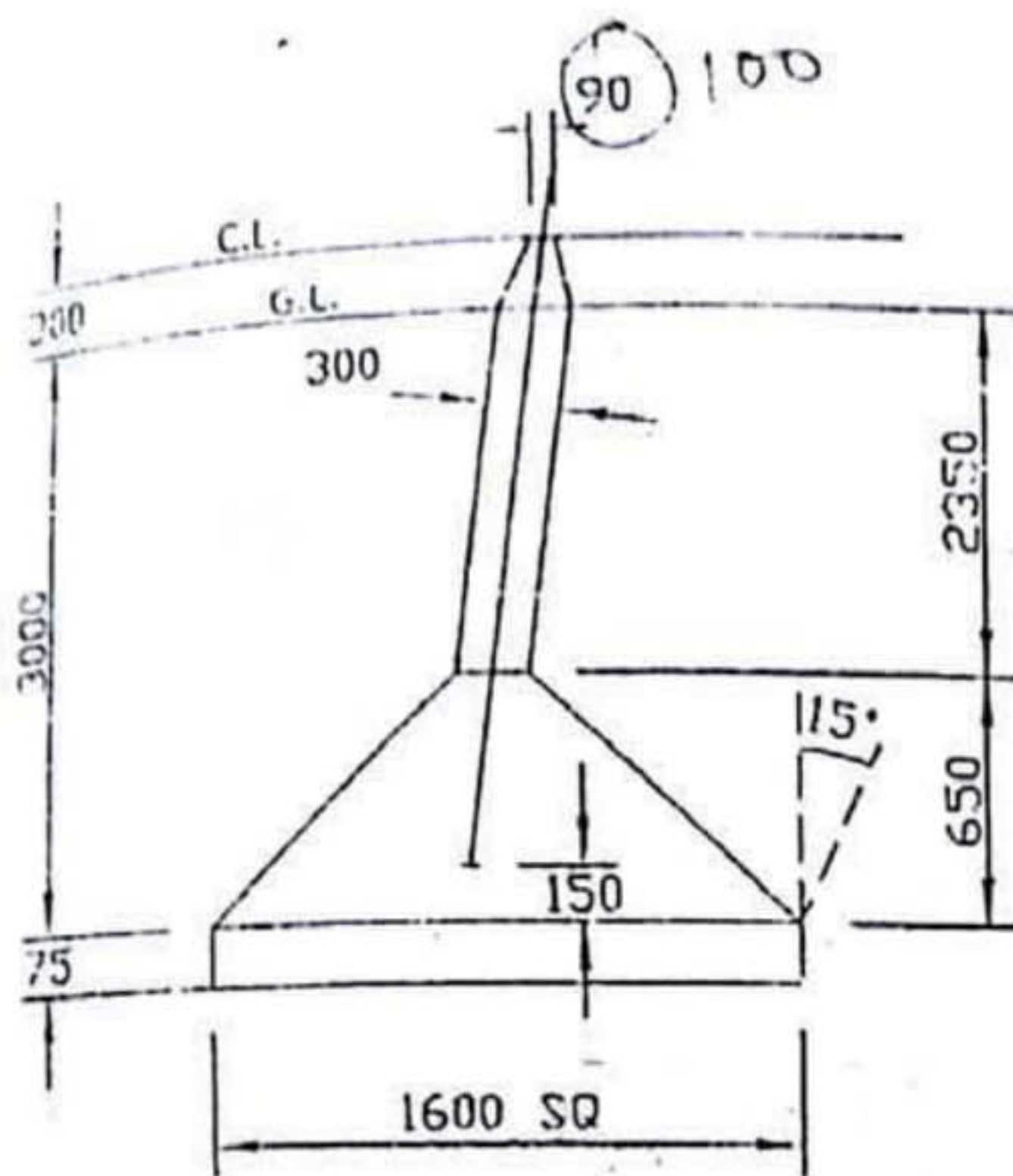




1. STUB SECTION		mm.	L 90x90x8
2. CLEAT SECTION & LENGTH		mm.	L 45x45x4 - 300 lg
3. CONCRETE MIXTURE			
PAD			1:3:6
PYRAMID			1:2:4
CHIMNEY			1:2:4
4. CONCRETE VOLUME			
PAD	m. ³	0.1920	0.7680
PYRAMID	m. ³	0.6782	2.7128
CHIMNEY	m. ³	0.2115	0.8460
MUFFING	m. ³	0.0130 ✓	0.0520
TOTAL	m. ³	1.0947	4.3788
5. EXCAVATION VOLUME			
INCLUDING CLEARANCE	m. ³	11.10 ✓	44.40 ✓
(150 mm.)			

ALL DIMENSIONS ARE IN mm.

RULING CASE

FORCES IN kg. (INCLUDING 1.02 STRNEGTH FACTOR)

1. BEARING

TRANSVERSE LOADS

LONGITUDINAL LOADS

VERTICAL LOADS

MAX.

MIN.

TOWER WEIGHT

WEIGHT OF CONCRETE

TOTAL ULT. DOWN THRUST (WITH 10% EXTRA)

ULT. ALLOWABLE BEARING FORCE

2. UP LIFT

TOTAL ULT. UP LIFT PER LEG WITH 10% EXTRA

WEIGHT OF EARTH FRUSTAUM

3. CHECK FOR BOND IN PYRAMID

ULT. RESISTANCE DUE TO BOND BETWEEN STEEL & CONCRETE

4. CHECK FOR HORIZONTAL SHEAR

WITH STRENGTH FACTOR & 10% EXTRA

RESISTANCE AGAINST OVER TURNING

OVER TURNING MOMENT

GENERALLY ATPROVED
 Subject to the observations vlda on :
 Letter No. 36.33 Date 1.2.06
 S.E. (TL PC) X EN. (TL) A EN. (TL)
 Raj Rajya Vidyut Prasaran Nig.

N.C. I A	G.W.B. II
20397	14986
-	5615
920	925
420	412
1060	1060
2408	2408
27264	27494
54784	54784
18160	18393
30752	30752
34885	34885
> 19084	> 19300
∴ OK.	∴ OK
1086	831
20501	20501
13649	12902

NOTE : - FOR TOWER DESIGN REFER DRG. No. 484 / RVPN - 11 A

REV. A - REVISED AS PER LETTER No. RVPN/TLPC/XEN/TL-A4/TN-3507/MAN/D.3446 DATED : 18.01.2006

(J. P. Khichar)
 Executive Engineer (T&C)
 R.R.V.P.N.L., Sikar