

**EPC PACKAGE FOR IMPLEMENTATION OF AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY AT NGEL AND NTPC SPV PLANT(S)**

**SALIENT TECHNICAL FEATURES**

“Salient Technical Features of the systems /equipment/ services are mentioned below. These Salient Technical Features are mentioned only to facilitate the prospective bidders to prima-facie understand the requirements under the tender and shall not in any way limit or alter the scope of work and technical features/specification of equipment/ systems/ services covered in the Bidding Documents. Detailed provisions in regard of scope of work and technical features/specification of equipment/ systems/ services, contained in the Bidding Document shall be final and binding.”

Salient technical features of the proposed project are as follows:

Name of the Package	<b>EPC PACKAGE FOR IMPLEMENTATION OF AUTO SWITCHED CAPACITOR BANKS WITH BACK-TO-BACK CAPACITOR BANK SWITCHING FACILITY AT NGEL AND NTPC SPV PLANT(S)</b>		
Type of Project	<b>Sl. No.</b>	<b>Type of the Project</b>	<b>Capacity</b>
	<b>1</b>	EPC Package for Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, Installation and Commissioning of auto switched capacitor banks with back-to-back capacitor bank switching facility at NGEL Nokhra (300 MW) SPV Project.	165 MVAR
	<b>2</b>	EPC Package for Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, Installation and Commissioning of auto switched capacitor banks with back-to-back capacitor bank switching facility at NGEL Ettayapuram (230 MW) SPV Project.	30 MVAR
	<b>3</b>	EPC Package for Design, Engineering, Manufacturing, Supply, Packing and Forwarding, Transportation, Unloading, Storage, Installation and Commissioning of auto switched capacitor banks with back-to-back capacitor bank switching facility at NTPC Gandhar (20 MW) SPV Project.	09 MVAR
Award of Capacity to single bidder	Minimum: Total capacity of any One Project (09 MVAR-GANDHAR SPV or 30 MVAR-ETTAYAPURAM SPV or 165 MVAR- NOKHRA SPV). Maximum: All Three projects cumulative capacity (204 MVAR).		
Location	1) 165 MVAR at NGEL NOKHRA SPV PLANT, Distt: Bikaner (Rajasthan). 2) 30 MVAR at NGEL ETTAYAPURAM SPV PLANT, Distt: Tuticorin (Tamilnadu). 3) 09 MVAR at NTPC GANDHAR SPV PLANT, Distt: Bharuch (Gujarat)		

- Type of Capacitor banks: Auto switched capacitor bank(s) with Back-to-back capacitor bank switching facility at 33KV Voltage level.
- All works required for successful implementation of auto switched capacitor bank(s) with Back-to-back capacitor bank(s) switching facility at 33KV Voltage level in Solar PV Project including comprehensive annual maintenance for 3 years as per the mentioned scope of work in tender documents.
- Soft Logic modification work(s) in existing SCADA and PPC system of SPV Plant(s) is only excluded from the scope of the bidder.