

 Eskom	Tender Questions and Answers	Document Identifier	240-7124948	Rev	1
		Effective Date	01 April 2023		
		Review Date	April 2026		

To whom it may concern	Date	06 August 2024
	Enquiries	Julitha Boloko
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Dear Sir/Madam

Request for Enquiry Number	MWP2542TX
Description / Project Title	The design, manufacture, supply, delivery, installation, commissioning & testing of 1 x 88 kV, 48 MVAR, 7th harmonic tuned filter, 1 x 88 kV, 48 MVAR, 5th harmonic filter and 1 x 275 kV, 150 MVAR shunt capacitor banks at Ararat substation.
Tender Questions Closing Date	22 August 2024

Item	Question	Answer	Clarity Published Dates
1.	You have already clarified on that no damping resistor is required for the 88kV. The evaluation criteria here have points allocated on the damping resistor, we are also asking for the correct individual specification for 275kV to clarify the damping resistor.	Refer to updated 275 kV Ararat Shunt Capacitor AB schedules Rev 2.0 – Section 9	06 August 2024

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Another important clarification needed, based on the clarification received, no resistor required for 88KV banks as they are all single tuned.

Item	Question
1.	Just to confirm what we discussed on site, a. These 2 sets of 88kv filter banks, is it 1 set of 5th harmonic + 1 set of 7th harm Or each set need to filter 5th harmonic and 7th harmonic separately. b. ? At present, we read from the provided spec it is a single order tuned harmor part of spec is mentioning C type filter.
2.	These 2 sets of 88kV filter bank, are they fitted damping resistor respectively? At present, from 2, item 9 of specification, resistor is not required, we suppose the design is a single-tuned filter should be no so-called C type 1 and C type 2. This is same doubts as we had it above item 1.

But in the tender evaluation scorecard, resistor is included. This is contradictory. Please help to clarify.

Damping Resistors		
a)	Overload capability demonstrated	5 [2]
b)	Design safety margin	5 [1]
c)	Instruction / maintenance manuals	5 [1]
d)	Spares	5 [2]
e)	Losses	5 [2]
f)	All tests offered (at correct test levels)	8.4 [5]
g)	Reference list with comparable references, including contact details	1 [5]

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2.	Just to add on this, the technical evaluation being for both 88kV and 275kV how will the points be allocated on the Damping Resistor. I managed to go on the website and downloaded the 275kV separate specifications added. Please have a look at the transmission voltage on 1.5.1 and 1.5.2, is exactly the same as 88kV. <table><tr><td>1.5</td><td colspan="4">Transmission System Details</td></tr><tr><td>1.5.1</td><td>Nominal voltage (UN)</td><td>kV</td><td>88</td><td></td></tr><tr><td>1.5.2</td><td>Maximum continuous voltage (UM)</td><td>kV</td><td>96,8</td><td></td></tr></table>	1.5	Transmission System Details				1.5.1	Nominal voltage (UN)	kV	88		1.5.2	Maximum continuous voltage (UM)	kV	96,8		Refer to 275 kV Ararat Shunt Capacitor AB schedules Rev 2.0. There are no Damping resistors required for the 88 kV Filter Capacitor Installations as they are LC and type filers. Damping resistors are required for the 275 kV Shunt Capacitor installation and hence the evaluation criteria will only be applicable to the 275 kV installation.	
1.5	Transmission System Details																	
1.5.1	Nominal voltage (UN)	kV	88															
1.5.2	Maximum continuous voltage (UM)	kV	96,8															

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