



Kenya Electricity Transmission Company Limited
"Building a World Class National Grid"

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Web: www.ketraco.co.ke | email: info@ketraco.co.ke

Our ref: KETRACO/PT/017/2020

13th November, 2020

NOTICE TO ALL INTERESTED BIDDERS

RE: TENDER ADDENDUM AND CLARIFICATION 1

TENDER FOR PROCUREMENT OF ANTI – THEFT BOLTS AND NUTS FOR ALL TRANSMISSION LINE TOWERS TENDER NUMBER KETRACO/PT/017/2020

The following amendments are made to the specified provisions of the tender for procurement of Anti – Theft Bolts and Nuts for all Transmission Lines, Tender Number KETRACO/PT/017/2020. Save where expressly amended by the terms of this clarification, the Principal Tender Document shall continue to be in full force and effect.

Find herein the ADDENDUM and CLARIFICATION No. 1, consisting of TWO (2) pages into the Principal Tender Documents. This document should be returned along with dully filled Form of Tender.

	CLARIFICATION SOUGHT	KETRACO RESPONSE
1	Please advise if you require mild steel bolts, nuts and washers or high tensile. If high tensile,	All bolts and nuts shall be of mild steel and conform to ISO 898 (part 1&2) with mechanical properties class 5.6 for bolts and 5 for nuts in line with clause 5.2.1 of technical requirements
2	Do you want galvanized or black?	All the bolts, nuts and washers to be supplied shall be hot-dip galvanised in accordance with ASTM A123. The minimum thickness of zinc coating required shall be 610 grams of zinc per square metre of surface. For threaded areas, minimum zinc coating shall be 305 grams of zinc per m ²
3	What kind of head is required Hex, Round etc.	Round
4	We would like to know the size of fasteners that you require as we tried to search the SAP Ariba platform RFI and found various sections but could not locate the page where sizes of fasteners required by you are mentioned	Details as to the sizes of respective bolts are in the Price Schedules for Goods
5	could you let me know the quantity and the thickness of the nut for each size	Bidder shall provide 2500 pieces for type of anti-theft bolt complete with washer, nut and 25mm as

		nut length inclusive of the portion to be sheared off.
6	Please let us know the grip length (also called the length without the thread for each one).	The bidder shall provide full threaded antitheft bolt.
7	Can we get the drawings for better precision?	See the attached Sample drawings for guidance.
8	What will be the weight of each item specified in the price schedule	See the attached Technical schedule below

For any clarifications, kindly email ftsuma@ketraco.co.ke, pkubasu@ketraco.co.ke.

The Tender Closing Date shall remain as per the tender document. All other terms and conditions of the tender document remains the same.

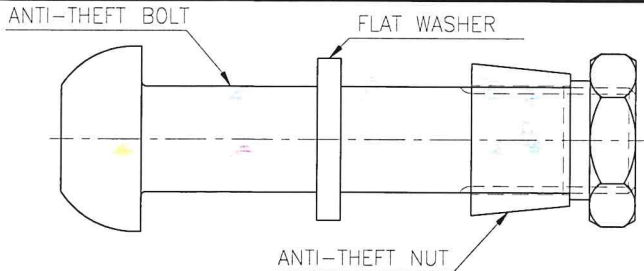


PETER NJEHIA
SENIOR MANAGER, SUPPLY CHAIN

TECHNICAL SCHEDULE

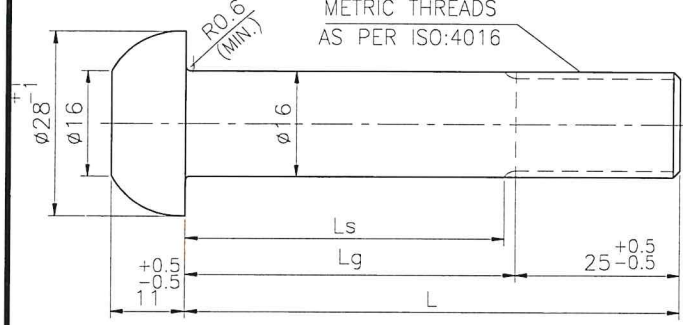
1	2	3	5	6	7
Item no.	Item description	Unit of Measure	Quantity (Pcs)	Required Unit weight(Kg)	Offered Unit weight(Kg)
6.1.0	Supply of 12mm Diameter Anti-theft bolts complete with nuts and Washers				
6.1.1	30 mm long bolt	pcs	2500	0.065	
6.1.2	45 mm long bolt	Pcs	2500	0.080	
6.1.3	50 mm long bolt	Pcs	2500	0.085	
6.1.4	55 mm long bolt	Pcs	2500	0.090	
6.1.5	60 mm long bolt	Pcs	2500	0.085	
	washer			0.023	
6.2.0	Supply of 16mm Diameter Anti-theft bolts complete with nuts and Washers				
6.2.1	30 mm long bolt	Pcs	2500	0.168	
6.2.2	35 mm long bolt	Pcs	2500	0.178	
6.2.3	40 mm long bolt	Pcs	2500	0.188	
6.2.4	45 mm long bolt	Pcs	2500	0.198	
6.2500	50 mm long bolt	Pcs	2500	0.208	
6.2.6	55 mm long bolt	Pcs	2500	0.210	
6.2.7	60 mm long bolt	Pcs	2500	0.220	
6.2.8	65 mm long bolt	Pcs	2500	0.230	
6.2.9	75 mm long bolt	Pcs	2500	0.260	
	washer			0.021	
6.3.0	Supply of 20mm Diameter Anti-theft bolts complete with nuts and Washers				
6.3.1	65 mm long bolt	Pcs	2500	0.390	
6.3.2	75 mm long bolt	Pcs	2500	0.414	
	washer			0.017	

6.4.0	Supply of 24mm Diameter Anti-theft bolts complete with nuts and Washers				
6.4.1	65 mm long bolt	Pcs	2500	0.511	
6.4.2	70 mm long bolt	Pcs	2500	0.515	
6.4.3	80 mm long bolt	Pcs	2500	0.520	
	Washer			0.012	



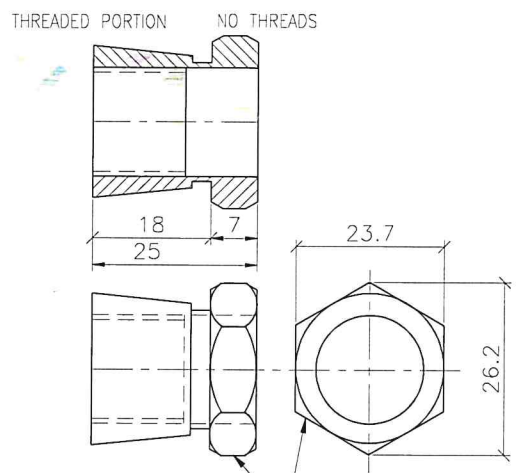
ANTI THEFT BOLT & NUT & FLAT WASHER

Scale-1:5
 ISO COARSE
 METRIC THREADS
 AS PER ISO:4016



DETAIL OF ANTI THEFT BOLT

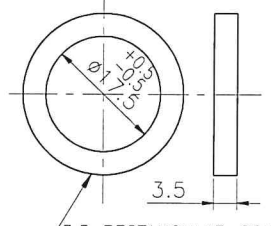
Scale-1:5



DIMENSION ARE AS
 PER ISO:398/4034

DETAIL OF ANTI THEFT NUT

Scale-1:5



DETAIL OF FLAT WASHER

Scale-1:5

NOTES :-

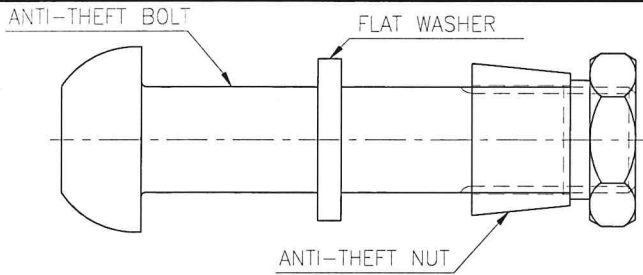
1. ALL DIMENSIONS ARE IN M.M.
2. MATERIAL:- CONFORMING TO ISO 898 PROPERTY CLASS FOR BOLT 5.6 & FOR NUT-5.
3. BOLT-NUT TO BE HOT DIP GALVANIZED AFTER MANUFACTURE AS PER ASTM A153 CLASS-C.
4. NUT TO BE TAPPED OVER SIZE FOR GALVANIZED BOLT.
5. FLAT WASHER TO BE SUPPLIED WITH EACH BOLT.
6. FLAT WASHER TO BE ELECTROPLATED.

AS BUILT

0	06.01.2017	AS BUILT
Revision.	Date.	Description.

PURCHASER.	KENYA ELECTRICITY TRANSMISSION COMPANY LIMITED (KETRACO)					
JSL W.O.NO.	J - 893	CONTRACT NO.	KETRACO/PT/002/2012 LOT-1			
PROJECT.	Design , Supply & Installation Procurement of 132kV D/C Transmission Lines: Lessos-Kabarnet, Nanyuki-Nyahururu, Olkaria-Narok & Sotik-Bomet					
CONSULTANT						
TITLE.	DETAILS OF 16 DIA ANTI-THEFT BOLT & NUT					

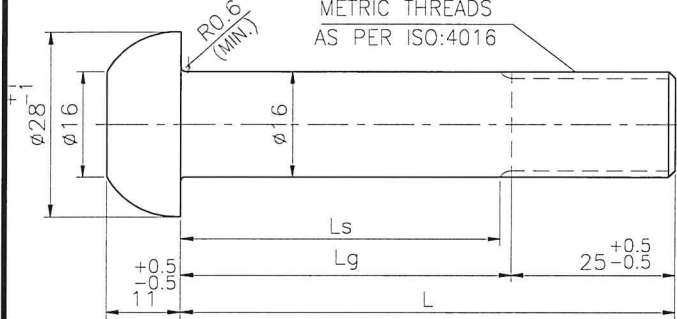
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ANTI THEFT BOLT & NUT & FLAT WASHER

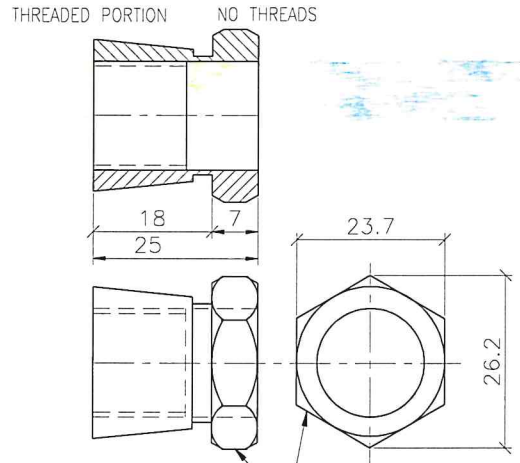
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ISO COARSE
METRIC THREADS
AS PER ISO:4016



DETAIL OF ANTI THEFT BOLT

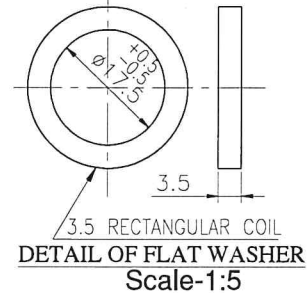
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DIMENSION ARE AS
PER ISO:398/4034

DETAIL OF ANTI THEFT NUT

Scale-1:5



DETAIL OF FLAT WASHER

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