

**EARTHMAT FOR THE PROPOSED 220 KV STATION @ SY NO.131, THIRUMANI 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 \*

BTP

\* ALL DIMENSIONS ARE IN METER

**SALIENT DESIGN FEATURES**

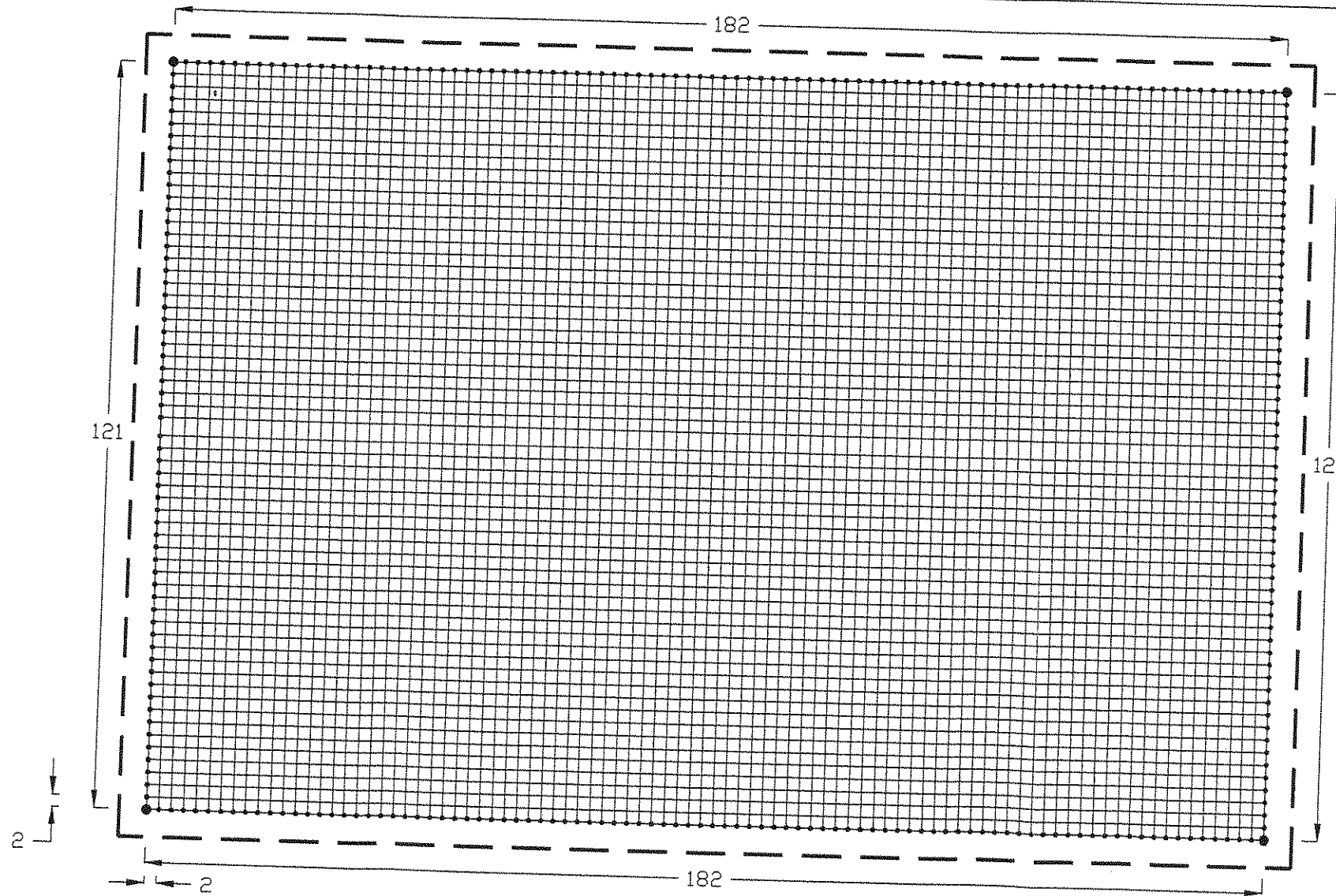
AREA COVERED BY EARTHMAT IN SQ MTR	22022
DEPTH OF BURIAL OF EARTHMAT IN MTR	0.9
SPACING BETWEEN MAT CONDUCTOR (M.S. FLAT) IN MTR	2
SIZE OF EARTHMAT CONDUCTOR (M.S.FLAT) IN MM	75 X 12 MM

**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.**

REF: Ltr.no.:KSPDCL/SP/08/2015-16/06 DTD:06.01.2016 of CEO, KSPDCL.  
( AS PER THE LAYOUT DRAWING NO.KRDEL/TECH/SS-220/SP-4 DTD:15.12.2015 )

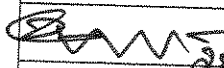
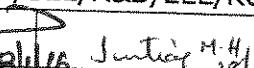
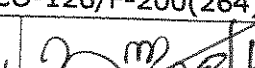
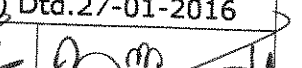
1.Excavation,formation,refilling	10365	Cmtr.
2.Material for formation of earthmat as per specification		
a)M.S.Flat 72 X 12 MM	23264	Mtr.
b)MS Round rods 25 mm dia,1.05 Mt. long	300	No.
c)G.I.Flats 75 X 12 MM for earth connection	6000	Mtr.
d)Cast iron pipe electrodes of 100 mm Id,13 mm thick,2.75 mtr.long	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(264) Dtd.27-01-2016

 AEEE	 EEE	 SEE	 CEE
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