



TABLE 1 - GROUND CLEARANCE (OTHER THAN INSULATED SERVICE CONDUCTORS)

LOCATION	DISTANCE TO GROUND IN ANY DIRECTION		
	U<1kV	1kV<U<33kV	33kV<U<132kV
OVER LAND WHICH DUE TO ITS STEEPNESS OR SWAMPINESS IS NOT ABLE TO BE TRAVERSED BY VEHICLES.	4.5m	4.5m	5.5m
OVER LAND OTHER THAN THE CARRIAGEWAY OF ROADS.	5.5m (note 4)	5.5m	6.7m
OVER THE CARRIAGEWAY OF MINOR ROADS	6m	6.7m	8m
OVER THE CARRIAGEWAY OF MAJOR ROADS	6.7m (note 5)	6.7m	9m

TABLE 2 - GROUND CLEARANCE (INSULATED SERVICE CONDUCTORS)

LOCATION	DISTANCE TO GROUND IN ANY DIRECTION
OVER THE CENTRE OF A ROAD.	5.5m
OVER ANY OTHER PART OF A ROAD.	4.6m
OVER A FOOTWAY OR LAND THAT IS LIKELY TO BE USED BY HEAVY VEHICLES	4.6m
OVER A FOOTWAY OR LAND THAT IS NORMALLY USED ONLY BY MOTOR CARS OR VEHICLES OF SIMILAR HEIGHT ELSEWHERE.	3.0m
	2.7m

TABLE 3 - CLEARANCE FROM STRUCTURES

LOCATION		CONDUCTOR					
		U<1kV		U>1kV		1kV<U<33kV	33kV<U<132kV
		INSULATED	BARE	INSULATED WITH EARTHED SCREEN	INSULATED WITHOUT EARTHED SCREEN	BARE or COVERED	BARE
A	VERTICALLY (AND NEAR VERTICALLY), FROM ANY PART OF THE STRUCTURE NORMALLY ACCESSIBLE TO PEOPLE	2.7m	3.7m	2.7m	3.7m	4.6m	5.0m
B	VERTICALLY (AND NEAR VERTICALLY), FROM ANY PART OF THE STRUCTURE NOT NORMALLY ACCESSIBLE TO PEOPLE BUT ON WHICH A PERSON CAN STAND	1.2m	2.7m	2.7m	2.7m	3.7m	4.5m
C	ANY DIRECTION (OTHER THAN VERTICALLY), FROM THOSE PARTS OF THE STRUCTURE NORMALLY ACCESSIBLE TO PERSONS, OR FROM ANY PART NOT NORMALLY ACCESSIBLE TO PERSONS BUT ON WHICH A PERSON COULD STAND.	1.5m (note 3)	2.0m	1.5m	1.5m	2.7m	3.0m
D	ANY DIRECTION (OTHER THAN VERTICALLY), FROM ANY PART OF THE STRUCTURE NOT NORMALLY ACCESSIBLE TO PERSONS.	0.3m (note 3)	1.5m	0.3m	1.5m	2.7m	2.7m
E	ANY DIRECTION, FROM AN OUTDOOR WIRELESS OR TELEVISION AERIAL OR PART OF A STAY WIRE FOR THE AERIAL	1.5m	1.5m	1.5m	1.5m	1.5m	2.7m
F	VERTICALLY FROM ANY PART OF A FULLY EXTENDED CLOTHES LINE	1.8m	3.7m	4.6m	4.6m	4.6m	5.5m
G	ANY DIRECTION (OTHER THAN VERTICALLY), FROM ANY PART OF A FULLY EXTENDED CLOTHES LINE	1.8m	3.0m	3.0m	3.0m	3.0m	3.0m

GENERAL NOTES:

1. THE MINIMUM DISTANCE FROM ANY PART OF AN AERIAL LINE IS TO BE MEASURED FROM THE NEAREST POINT TO WHICH THE LINE SAGS OR SWINGS. FOR SAG THIS IS AT THE MAXIMUM DESIGN OPERATING TEMPERATURE (NORMALLY 65°C FOR DISTRIBUTION LINES and 120°C FOR TRANSMISSION LINES). FOR SWING THIS IS AT THE MAXIMUM DESIGN WIND LOADING (500Pa WIND)
2. COVERED CONDUCTORS TO BE TREATED AS BARE CONDUCTORS
3. THIS CLEARANCE CAN BE FURTHER REDUCED TO ALLOW FOR TERMINATION AT THE POINT OF ATTACHMENT
4. LOW VOLTAGE CONDUCTORS CONSTRUCTED PRIOR TO 1998 REQUIRE ONLY 4.6m GROUND CLEARANCE OVER LAND OTHER THAN ROADS
5. MAJOR ROADS ARE DEFINED AS ROADS WITH DUAL CARRIAGEWAYS OR 100kph (or GREATER) SPEED LIMIT. ALL OTHER ROADS SHALL BE CONSIDERED AS MINOR ROADS
6. REFER TO DRAWING 3832-020, CLEARANCE REQUIREMENT FOR SWIMMING POOL FROM ELECTRICAL INFRASTRUCTURE.
7. WHERE THERE IS A RISER BRACKET INSTALLED OVER AN EVES OVERHANG ABOVE WINDOW DIMENSION "A" IS NOT APPLICABLE
8. ELECTRICAL POINT OF ATTACHMENT MUST BE ACCESSIBLE AND FREE OF OBSTRUCTION AT ALL TIMES.

No	Revision	Date	Checked	Approved
K	HV CLEARANCE ABOVE MAJOR RD'S REVISED TABLE 1	26/07/2007	GA	GA
J	NOTE 1 AMENDED INCLUDE TRANS. LINE DESIGN TEMP.	13/08/2003	GA	SF
N	LOGO AND REFERENCES UPDATED TO EVOENERGY	8/01/2018	C. Desai	W. Ibrahim
M	DRG APPROVED AS CURRENT	24/04/2015	CD	WC

	Scale:	Date:	Sheet No:
MINIMUM CLEARANCES INSULATED & BARE OVERHEAD CONDUCTORS	Work Pack No:	File:	
	Status: Current		
	A3	3811-004	Rev N