



KENYA ELECTRICITY GENERATING COMPANY LIMITED

TENDER FOR SUPPLY OF ASSORTED BEARING FOR KENGEN POWER STATIONS:
KGN-PROC-05-2017

KenGen wishes to make the following clarification as raised by potential bidders on the above tender.

No	Issue of clarification	KenGen Response
1	Material - carbon steel, chrome steel or stainless steel?	The most common material used for bearing manufacture is Chrome steel SAE 52100. Stainless Steel types have high carbon due to low hardness and as such the load carrying capacity is 20% lower than the SAE 52100. Bearings made from carbon steel are typically called "semi-precision" or "commercial grade". They cannot carrying high loads or operate at high speeds and do not have corrosion resistance.
2	Material - carbon steel, chrome steel or stainless steel?	Bearing tolerance are specified by Annular Bearing Engineering Committee (ABEC). These are followed by some five class numbers from the largest to the smallest tolerance: 1, 3, 5, 7 and 9. The higher the ABEC class provides better precision, efficiency and greater speed capabilities. That means ABEC 1, or simply referred to as C1 is less superior to C3. You can see almost all our bearing requirements have a letter C3.
3	Precision grade (tolerance) - ABEC-1 or higher? Vibration and voice – Z1V1 or high	Vibrations and Noise levels should be low. The Z1V1, Z2V2 and Z3V3 is commonly used by the Chinese for Needle roller/Track roller Cam follower bearings

ACKNOWLEDGEMENT OF CLARRIFICATION NO.1

We/I, the undersigned hereby certify that the addendum is an integral part of the document and the alterations set out in the Addendum have been incorporated in the tender proposal.

Signed.....

Tenderer.....