

## **Policies & Regulations**

### Medium & High Voltage Distribution Safety Rules

The Electricity Department applies these rules and only qualified and competent personnel are authorised to perform certain functions. These rules are not intended as substitute for the greatest care and vigilance on the part of all concerned, nor as a full set of requirements for the protection of equipment.

### Labour Act and Electricity

The Electricity Department is required to carry out its operation in strict compliance with the relevant Labour Act, 1992, Chapter 9. The safety rules are to be read in conjunction with the Act. Where conflict exists between the Act and these rules, the provision of the Act shall take precedence.

### Electricity Standards

#### Available Supply Connections

230 V AC 50Hz single phase up to 60A

400 V AC 50Hz three phase as large as required (Positive Phase Rotation)

11 kV AC 50Hz three phase as large as required (Positive Phase Rotation)

### Domestic Standards

Socket outlets are 16A, 3-round pin socket outlets with live, neutral and earth connection for 230Vac 50Hz use only. All installations to be equipped with Earth Leakage Detection Device. Shaver socket outlets generally not available.

### Installation Standards

All equipment used in an installation to conform to SABS, BS or DIN standards. New or revisions to any existing installations can only be done by electrical contractor licensed by the City of Windhoek. All installations to conform to the SABS 0142-01 Wiring of Premises regulations. Supply conditions subject to [Municipal Supply Regulations](#) available at the office of the Strategic Executive: Electricity. All new and revisions to electrical installations to be inspected by Installation Inspectors at 290 2460 or 290 2461.

### Electricity Meter Type Standards

Single phase conventional meter up to 60A

Single phase pre-payment meter up to 60A

Three phase conventional meter up to 3 x 80A

Three phase pre-payment meter up to 3 x 80A

Maximum Demand kVA and kWh meter as large as required

### Equipment Standards

Electrical equipment procured by the Department must comply with recognised standards as indicated in the technical specification. The following standards are acceptable for guidance:-

- SABS – South African Bureau Standards
- BS – British Standards
- IEC - International Electrotechnical Commission
- NRS – National Rationalized User Specification

### Electrical Consulting/Contractual Work

The COW recently introduced FIDIC (International Federation of Consulting Engineers) as the standard for tendering and specification. The Electricity Department will apply this standard for future tenders/contracts or service agreements.

### Related Electricity Links

- White Paper on Energy Policy <http://www.mme.gov.na/energy/policy.html>
- Electricity Act, 2000 <http://www.mme.gov.na/energy/acts/regulations-electricity.html>
- Electricity Control Board of Namibia <http://www.ecb.org.na>
- Ministry of Mines and Energy <http://www.mme.gov.na>

### Electrical Safety Tips

The following web sites provide general information which are applicable to electrical safety tips:-

- [http://www.eskom.co.za/customers/electricitytips/safetyaroundthehome\\_content.html](http://www.eskom.co.za/customers/electricitytips/safetyaroundthehome_content.html)
- [http://www.originenergy.com.au/safety/index.php?area\\_id=2](http://www.originenergy.com.au/safety/index.php?area_id=2)
- <http://sln.fi.edu/franklin/safety.html>

### Electricity Restructuring and Ring-Fencing

A consultant Messrs AloeCap was appointed to assist with the ring fencing process. This should be finished by end of June 2003 . The City can only decide on restructuring issues in more detail once the ring fencing process is completed. Other preparations which will assist the process are already completed eg. compiling of assets register, preparation of a Master Plan and other preparations which are requested by the ECB (Electrical Control Board) from time to time. The City was up till now chairing the Technical Committee who prepared preliminary work for the establishment of the Central and Southern RED. (Regional Electricity Distributor).