

# EARTHMAT FOR THE PROPOSED 220 KV STATION @ SY-44 KYATHAGANACHARLU VILLAGE, TUMKUR DISTRICT.

**IMPORTANT**

\* THE NO OF CAST IRON PIPE ELECTRODES SHALL BE PROVIDED AS PER GUIDELINES (ITEM 2, 4, 5 & 12 OF GUIDELINES)

\* NOT TO SCALE

\* BEFORE EXECUTION PLEASE CAREFULLY GO THROUGH THE ENCLOSED GUIDELINES \*

\* ALL DIMENSIONS ARE IN METER

## SALIENT DESIGN FEATURES

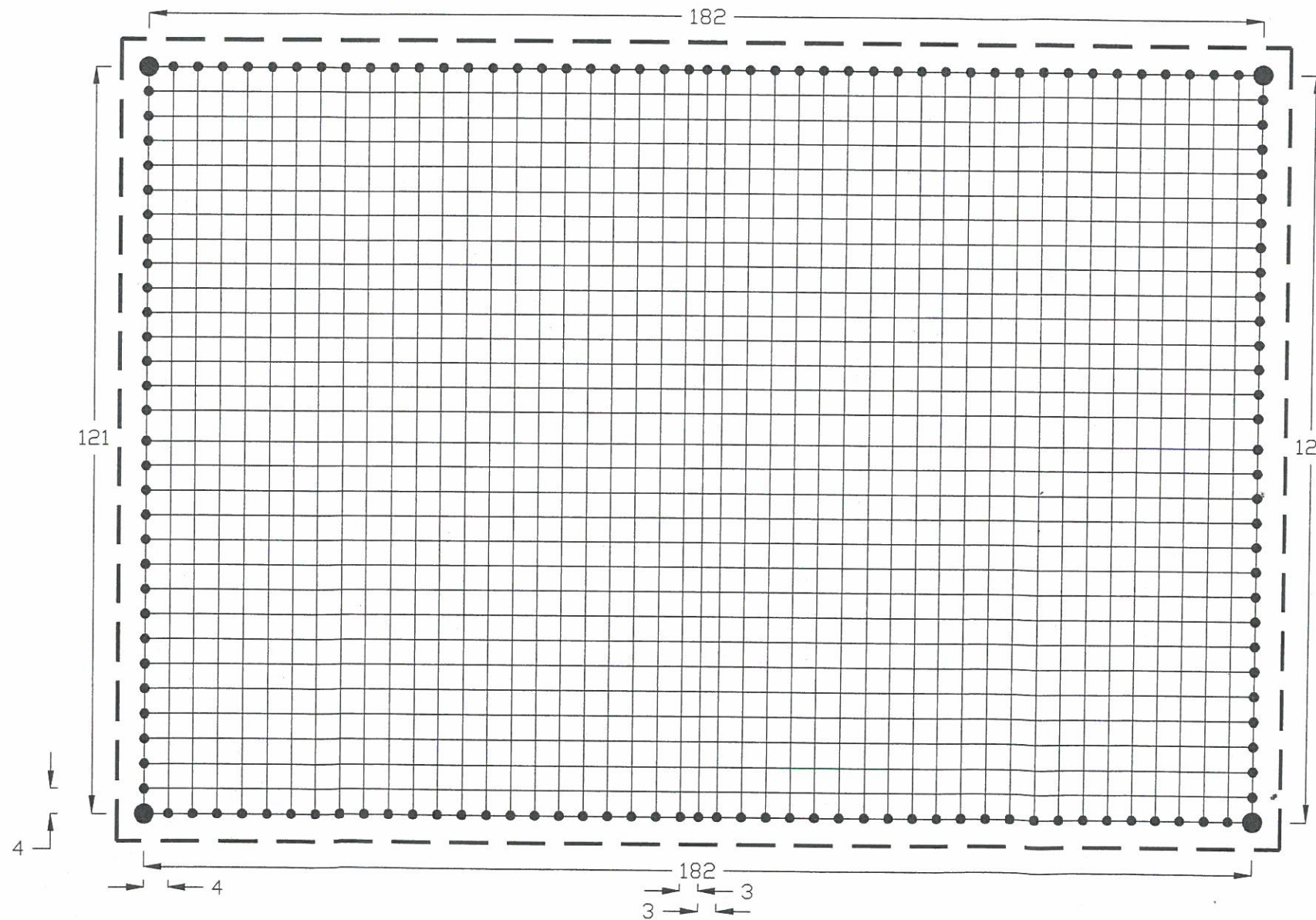
AREA COVERED BY EARTHMAT IN SQ MTR	22022
DEPTH OF BURIAL OF EARTHMAT IN MTR	0.9
SPACING BETWEEN MAT CONDUCTOR (M.S. FLAT) IN MTR	4
SIZE OF EARTHMAT CONDUCTOR (M.S.FLAT) IN MM	75 X 12 MM

**SPREADING OF GRANITE METAL JELLY OF SIZE 20/25 MM TO A HEIGHT OF 100 MM OVER THE ENTIRE EARTH MAT AREA.**

## BILL OF MATERIALS (APPROXIMATE QUANTITY) FOR EARTHMAT FORMATION & FENCING.

( AS PER THE LAYOUT DRAWING NO.KREDL/TECH/SS-220/SP-4 DATED:15-12-2015 )

1.Excavation,formation,refilling	5458	Cmtr.
2.Material for formation of earthmat as per specification		
a)M.S.Flat 75 X 12 MM	12250	Mtr.
b)MS Round rods 25 mm dia,1.05 Mt. long	150	No.
c)G.I.Flats 75 X 12 MM for earth connection	6797	Mtr.
d)Cast iron pipe electrodes of 100 mm Id,13 mm thick,2.75 mtr.long	96	No.
e)Spreading of Granite metal jelly of size 20/25 mm size to a height of 100 mm	2202	Cmtr.



- — — FENCE SHALL BE AT A MINIMUM DISTANCE OF 1.5 METERS AWAY FROM THE PERIPHERY OF THE STATION EARTHMAT
- 25 MM DIA M.S. ROUND RODS OF LENGTH ONE METER TO BE DRIVEN AS SHOWN
- ADDITIONAL C.I.PIPE ELECTRODES PROPOSED (REF.ENCLOSED SKETCH)

**R & D CENTRE, K P T C L**

DRG NO:SEE/R&D/EEE/KCO-116/F-200(270)/15-16 Dtd.27-1-2016

<i>[Signature]</i> EEE	<i>[Signature]</i> EEE	<i>[Signature]</i> SEE	<i>[Signature]</i> CEE
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