

TYPE OF EQUIPMENT	EARTH CONDUCTOR SIZE (SEE NOTE-1)
MOTORS UPTO 3.7KW	8 SWG SOLID G.I. WIRE
MOTORS FROM 5.5KW TO 30KW & WELDING RECEPTACLES	10 MM (3/8") DIA G.I. WIRE ROPE
MOTORS ABOVE 30KW INCLUDING HV MOTORS	16 MM (5/8") DIA G.I. WIRE ROPE/ 40x5 MM G.I. STRIP
BUILDING COLUMNS	40 x 5 G.I. STRIP
STORAGE TANKS (VERTICAL & HORIZONTAL)	40 x 5 G.I. STRIP
LOADING RACKS	40 x 5 G.I. STRIP
VESSELS & HEAT EXCHANGERS	40 x 5 G.I. STRIP
SMALL EQUIPMENT & INSTRUMENTS	8 SWG SOLID G.I. WIRE
LIGHTING, POWER & INSTRUMENT PANELS	10 MM (3/8") DIA G.I. WIRE ROPE
MAIN EARTH BUS / MV & HV SWITCH GEAR INTERCONNECTIONS/ POWER TRANSFORMER	AS SPECIFIED
EHV & HV SUB-STATIONS	AS SPECIFIED
PUSH BUTTON STATIONS	8 SWG SOLID G.I. WIRE
STREET LIGHT POLES	10 MM (3/8") DIA G.I. WIRE ROPE
LIGHTING TRANSFORMER	16 MM (5/8") DIA G.I. WIRE ROPE
PIPE RACK	40X5 G.I. STRIP
BONDING OF PIPE	25 SQ. MM INSULATED FLEXIBLE CU. CABLE

NOTE:—

- EARTH CONNECTIONS TO INDIVIDUAL EQUIPMENT FROM NEAREST EARTH PLATE / GRID MAY ALSO BE DONE ALTERNATIVELY USING ALUMINIUM / COPPER CONDUCTOR PVC INSULATED CORE OF SIZE NOT LESS THAN HALF THE CROSS-SECTION OF RESPECTIVE POWER CABLE TO EQUIPMENT (MOTOR, PANEL ETC.). CONNECTIONS SHALL BE MADE USING CRIMP TYPE OF LUGS.
- GREEN COLOR SLEEVING (ABOUT 50 MM LENGTH) SHALL BE PROVIDED AT BOTH ENDS TO DENOTE EARTHING.

6	27.06.11	REVISED AND ISSUED	BP	RKS/RSC	UAP	DM
5	31.01.07	REAFFIRMED & ISSUED	BP	RKS/AKJ	JMS	VC
Rev. No.	Date	Purpose	Prepared by	Checked by	Stds. Committee Convenor	Stds. Bureau Chairman
						Approved by