



CPRI

SHORT CIRCUIT LABORATORY
CENTRAL POWER RESEARCH INSTITUTE
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Provisional report

Report Number	SC10263B	Dated: 17 th June, 2010
Customer & Manufacturer	M/s. Krishnaa Energy Private Limited, DP: 69, SIDCO Industrial Estate, Thirumudivakkam, Chennai - 44, Tamil Nadu.	
Test sample	11 kV 1250 A Air-Break Isolator	
Type	Double break	
Designation	---	
Serial number	---	
Sample number	SC10S0791	
Rated voltage	11 kV	
Rated current	1250 A	
Rated frequency	50 Hz	
Number of phases	Three	
Number of breaks/pole	Two	
Inter-phase distance	915 mm	
Rated short-time withstand & peak withstand current	25 kA rms for 3.0 s & 62.5 kA peak	
Drawing numbers	KEISO-11-001, KEISO-11-002, KEISO-11-029 & KEISO-11-033	
Test conducted	Short-Time Withstand Current and Peak Withstand Current	
Tested as per	Sub-clause 3.3 of IS:9921(Part 4) – 1985 (Reaffirmed 2002)	
Rating for which tested	24.64* kA rms for 3.098 s & 66.75 kA peak (*Equivalent to 25.04 kA rms for 3.0 s)	
Test date	21 st April, 2010	
Observations	During test: No abnormality After test : Air break Isolator operable on no-load	
Routine test after the short-time current test		
Temperature rise & milli-volt drop test	Refer Report No : DCCD-11469 dated : 21.05.2010	
Physical Inspection		
Condition of contacts	No visible damage	
Condition of insulators	No visible damage	
Witnesses		
Customer's representative	Mr. P. Ramachandran, R & D Manager	
This report contains	Sheet 1 of 1	

NOTE: THIS IS ONLY A PROVISIONAL REPORT. Detailed report will be issued subject to verification of the final drawings


Test Engineer