



NEC3 Engineering and Construction Contract

QUESTIONS & ANSWERS (2) KZN171

The design, manufacture, supply, construction, installation and commissioning of 2x 3mvar, 22kv Shunt Capacitors and C-Type Filters at Makhathini Substation in the Empangeni Area of the KZN Operating Unit, for a period of twenty-four (24) months.

ENQUIRY NUMBER : KZN171

**TENDER CLOSING
DATE : Friday,
07 March 2025
AT 10H00**

QUESTIONS & ANSWERS (2) - KZN171

QUESTIONS		ANSWERS
1	Contractual documentation: - NDA Form - Section 37(2) Agreement	NDA Form and Section 37(2) Agreement published on the Tender Bulletin
2	Technical clarifications: - Confirm if these are filter banks (3rd filter?) - Harmonic spectrum currents of the air-core reactors (50Hz current is not sufficient to design) - Irss current of air-core reactors - Damping resistor current or kW rating (resistance alone is not sufficient to design) - Drawings show bunded area around each complete PFC bank (i.e. all equipment enclosed / erected in bunded area) – during site clarification it was stated that only the capacitors will be erected in a bunded area - Eskom SAP numbers of the equipment to be supplied (i.e. isolators & CB's)	REFER TO PDF DOCUMENT PUBLISHED ON THE TENDER BULLETIN  KZN_Harmonics & EMT Study_Normandi " Should any of the parameters that the tenderer requires not be included, then these values will have to be obtained by more detailed studies to be carried out by the successful tenderer as part of the bill of activities. Certain assumptions based on their experience and previous projects will have to be made by the tenderer for the purposes of submitting a tender price. These assumptions must be documented on the tender submission".