

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 common DC link with power supply and interfacing inductor Specifications:- Max. Input DC Voltage : 800Vwith Common DC Bus Voltage for all four Legs of IGBTs Max. Output AC Voltage : 415 V Max. Output AC Current : 35A 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 Gate Drivers of Semikron make skyper 32A or equivalent 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-	1		

	16-20-25 mH) tapping terminals should be mounted at top of the inductor on a Bakelite sheet , saturation current rating 25A, Rated current rating 25A, CRGO laminations Core, Properly wounded with Copper wire, Properly insulated winding layers using proper insulating material.			
--	--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	--	--	--

Read all specifications carefully. Any modification in specification will not be allowed.

Dr. Ujjwal Kumar Kalla