

Annex 1

Test Report & Compliance certificate for Major components as listed below

The copies of the report shall be part of the Type Test Report as annexure. This will further be verified by ADDC at the time of evaluation.

Note 1

Description	Type of reports	Remarks
Capacitor units	Type test certificate as per IEC. It can be either done internally or certified by a third party. In case internal test report, the manufacturer shall attach a declaration for compliance to IEC standard and ADDC specification.	Factory test shall include all the parameters specified by IEC/ADDC including the safety disconnect operation (where applicable)
Pf Controller unit	<ul style="list-style-type: none"> - Compliance certificate from the manufacturer on ADDC Specification - Factory test report on representative units (Group A to D specified by ADDC). 	If the manufacturer use same type of controller for Group A to D, only one unit’s test reports need to be included in the review.
Detuning reactor	<ul style="list-style-type: none"> - Compliance certificate from manufacturer on ADDC Specification - Factory test report on representative units(Group B (if applicable) to D) 	Factory test shall include all the parameters specified by ADDC.
MCCBs/Isolators	Type test report from the manufacturer as per relevant IEC. ^{Note 2}	
Contactors	Type test report from the manufacturer as per relevant IEC.	
Overload Protection relays	Factory Test reports	For each range of relays

Note 1: The Manufacturer/Assembler shall submit a separate copy to ADDC as part of the prequalification submittal along with the clause wise compliance to ADDC Specification for the above components. Any deviation shall be highlighted and approved.

Note 2: In case of incomer MCCB, the SC rating shall comply with ADDC requirement at 440V (type tested rating). In case of the isolator, manufacturer shall clearly mention the SC withstand rating.

Annexure 2 – Summary of Type tests & conformity to ADDC Spec. and approved rating (Form part of the prequalification Certificate)

Following are the summary of the type tested design of the capacitor panel and it shall be followed for all the approved rating under the same class.

Group <small>Note 3</small>	Type tested Busbar Size & Rating	Type tested Rating at 440V & Its Equivalent Rating at 400V <small>(calculated)</small>	Max. Step kVAR (at 440V)	Type tested Short circuit withstand (KA) for 1 sec	Covered Range (at 440V)	Covered Rating (at 400V) <small>(Calculated)</small>	Detuning Reactor (Yes/No) 5.67%	Panel Dimension (of the type tested representative Panel)
A				25	5kVAR - 75kVAR			
B				35	100kVAR - 175kVAR			
C				50	200kVAR - 375kVAR			
D				50	400kVAR and 450kVAR			

Note 3 :Additional rows shall be added if the manufacturer has introduced another group for economic design

(ADDC LV Switchgear Committee Stamp)

Annexure 3 – Component Details as per type tested design (Form part of the prequalification Certificate)

Capacitor Bank - Components Details	
	Manufacturer / Type Reference / Rating
Incoming Isolator/MCCB	
Controller	
Fuses	
Overload relay <small>Note 4</small>	
Reactor (if applicable)	
Capacitor Units	
Contactors	
MCCB	
Fans (if applicable)	
Temperature & Humidity Sensors	

Note 4 : Proposed as per RSB Requirement & may not be included in the type tested design