

RURAL ELECTRIFICATION AGENCY



SUPPLY AND DELIVERY OF EYE BOLT 16MM X 330mm (5/8" X 13") DRAWING D615-3A ITEM B HOT DIP GALVANISED

2.0. TECHNICAL REQUIREMENTS/ SPECIFICATIONS

INTRODUCTION

This Specification covers the manufacture, supply and delivery of **EYE BOLT** for REF's electrical distribution system. The type of **EYE BOLT** required under this Specification are as detailed in this Specification in the corresponding clauses.

Standards

Except where otherwise specified or implied, IEC Recommendation or British Standards (BS) where they amplify IEC, shall apply throughout.

Any other standard provided the Tenderer can provide documentary evidence that the standard is equal to or better than the above standards.

All tenderer's correspondence and all descriptions upon drawings, illustrations or instructions shall be in the English language.

SI unit of measurements shall be used throughout. The EYE BOLT shall be manufactured to high quality standards. The companies manufacturing the units shall have ISO 9001 or 2 or Standard Association of Zimbabwe Certification and shall submit documentary proof thereof.

DETAILED SPECIFICATION

All materials shall be inspected and tested in full to prove compliance with the requirements of this Specification to the satisfaction of the REF. The testing shall be carried out according to the relevant standards approved by the REF, like:

ASTM A 153 Zinc coating (hot-dip) on Iron and Steel Hardware, and ISO 1461

Type test certification shall be submitted for all major components certified by an internationally recognised test institute or laboratory. If the Supplier fails to submit such test certificates, the bid is liable to be rejected.

Any other standard provided the Tenderer can provide documentary evidence that the standard is equal to or better than the above standards.

All tenderer's correspondence and all descriptions upon drawings, illustrations or instructions shall be in the English language.

SI unit of measurements shall be used throughout. The eye bolt shall be manufactured to high quality standards. The companies manufacturing the units shall have ISO 9001 or 9002 or Standard Association of Zimbabwe Certification and shall submit documentary proof thereof.

DETAILED SPECIFICATION

The eye bolt shall be made of mild steel. All iron and steel hardware shall be hot-dip galvanized to ASTM A153/EN ISO 1461 or British or IEC standards. All bolts and nuts shall be made of mild steel.

All materials, whether fully specified herein or not, shall be of first class quality and shall conform with the best modern practice and comply in all respects with these Specifications.

All material shall be free from folds, cracks and other exterior and interior defects, which can affect its strength, ductility, durability or ability to function.

Care shall be taken to ensure that all hardware and fittings supplied constitute complete assemblies. The Supplier has complete responsibility in this respect whether drawings are approved or not and shall replace at no cost to the Agency any parts not fitting the assemblies.

Bidder is required to fill in the Schedule of Technical Guarantees below. Failure to do so will lead to rejection of the bid.

3.0 SCHEDULES OF TECHNICAL GUARANTEES

Item	Description	Unit	Required	Guaranteed Data
1.	Material Type	-	Mild steel	
2.	Material Galvanising Standard	-	Hot Dip Galv	
3.	2 Full Nuts and 1 Washer	Yes/No	Yes	
4.	Shank Length	mm	115	
5.	Thread Spread Length	mm	150	
6.	Thread Diameter	mm	16	
7.	Eye Inside Diameter	mm	38	
8.	Eye Outside Diameter	mm	70	
9.	Manufacturer	-		
10.	Quality Standard Certification of Manufacturer	-		
11.	Country of manufacture	-		