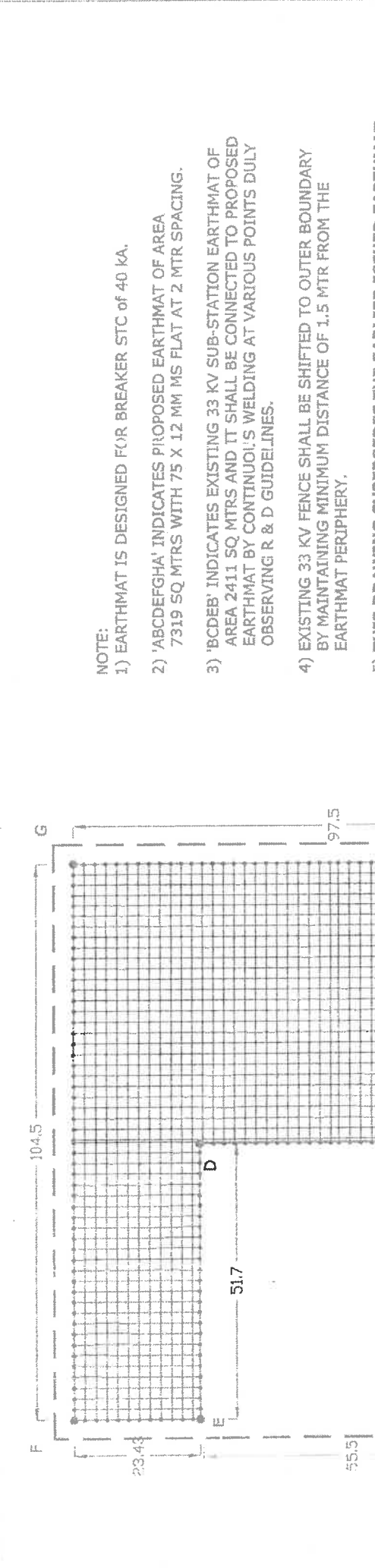


IMPORTANT * THE NO OF CAST IRON PIPE ELECTRODES SHALL BE PROVIDED AS PER GUIDELINES *
* BEFORE EXECUTION PLEASE CAREFULLY GO THROUGH THE ENCLOSED GUIDELINES *
* ALL DIMENSIONS ARE IN METER

| BILL OF MATERIALS (APPROXIMATE QUANTITY) FOR EARTHMAT FORMATION & FENCING. | | | |
|---|--|--|-----------|
| (AS PER THE LAYOUT DRAWING VIDE LTR NO: 903/SEE/71: (Projects)/EE(O)/AEE-3/F-212/25-26/1579-79 dtd:25.7.2025) | | | |
| 1. Excavation, formation, refilling | | | 3054 Cmt. |
| 2. Material for formation of earthmat as per specification | | | |
| a) M.S. Flat 75 X 12 MM | | | 6854 Mtr. |
| b) MS Round rods 40 mm dia, 1.075 Mtr. long | | | 250 No. |
| c) G.I. Flats 75 X 12 MM for earth connection | | | 1856 Mtr. |
| d) Cast iron pipe electrodes of 100 mm dia, 13 mm thick, 2.75 mtr. long | | | 46 No. |
| e) Spreading of Granite metal jelly of size 20/25 mm size to a height of 100 mm | | | 732 Cmt. |



- NOTE:
- 1) EARTHMAT IS DESIGNED FOR BREAKER STC OF 40 KA.
 - 2) 'ABCDEFGHA' INDICATES PROPOSED EARTHMAT OF AREA 7319 SQ MTRS WITH 75 X 12 MM MS FLAT AT 2 MTR SPACING.
 - 3) 'BCDEB' INDICATES EXISTING 33 KV SUB-STATION EARTHMAT OF AREA 2411 SQ MTRS AND IT SHALL BE CONNECTED TO PROPOSED EARTHMAT BY CONTINUOUS WELDING AT VARIOUS POINTS DULY OBSERVING R & D GUIDELINES.
 - 4) EXISTING 33 KV FENCE SHALL BE SHIFTED TO OUTER BOUNDARY BY MAINTAINING MINIMUM DISTANCE OF 1.5 MTR FROM THE EARTHMAT PERIPHERY.
 - 5) THIS DRAWING SUPERSEDES THE EARLIER ISSUED EARTHMAT DRAWING.
 - 6) THE PROPOSED EARTHMAT SHALL BE EXECUTED DULY OBSERVING R & D GUIDELINES

FENCE SHALL BE AT A MINIMUM DISTANCE OF 1.5 METERS AWAY FROM THE PERIPHERY OF THE STATION EARTHMAT

40 MM DIA M.S. ROUND RODS OF LENGTH 1.075 METER TO BE DRIVEN AS SHOWN

MINIMUM 5.5MTRS SPACING SHALL BE MAINTAINED BETWEEN ANY TWO C.I PIPE ELECTRODES.

| | | | |
|--|-------|-----------|-----|
| K & D CENTRE, K P T C L | | | |
| DRG NO. SEE/R&D/EE/KCO-116/F-110(08)/2025-26/R1 Dtd. 02-8-2025 | Scale | Sheet No. | SEE |
| SEE | SEE | SEE | SEE |