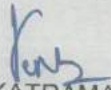




CENTRAL POWER RESEARCH INSTITUTE
(Member of STL)



CPRI

TEST REPORT

Test Report Number	CPRIBLRSC18T0805	Dated: 11 th January, 2019
Name & Address of the Customer	M/s. Shri Vaari Electricals P Ltd., C-37, Thiru-Vi-Ka Industrial Estate, Guindy, Chennai – 600 032, Tamil Nadu, India.	
Name & Address of the Manufacturer	M/s. Shri Vaari Electricals P Ltd., C-37, Thiru-Vi-Ka Industrial Estate, Guindy, Chennai – 600 032, Tamil Nadu, India.	
Particulars of sample tested	Low-voltage switchgear and controlgear assembly – LT Panel	
Condition of the sample on Receipt	Good	
Type	Indoor	
Description of test sample	3200A 660V LT Panel with ACB	
Serial Number (s)	SVE/LT/002	
Number of samples tested	One	
Date (s) of test (s)	27 th December, 2018	
CPRI sample code no(s).	SCL18S0558	
Particulars of tests conducted	Verification of the short-circuit withstand strength	
Test in accordance with Standard / specification	Sub-clause 10.11.5.3.3 & 10.11.5.3.5 of IEC 61439-1: 2011 & IEC 61439-2: 2011	
Sampling plan	Not applicable	
Customer's requirement	50 kA rms for 1.0 s & 105 kA peak on phase bus-bars & 30 kA rms for 1.0 s & 63 kA peak on neutral bus-bar	
Deviations if any	Nil	
Name of the witnessing persons		
Customer's representative	Mr. B. Jagan Mohan, G. M. - Operation & Mr. F. Mohamed Yahoob, Design Engineer	
Other than customer's representatives	None	
Test subcontracted with	None	
Address of the laboratory	None	
Documents constituting this report (In words)		
Number of sheets	Five	
Number of oscillograms	Two	
Number of graphs	Nil	
Number of photos	Four	
Number of test circuit diagrams	Two	
Number of drawings	Seven	
 (G. VENKATRAMANAIAH) TEST ENGINEER		 (SWARAJ KUMAR DAS) HEAD OF DIVISION Approved by

ULR-TC5452180SCLT0805F

SHORT CIRCUIT LABORATORY
P.B.NO.8066, SADASHIVANAGAR POST OFFICE
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Phone: +91 (0) 80 - 22072353 Fax: +91 (0) 80 - 23601213

Sheet 1 of 5

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TEST REPORT

Test Report Number: CPRIBLRSC18T0805


Dated: 11th January, 2019

Description of sample tested (ratings as assigned by the manufacturer)

Test sample	Low-voltage switchgear and controlgear assembly – LT Panel
Type	Indoor
Serial number	SVE/LT/002
Rated voltage	660V
Rated insulation voltage	690V
Rated current	3200A
Rated frequency	50 Hz
Number of phases	Three & Neutral
ACB details	690 V, 4000 A, Four Pole, 50 Hz, Icw = 65 kA for 3.0 s Model : OMEGA, Serial No: Z646990U Make: M/s. L & T
Rated short-time withstand current & peak withstand current	50 kA rms for 1.0 s & 105 kA peak on phase bus-bars & 30 kA rms for 1.0 s & 63 kA peak on neutral bus-bar

Documents attached to this report

Oscillogram number(s)	SC180805.S01 & SC180805.S02
Photo number(s)	CPRIBLRSC18T0805.PB1, CPRIBLRSC18T0805.PA1, CPRIBLRSC18T0805.PA2 & CPRIBLRSC18T0805.PA3
Test circuit diagram number(s)	CRTL/SC/STC-04A & CRTL/SC/STC-02A
Drawing number(s)	SVEPL/STC/01 SH:NO: 01, SVEPL/STC/01 SH:NO: 02, SVEPL/STC/01 SH:NO: 03, SVEPL/STC/01 SH:NO: 04, SVEPL/STC/01 SH:NO: 05, SVEPL/STC/01 SH:NO: 06 & SVEPL/STC/01 SH:NO: 07


(G. VENKATRAMANAIAH)
TEST ENGINEER

ULR-TC5452180SCLT0805F

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