTIMATE BOND STRENGTH (STEEL & CEMENT)	Kg./cm ²	15	15
ULTIMATE BOND STRENGTH (ROCK & CEMENT)	Kg./cm ²	4	4
COMPRESSION PER LEG	Kg.	27748	27977
TENSION PER LEG	Kg.	17976	18209
BASE WIDTH OF FOOTING	m.	1.0	1.0
ALLOWABLE BEARING STRENGTH	Kg.	45000 > 27748 ∴ OK	45000 > 27977 ∴ OK
STUB SECTION	mm.	L90x90x8	L90x90x8
LENGTH OF STUB IN CONCRETE (CONSIDERED ONLY IN ROCK PORTION)	mm.	650	650
ALLOWABLE BOND STRENGTH - STUB & CONCRETE	Kg.	35100 > 17976	35100 > 18209
ALLOWABLE BOND STRENGTH - CONCRETE & ROCK	Kg.	128000 > 17976	128000 > 18209

CONCRETE VOLUME = 4.590 m³ MIN. 5.076 m³ MAX.

EXCAVATION VOLUME = 4.232 m³
(IN SOFT-ROCK)



NOTE :

1. FOR DESIGN OF TOWER REF. DRG. NO. 484/RVPN-11 REV. - A.
2. CONCRETE VOLUME & EXCAVATION VOLUME HAVE BEEN CALCULATED ASSUMING 75 mm CLEARANCE ON ALL SIDES
3. (L + H) SHOULD NOT BE GREATER THAN DEPTH FOR CORRESPONDING NORMAL SOIL CONDITION

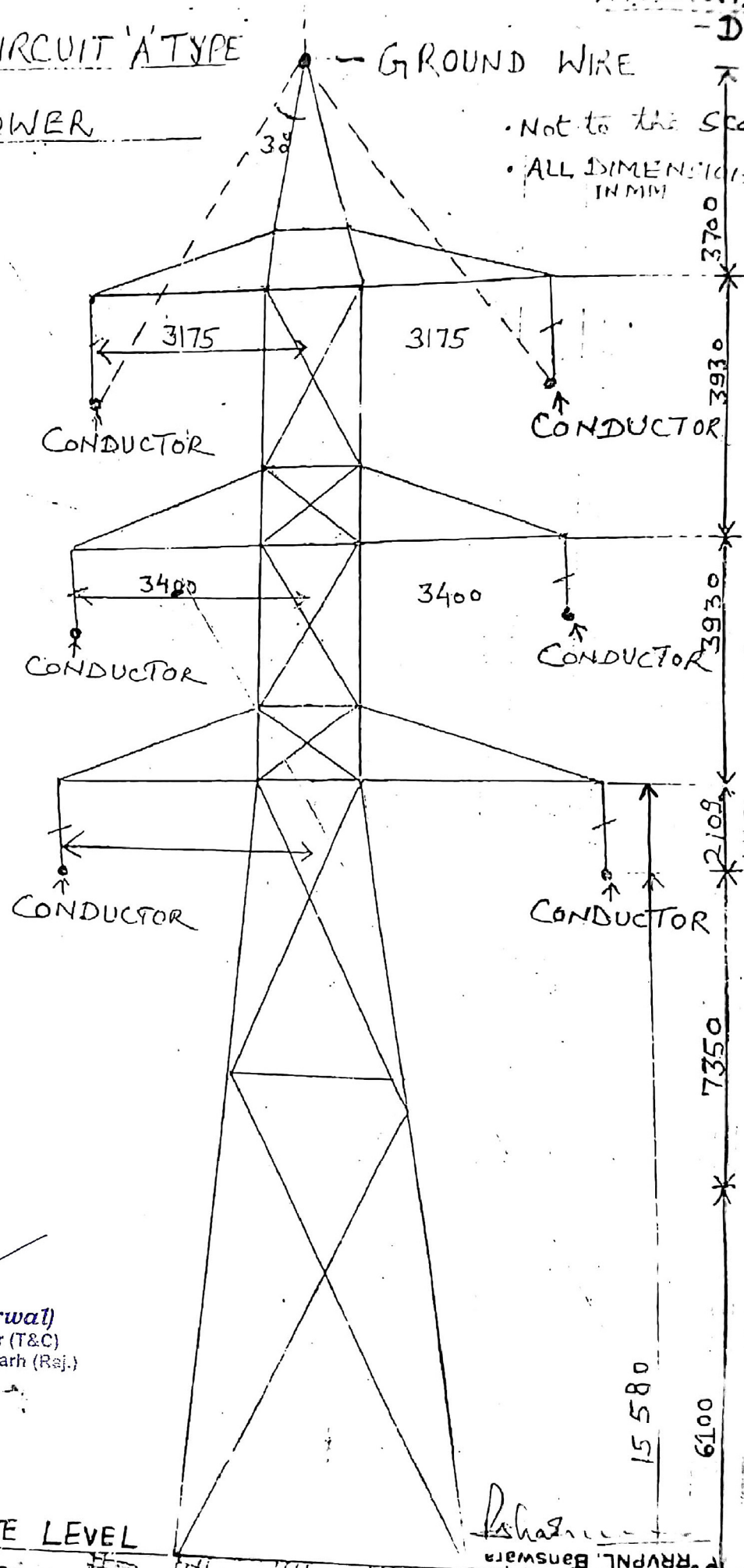
(Pankaj Agarwal)
Executive Engineer (T&C)
R.R.V.P.N.L., Chittorgarh (Raj.)

132-KV DOUBLE CIRCUIT 'A' TYPE

NORMAL TOWER

— GROUND WIRE

- Not to the Scale
- ALL DIMENSIONS IN MM



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R.R.V.P.N.L., Chittorgarh (Raj.)