



BILL OF MATERIAL			
Sl. No.	SYMBOL	DESCRIPTION	QTY.
1.		EARTH PITS	04 Nos.
2.		INSTRUMENT EARTH PITS	01 Nos.
2.		EARTH PITS FOR LIGHTNING PROTECTION	00 Nos.
3.		50 x 6 mm G.I. STRIP FOR INTER CONNECTING EARTH PITS	115 MTRS. (APPROX.)
4.		25 x 3 mm G.I. STRIP FOR INTER CONNECTING MAIN GRID TO PROCESS EQUIPMENT.	200 MTRS. (APPROX.)
5.		G.I. WIRE, WIRE ROPE COPPER STRIP etc.	AS REQUIRED

- NOTES :-**
- EARTHING OF TANKS, PIPE, FLANGES AND ELECTRICAL EQUIPMENTS ETC. SHALL BE AS PER SPECIFICATION NO. MEC/S/05/E9/02 & IS:3043.
 - LOCATION OF EARTH PITS ARE INDICATIVE, EXACT LOCATION SHALL BE DECIDED AT SITE AS PER DIRECTION OF ENGINEER IN CHARGE.
 - ROUTE OF G.I. STRIP LAYOUT AS PER SITE CONDITION.
 - FOR EARTH PIT DETAILS REFER DRG. NO. MEC/SD/05/E9/23/01
 - QTY. GIVEN IN BOM ARE ONLY TENTATIVE. PROCUREMENT SHALL BE DONE AS PER ACTUAL SITE CONDITIONS, APPROVED CONSTRUCTION DRAWINGS & ENGINEER-IN-CHARGE.
 - EARTH STRIP SHALL BE LAID 500 MM BELOW THE GROUND LEVEL.
 - LIGHTNING EARTH STRIP SHALL BE LAID ON THE PARAPET OF THE TERRACE BUILDING.
 - EARTHING OF STATION FENCING & ANY OTHER METALLIC STRUCTURE SHALL BE DONE BY 25X3 MM G.I. STRIP AT TWO LOCATIONS (BY STRIP WELDING, NOT BY BOLTING).
 - EACH EARTH ELECTRODE SHALL BE PROVIDED WITH DISCONNECTION FACILITY TO HAVE MEASUREMENT OF INDIVIDUAL RESISTANCE OF ELECTRODE.
 - ALL ELECTRICAL PANELS, EQUIPMENTS, GI POLE, MECHANICAL EQUIPMENTS SHALL BE DOUBLY EARTHED WITH EARTH GRID.
 - ALL JOINTS OF EARTH ELECTRODE SHALL BE PROPERLY WELDED.
 - LIGHTNING PROTECTION SHALL BE PROVIDED AS PER IS:2309.
 - EARTH RESISTANCE OF MAIN GRID SHALL BE LESS THAN 01 OHM.
 - A SEPARATE EARTH STRIP IS RUN ALONG EACH CABLE TRAY.
 - ALL JOINTS BELOW GRADE ARE WELDED AND SUITABLY PROTECTED BY GIVING TWO COATS OF BITUMEN AND COVERED WITH HESSIAN TAPE.
 - THE STARTER PANEL OF BOREWELL SHALL BE EARTHED THROUGH GI WIRE FROM NEAREST GRID.
 - BATTERY STAND & MCCB-ISOLATOR-BOX SHALL BE EARTHED.
 - 1 NO. OF INSTRUMENT EARTH PIT (EE) SHALL BE USED FOR COMPRESSOR & FOR DISPENSER AND EARTHING SHALL BE DONE BY CABLE.

ISSUED FOR CONSTRUCTION

SIGNATURE : _____ DATE : _____

HARIDWAR NATURAL GAS PVT. LTD.

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MECON LIMITED

SECTION	ELECTRICAL	CITY GAS DISTRIBUTION NETWORK HARIDWAR
LOCATION	DELHI	
DESIGNED	SHIFA	EARTH PIT LAYOUT FOR DAUGHTER BOOSTER CNG STATION
DRAWN	BHAWNA	
CHECKED AND VERIFIED	QUASIM	
SIG		SCALE : 1 N.T.S.
APPROVED		REV.
DATE	30.12.2021	DRG. NO. MEC/07AU/05/E9/E/CHAUDHARY FILLING/1081B
REV. NO.	DATE	ZONE
DESCRIPTION	BY	VERIFIED
REVISION		REFERENCES
DRG. NO.		CHECKED AND VERIFIED

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