

Dear Sir,

Please provide quotations (hard copy) for **item** mentioned below in a **sealed envelope** and sent by speed post only to reach **Head, Electrical Engineering, Department, Maulana Azad National Institute of Technology (MANIT) Bhopal, Near Mata Mandir, Bhopal-462003, (M.P.)** on or before **02/12/2020** by post.

Please mention following statement on top of the envelope (**kind attention Dr Ujjwal Kalla,...Tender document for VSC common DC link**)

The required item detail are as follows (also attached with this email).

S. No.	Item	Quantity	Unit Price	Total Cost
1	Voltage source converter with separate DC link with power supply and interfacing inductor Specifications:- <ul style="list-style-type: none">• Max. Input DC Voltage : 800Vwith separate DC Bus Voltage for each of four Legs of IGBTs• Max. Output AC Voltage : 415 V• Max. Output AC Current : 35A or higher• Max. KVA rating : 25kVA at max. AC voltage and current ratings• Max. Switching Frequency : 20 kHz or more• Type of cooling (Forced Air cooled / Water cooled / Natural cooled) :Forced Air cooled• Duty-class / Overload: 100% Continuous, 150% for 1 minute or higher.• Single stack / Parallel stack : Single stack.• The regulated DC Power Supply should be inbuilt in the system for Gate Drivers.• The DC bus voltage measurement system should be inbuilt in the VSC.• A separate external Multi tap inductor of following specifications should also be given externally: 0-25 mH (with tapings at 2-4-8-12-16-20-25 mH) taping terminals should be mounted at top of the inductor on a Bakelite sheet , saturation current rating 25A, Rated current	1		

	rating 25A, CRGO laminations Core, Properly wounded with Copper wire, Properly insulated winding layers using proper insulating material.			
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Read all specifications carefully. Any modification in specification will not be allowed.

Dr. Ujjwal Kumar Kalla