

Our Ref: KETRACO/PT/003/2021
23rd February, 2021
Notice to all Bidders
RE: TENDER ADDENDUM AND CLARIFICATION 1
**RE: SUBSTATION BATTERIES AND CHARGERS TENDER NUMBER
KETRACO/PT/003/2021**

The following amendments are made to the specified provisions of **Tender for Substation Batteries and Chargers - KETRACO/PT/003/2021**. 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.

SUBSTATION BATTERIES AND CHARGERS			
	KETRACO Requirement Document (Page No.)	Clarification as requested by bidders	KETRACO Response
1	110V Battery and charger specifications. Sections 8.1 and 8.2.1	Section 8.1 states that “The 110V DC Float cum Boost charging equipment shall be of multi-modular type, comprising of six adequately rated charger modules . The charger modules shall be connected in parallel, in such a manner as to share the load equally.” Section 8.2.1. states that “The ‘trickle’ and ‘boost’ charger shall be complete with silicon-controlled rectifier units. ” Silicon Controlled Chargers are not of modular design. Section 8.1 points to SMPS based chargers while section 8.2.1 points to a Silicon Controlled Rectifier Charger. The above statements are therefore contradicting.	Section 8.1 requirement on multi-modular (<i>High Frequency</i>) type of chargers shall prevail. The requirement of silicon-controlled rectifier units shall therefore not be applicable.
2	110V Battery and charger specifications. Sections 8.1 and 8.2.1	We have noted under clause 8.2.1 and I quote... The ‘trickle’ and ‘boost’ charger shall be complete with silicon-controlled rectifier units, dry type, air-cooled double wound isolating transformers,	See No. 1 above

		control electronics and smoothing filters suitable for operation from 415V, 50 Hz, 3-ph, 4-wire A.C. supply. We require clarification if we can use High-frequency rectifier units instead of silicon-controlled rectifier units for our chargers.	
3		Kindly clarify the following: 1. Which type of Charger is required? The specs sheet says " The battery charger shall have a full-wave, Half-controlled, Thyristor-controlled bridge rectifier circuit." Do you require a Switch-mode Battery charger? or Do you require a Thyristor-based Battery charger?	See No. 1 above
2		Clarify on the tender validity period	Refer to Section II-Instructions to Tenderers Clause 2.15.1
3		Clarify on the eligible countries of origin	All Tenderers are Eligible

All other terms and conditions of the tender document remains the same.

PETER NJEHIA
SENIOR MANAGER, SUPPLY CHAIN