

EARTHMAT FOR THE PROPOSED 220 KV STATION @ SY NO.225, RAYACHARLU VILLAGE, PAVAGADA TQ, TUMAKURU DISTRICT.

IMPORTANT

* NOT TO SCALE

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

* BEFORE EXECUTION PLEASE CAREFULLY GO THROUGH THE ENCLOSED GUIDELINES *

* ALL DIMENSIONS ARE IN METER

SALIENT DESIGN FEATURES

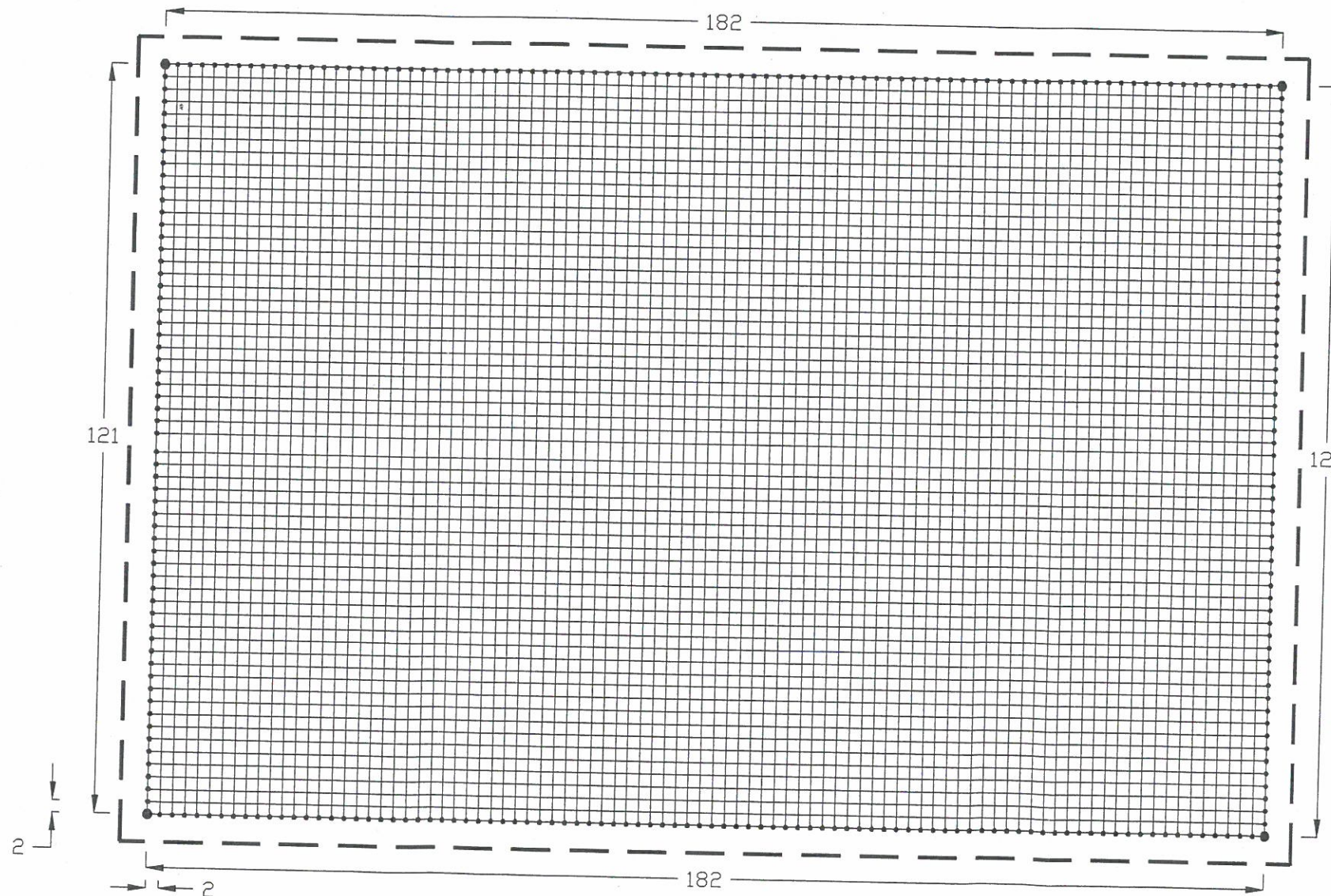
AREA COVERED BY EARTHMAT IN SQ MTR	22022
DEPTH OF BURIAL OF EARTHMAT IN MTR	0.9
SPACING BETWEEN MAT CONDUCTOR (M.S. FLAT) IN MTR	2
SIZE OF EARTHMAT CONDUCTOR (M.S.FLAT) IN MM	75 X 12 MM

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 DTD:15.12.2015 OF KSPDCL)

1. Excavation, formation, refilling	10365	Cmtr.
2. Material for formation of earthmat as per specification		
a) M.S. Flat 72 X 12 MM	23264	Mtr.
b) MS Round rods 25 mm dia, 1.05 Mt. long	300	No.
c) G.I. Flats 72 X 12 MM for earth connection	6000	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. CEE/SEE/R&D/EEE/KCO-126/F-200(266) Dtd.23-01-2016.			
AEEE	EEE	SEE	CEE