

Electricity Commission
Planning and Studies Division
Baghdad – IRAQ

Specification No	D- 25
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11 kv
EXPULSION FUSE
CUTOUTS TECHNICAL
SPECIFICATION

Revision	Year 2001		
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11 KV and 33 KV

EXPULSION FUSE CUTOUTS TECHNICAL SPECIFICATION

SCOPE OF TENDER

This tender includes for the manufacturing. Testing. Packing .delivery CIF Baghdad of outdoor type 11 kv and 33 kv expulsion fuse cutouts

1- General requirments

The materials shall be of first class quality and designed for continuous satisfactory operation as continuity of supply is of prime importance and to operate satis factorly under variation of load . voltage and short circuit or other conditions which may occur on the system provided that these variations are within the assigned rating of the apparatus . the fuse cutouts shall be designed to work at it rated performance at the following climatic conditions.

2- Climatic conditions

2.1 –Ambient temprature

Max 55 C

Min - 10

Black object exposed to direct solar radation shall attain atemperature of 80C

2.2 Relative humidity

Max 95%

Min 10%

2.3- Altitude : 1000 m A.S.L

2.4 Sand storms

The equipments shall be suitable for outdoor installation subgeted to strong frequent sand storms and heavily polluted atmosphere.

3- Technical requirements

3-1- construction .

The expulsion fuse cutout shall be designed As a single pole outdoor type suitable for pole mounting on cross arms. Therefore it shall be supplied complete with fuse holder and fuse link elements with holder bimetal clamp connectors.

The fuse link element shall be of a current limiting type . in accordance with IEC 282 .

The rating of both 33 and 11 kv fuses cutouts shall be 100 A.

3-2 system data

- Nominal voltage (KV)	11	33
- Highest system voltage (KV)	12	36
- Frequency(HZ)	50	50
- Symetrical short circuit current (KA)	25	25
- Condition of neutral point	isolated	earthed

3.3 – Standards

All equipments and accessories shall be manufactured in accordance with the latest publications of IEC standards.

3-4 – Deviations

The tenderer shall particularly mention in his tender any deviation from this specification

4- TESTS

All type and routine tests prescribed in relevant IEC standards shall be carried out by the manufacturer . test certificates for identical equipments should be included with the offer.

5- PACKING

The supplier will pack or protect the goods in the most appropriate manner . he will be responsible for any loss or damage arising from careless packing or protection up to the place of final destination .

The method of packing shall be such as to protect all of the items against excessive corrosion or dampness . And shall afford adequate protection against breakage or other injury or loss due to breakage of cases or crates from the time . The item leaves the factory until finally installed during which time . the apparatus will travel by rail . by long sea voyage again by rail or truck to the site or store.

Note: For spare element fuse
