



Certificate No. : TC-5389

ELECTRICAL RESEARCH AND DEVELOPMENT ASSOCIATION

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**TEST REPORT**

ULR-TC538921100010878F

SHEET 1 OF 8

NAME & ADDRESS OF CUSTOMER SIA ENGINEERING PROJECTS INDIA PVT. LTD. PLOT NO.-1207, CHOSAR GAM, JETALPUR- CHOSAR ROAD, AHMEDABAD, GUJARAT. 382435.	REPORT No.: RP-2122-002258	
	DATE OF ISSUE: 26.04.2021	
	CUSTOMER REF.NO	DATED
	Letter	03.11.2020
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	03.11.2020	16.04.2021 to 21.04.2021
SAMPLE DESCRIPTION *PMCC PANEL Rated voltage (U_n) : 415 V Rated current (I_{nA}) : 4000 A Rated frequency (f_n) : 50 Hz No. of Phases : TPN+E Extendable/Non-Extendable : Extendable Rating of short-time withstand current and peak withstand current of vertical busbar and rated conditional short-circuit current of protective conductor with incoming ACB and other details as per sheet 3 OF 8. Quantity (Tested) : 01 No.	SAMPLE IDENTIFICATION ERDA SAMPLE CODE No. : ERDA-00388484 TYPE DESIGNATION : PMCC- 4000A SERIAL No.: SEPIPL/IEC61439/R0/28082019 Drawing No.: SEPIPL/IEC61439/R0/28082019 PAGE: - 1 OF 7 REV: R4, SEPIPL/IEC61439/R0/28082019 PAGE: - 2 OF 7 REV: R4, SEPIPL/IEC61439/R0/28082019 PAGE: - 3 OF 7 REV: R4, SEPIPL/IEC61439/R0/28082019 PAGE: - 4 OF 7 REV: R4, SEPIPL/IEC61439/R0/28082019 PAGE: - 5 OF 7 REV: R4, SEPIPL/IEC61439/R0/28082019 PAGE: - 6 OF 7 REV: R4, SEPIPL/IEC61439/R0/28082019 PAGE: - 7 OF 7 REV: R4.	
TEST DETAILS - Short circuit withstand Strength test of vertical busbar (Cl. No. 10.11.5.3.3, 10.11.5.3.5) - Short circuit withstand strength of the protective circuit with incoming ACB (Cl. No. 10.5.3.5 & 10.11.5.6)	TEST SPECIFICATIONS As per customer's requirement, test procedure followed as per IEC 61439-1:2011 & IEC 61439-2:2011	
ENCLOSURES: NUMBER OF OSCILLOGRAM : Six NUMBER OF PHOTOGRAPH : One NUMBER OF TEST CIRCUIT DIAGRAM : Three NUMBER OF DRAWINGS : Seven *NOTE: 1) Sample consist of main horizontal busbar, Neutral busbar, Earth busbar, Vertical busbar, 1 No. Incoming 4000A ACB, 1 No. outgoing 1250A ACB and 2 Nos. outgoing MCCBs (630A, 400A) and 8 nos, of vacant compartments. 2) Short-time withstand current and peak withstand current test was carried out on vertical busbar only as on request of customer. 3) Single phase conditional short-circuit current test carried out on protective circuit with incoming ACB on request of customer.		
REMARKS: The sample (Vertical busbars and protective circuit) conforms to the requirements of short circuit withstand strength as specified by customer.		
PREPARED BY	CHECKED BY	APPROVED BY (YASHINKHAN I. PATHAN)

TC 3133553

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5. Particulars of manufacturer/supplier, given in this report are based on information supplied by the customer, along with the test request/sample. ERDA does not assume any responsibility for the correctness of the information for above mentioned equipment under test. ERDA will not be responsible for any changes in EUT made after the test. This test report is given as per instrument status while testing.

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**TEST REPORT**

ULR-TC538920000013750F

SHEET 1 OF 9

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD - 382 435 (GUJARAT)	TEST REPORT NO.: RP-2021-005511 DATE: 11/07/2020	
	CUSTOMER REF. NO	DATED
	Letter	20/06/2020
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	20/06/2020	09/07/2020 to 11/07/2020
SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per SHEET 2 TO 5 OF 9.	SAMPLE IDENTIFICATION ERDA Sample Code No.: ERDA-00369286 Type designation: PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED	
TEST DETAILS 1.0 Lifting (Cl. No. 10.2.5)	TEST SPECIFICATIONS IEC 61439-1: 2011 & IEC 61439-2: 2011	
ENCLOSURE: i) Photograph No. : 2021-000994/A & B (Total 2 Nos.) ii) Oscillogram No.: Nil iii) Drawing No. : 1) SEPIPL/IEC 614339/R1/28082019 (PAGE: 1 OF 3) (REV: R1), 2) SEPIPL/IEC 614339/R1/28082019 (PAGE: 2 OF 3) (REV: R1), 3) SEPIPL/IEC 614339/R1/28082019 (PAGE: 3 OF 3) (REV: R1), 4) SEPIPL/IEC 614339/R1/28082019 (PAGE: 1 OF 1) (REV: R1) (Total 4 Sheets)		
TEST WITNESSED BY: Mr. Kiran Kumar (Engineer) of M/s. Sia Engineering Projects India Private Limited.		
REMARKS: Sample conforms to the requirement of the standard for the test carried out.		
 PREPARED BY	 CHECKED BY	 APPROVED BY (G.SOM)

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TEST REPORT

ULR-TC538920000013751F

SHEET 1 OF 21

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD - 382 435 (GUJARAT)	TEST REPORT NO.: RP-2021-005512 DATE: 11/07/2020	
	CUSTOMER REF. NO Letter	DATED 20/06/2020
	DATE OF SAMPLE RECEIPT 20/06/2020	DATE OF TESTING 22/06/2020 to 11/07/2020
	SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per SHEET 2 TO 5 OF 21.	
SAMPLE IDENTIFICATION ERDA Sample Code No.: ERDA-00369286 Type designation: PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED		
TEST DETAILS 1.0 Verification of temperature rise (Cl. No. 10.10) ENCLOSURE: i) Photograph No. : 2021-000994/A & B (Total 2 Nos.) ii) Oscillogram No. : Nil iii) Drawing No. : 1) SEPIPL/IEC614339/R1/28082019 (PAGE: 1 OF 3) (REV: R1), 2) SEPIPL/IEC614339/R1/28082019 (PAGE: 2 OF 3) (REV: R1), 3) SEPIPL/IEC614339/R1/28082019 (PAGE: 3 OF 3) (REV: R1), 4) SEPIPL/IEC614339/R1/28082019 (PAGE: 1 OF 1) (REV: R1) (Total 4 Sheets)	TEST SPECIFICATIONS IEC 61439-1: 2011 & IEC 61439-2: 2011	
TEST WITNESSED BY: Mr. Kiran Kumar (Engineer) of M/s. Sia Engineering Projects India Private Limited.		
NOTE: Temperature-rise limit for aluminium busbar joints and incoming ACB terminals were specified by the customer.		
REMARKS: Sample conforms to the requirement of the standard for the test carried out.		
PREPARED BY 	CHECKED BY 	APPROVED BY

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**TEST REPORT**

ULR-TC538920000023005F

SHEET 1 OF 8

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD – 382 435 (GUJARAT). MANUFACTURED BY: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED	TEST REPORT NO.: RP-2021-017585 DATE OF ISSUE: 28/10/2020	
	CUSTOMER REF. NO	DATED
	Letter	20/06/2020
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	20/06/2020	15/10/2020 to 28/10/2020
SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per SHEET 2 TO 5 OF 8.	SAMPLE IDENTIFICATION ERDA Sample Code No.: ERDA-00369286 Type designation: PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019	
TEST DETAILS 1.0 Verification of thermal stability of enclosure (Cl. No. 10.2.3.1) ENCLOSURE: i) Photograph No. : 2021-004865/A to C (Total 3 Nos.) ii) Oscillogram No.: Nil iii) Drawing No. : As per SHEET 2 OF 8.	TEST SPECIFICATIONS IEC 61439-1:2011 & IEC 61439-2:2011	
REMARKS: Sample conforms to the requirement of the standard for the test carried out.		
 PREPARED BY	 CHECKED BY	 (G.SOM) APPROVED BY

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**TEST REPORT**

ULR-TC538921000003551F

SHEET 01 OF 05

NAME AND ADDRESS OF CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED Plot No. 1207, Chosar Gam, Jetalpur-Chosar Road, Ahmedabad, Gujarat-382435. Manufactured by: M/s. SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED	TEST REPORT NO.: RP-2021-029561 DATE OF ISSUE: 09/02/2021	
	CUSTOMER REF. NO.	DATED
	Letter	27/01/2021
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	28/01/2021	28/01/2021 to 08/02/2021
SAMPLE DESCRIPTION PDB ENCLOSURE Rating: Rated Voltage: 415V Rated normal current: 630 Amp. Rated frequency: 50Hz Rated insulation voltage: 660V Containing: Busbars - 4 Nos. 1P MCB - 8 Nos.	SAMPLE IDENTIFICATION ERDA Sample Code No.: ERDA-00401463 Sr. No.: SEPIPL/IEC60529 Type Designation: PDB ENCLOSURE	
TEST DETAILS	TEST SPECIFICATION	
1.0 IP 65 tests	IEC 60529:2013	
Enclosures: i) Photograph No.: 2021-010795/00401463/A to C (Total 3 nos.) ii) Drg. No. : As per SHEET 02 OF 05.		
Test witnessed by: Mr. Jatin B. Solanki (Technician) from M/s. SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED		
Note: Petroleum Jelly used on gasket.		
Remarks: Sample conforms to the requirement of IP 65 tests as per the standard.		
 PREPARED BY	 CHECKED BY	 (G. SOM) APPROVED BY

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TEST REPORT

ULR-TC538920000004769F

SHEET 1 OF 7

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD - 382 435 (GUJARAT)	TEST REPORT NO. : RP-1920-042029 DATE : 13/02/2020	
	CUSTOMER REF. NO Letter	DATED 04/02/2020
	DATE OF SAMPLE RECEIPT 04/02/2020	DATE OF TESTING 05/02/2020
	SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per Sheet 2 to 5 of 7	
SAMPLE IDENTIFICATION ERDA Sample Code No. : ERDA-00357101 Type designation : PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED		
TEST DETAILS 1.0 Marking ENCLOSURE: i) Photograph No. : 1920-015631/A & B (Total 2 Nos.) ii) Oscillogram No. : Nil iii) Drawing No. : SEPIPL/IEC614339/R0/28082019 PAGE: 1 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 2 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 3 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 4 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 5 OF 5 REV: R0 SEPIPL/SLD/IEC614339/R0/28082019 PAGE: 1 OF 1 REV: R0 (Total 6 sheets)	TEST SPECIFICATIONS As per customer's requirement & Test procedure followed as per IEC 61439-1:2011 & IEC 61439-2:2011	
TEST WITNESSED BY: Mr. Vipul Patel (Production Head) of M/s. Sia Engineering Projects India Private Limited.		
NOTE: Only the test asked for by the customer has been carried out.		
TEST RESULT: As per attached sheet.		
 PREPARED BY	 CHECKED BY	 (G. SOM) APPROVED BY

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**TEST REPORT**

ULR-TC53892000004770F

SHEET 1 OF 8

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD - 382 435 (GUJARAT)	TEST REPORT NO. : RP-1920-042030	
	DATE : 13/02/2020	
	CUSTOMER REF. NO	DATED
	Letter	04/02/2020
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	04/02/2020	06/02/2020
SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per Sheet 2 to 5 OF 8	SAMPLE IDENTIFICATION ERDA Sample Code No. : ERDA-00357101 Type designation : PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED	
TEST DETAILS 1.0 Verification of clearances and creepage distances (Cl. No. 10.4)	TEST SPECIFICATIONS IEC 61439-1:2011 & IEC 61439-2:2011	
ENCLOSURE: i) Photograph No. : 1920-015631/C & D (Total 2 Nos.) ii) Oscillogram No. : Nil iii) Drawing No. : SEPIPL/IEC614339/R0/28082019 PAGE: 1 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 2 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 3 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 4 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 5 OF 5 REV: R0 SEPIPL/SLD/IEC614339/R0/28082019 PAGE: 1 OF 1 REV: R0 (Total 6 sheets)		
TEST WITNESSED BY: Mr. Vipul Patel (Production Head) of M/s. Sia Engineering Projects India Private Limited.		
REMARKS: Sample conforms to the requirement of the standard for the test carried out.		
 PREPARED BY	 CHECKED BY	 APPROVED BY

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**TEST REPORT**

ULR-TC538920000004771F

SHEET 1 OF 7

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD – 382 435 (GUJARAT)	TEST REPORT NO. : RP-1920-042031	
	DATE : 13/02/2020	
	CUSTOMER REF. NO	DATED
	Letter	04/02/2020
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	04/02/2020	06/02/2020
SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per Sheet 2 to 5 of 7	SAMPLE IDENTIFICATION ERDA Sample Code No. : ERDA-00357101 Type designation : PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED	
TEST DETAILS 1.0 Effective earth continuity between the exposed conductive parts of the assembly and the protective circuit ENCLOSURE: i) Photograph No. : 1920-015631/E & F (Total 2 Nos.) ii) Oscillogram No. : Nil iii) Drawing No. : SEPIPL/IEC614339/R0/28082019 PAGE: 1 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 2 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 3 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 4 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 5 OF 5 REV: R0 SEPIPL/SLD/IEC614339/R0/28082019 PAGE: 1 OF 1 REV: R0 (Total 6 sheets)	TEST SPECIFICATIONS As per customer's requirement & Test procedure followed as per IEC 61439-1:2011 & IEC 61439-2:2011	
TEST WITNESSED BY: Mr. Vipul Patel (Production Head) of M/s. Sia Engineering Projects India Private Limited.		
NOTE: Only the test asked for by the customer has been carried out.		
REMARKS: Sample conforms to the requirement of the customer for the test carried out.		
 PREPARED BY	 CHECKED BY	 (G. SOM) APPROVED BY

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TEST REPORT

ULR-TC538920000004772F

SHEET 1 OF 7

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD - 382 435 (GUJARAT)	TEST REPORT NO. : RP-1920-042032 DATE : 13/02/2020	
	CUSTOMER REF. NO Letter	DATED 04/02/2020
	DATE OF SAMPLE RECEIPT 04/02/2020	DATE OF TESTING 07/02/2020 to 08/02/2020
	SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per Sheet 2 to 5 of 7	
SAMPLE IDENTIFICATION ERDA Sample Code No. : ERDA-00357101 Type designation : PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED		
TEST DETAILS 1.0 Mechanical operation (Cl. No. 10.13)	TEST SPECIFICATIONS IEC 61439-1:2011 & IEC 61439-2:2011	
ENCLOSURE: i) Photograph No. : 1920-015631/G & H (Total 2 Nos.) ii) Oscillogram No. : Nil iii) Drawing No. : SEPIPL/IEC614339/R0/28082019 PAGE: 1 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 2 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 3 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 4 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 5 OF 5 REV: R0 SEPIPL/SLD/IEC614339/R0/28082019 PAGE: 1 OF 1 REV: R0 (Total 6 sheets)		
TEST WITNESSED BY: Mr. Vipul Patel (Production Head) of M/s. Sia Engineering Projects India Private Limited.		
REMARKS: Sample conforms to the requirement of the standard for the test carried out.		
 PREPARED BY	 CHECKED BY	 APPROVED BY

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**TEST REPORT**

ULR-TC538920000004885F

SHEET 1 OF 11

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD - 382 435 (GUJARAT)	TEST REPORT NO. : RP-1920-042167	
	DATE : 14/02/2020	
	CUSTOMER REF. NO	DATED
	Letter	04/02/2020
	DATE OF SAMPLE RECEIPT	DATE OF TESTING
	04/02/2020	05/02/2020 to 06/02/2020
SAMPLE DESCRIPTION INSULATING MATERIAL PARTS OF PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per Sheet 2 to 5 OF 11	SAMPLE IDENTIFICATION ERDA Sample Code No. : ERDA-00357101 Type designation : PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED	
TEST DETAILS 1.0 Verification of resistance of insulating Materials to abnormal heat and Fire due to internal electric effects ENCLOSURE: i) Photograph No. : 1920-015631/I to K (Total 3 Nos.) ii) Oscillogram No. : Nil iii) Drawing No. : SEPIPL/IEC614339/R0/28082019 PAGE: 1 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 2 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 3 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 4 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 5 OF 5 REV: R0 SEPIPL/SLD/IEC614339/R0/28082019 PAGE: 1 OF 1 REV: R0 (Total 6 sheets)	TEST SPECIFICATIONS As per customer's requirement & test procedure followed as per IEC 61439-1:2011 & IEC 61439-2:2011	
TEST WITNESSED BY: Mr. Vipul Patel (Production Head) of M/s. Sia Engineering Projects India Private Limited.		
NOTE: Only the test asked for by the customer has been carried out.		
REMARKS: Sample conforms to the requirement of the customer for the test carried out.		
 PREPARED BY	 CHECKED BY	 (G. SOM) APPROVED BY

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**TEST REPORT**

ULR-TC53892000006072F

SHEET 1 OF 5

NAME & ADDRESS OF THE CUSTOMER		TEST REPORT NO. : RP-1920-043695	
SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD - 382 435 (GUJARAT)		DATE : 22/02/2020	
		CUSTOMER REF. NO	DATED
		Letter	04/02/2020
		DATE OF SAMPLE RECEIPT	DATE OF TESTING
		04/02/2020	06/02/2020 to 14/02/2020
		SAMPLE DESCRIPTION	
REPRESENTATIVE SAMPLE OF PMCC PANEL (WITH LOOSE SAMPLES)		SAMPLE IDENTIFICATION	
Rated voltage : 415 V		ERDA Sample Code No. :	
Rated current (Incoming) : 4000 A		ERDA-00357101 (Main Panel)	
Rated frequency : 50 Hz		ERDA-00357102 (Representative sample)	
No. of Phases : Three Phase, Neutral & Earth		Type designation : PMCC-4000A	
Quantity (tested) : 1 No.		Serial No.: SEPIPL/IEC61439/R0/28082019	
		Manufacturer's name:	
		SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED	
TEST DETAILS		TEST SPECIFICATIONS	
1.0 Resistance to corrosion (Severity test A) (Cl. No. 10.2.2.2)		IEC 61439-1: 2011 & IEC 61439-2: 2011	
ENCLOSURE: i) Photograph No. : 1920-015631/L to N (Total 3 Nos.)			
ii) Oscillogram No. : Nil			
iii) Drawing No. : SEPIPL/IEC614339/R0/28082019 PAGE: 1 OF 5 REV: R0			
SEPIPL/IEC614339/R0/28082019 PAGE: 2 OF 5 REV: R0			
SEPIPL/IEC614339/R0/28082019 PAGE: 3 OF 5 REV: R0			
SEPIPL/IEC614339/R0/28082019 PAGE: 4 OF 5 REV: R0			
SEPIPL/IEC614339/R0/28082019 PAGE: 5 OF 5 REV: R0			
SEPIPL/SLD/IEC614339/R0/28082019 PAGE: 1 OF 1 REV: R0 (Total 6 sheets)			
REMARKS: Sample conforms to the requirement of the standard for the test carried out.			
PREPARED BY		CHECKED BY	
		(G. SOM) APPROVED BY	

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TEST REPORT

ULR-TC538920000006120F

SHEET 1 OF 10

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD – 382 435 (GUJARAT)	TEST REPORT NO. : RP-1920-043768 DATE : 22/02/2020	
	CUSTOMER REF. NO Letter	DATED 04/02/2020
	DATE OF SAMPLE RECEIPT 04/02/2020	DATE OF TESTING 11/02/2020 to 15/02/2020
	SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Rated insulation voltage : - 1000V for incoming & outgoing ACB feeder and Horizontal & vertical busbar - 800V for MCCB feeder Contains : Incoming ACB-4000A, Outgoing ACB-1250A, Outgoing MCCB-630A, Outgoing MCCB-400A, Outgoing MCCB-250A, Outgoing MCCB-160A, Outgoing MCCB-100A & Busbars Further details as per SHEET 2 to 5 OF 10	
SAMPLE IDENTIFICATION ERDA Sample Code No. : ERDA-00357101 Type designation : PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED		
TEST DETAILS 1.0 Test to verify protection against mechanical impacts (IK 10)	TEST SPECIFICATIONS Cl. No. 10.2.6 of IEC 61439-1:2011 & IEC 61439-2:2011 & IEC 62262 : 2002	
ENCLOSURE: i) Photograph No. : 1920-015631/00357101/A to E (Total 5 Nos.) ii) Drawing No. : SEPIPL/IEC614339/R0/28082019 PAGE: 1 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 2 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 3 OF 5 REV: R0 (Total 3 sheets)		
TEST WITNESSED BY: Mr. Bhavin Panchal (Engineer) of M/s. Sia Engineering Projects India Private Limited.		
REMARKS: Sample conforms to the requirement of the standard for the test carried out.		
 PREPARED BY	 CHECKED BY	 (G. SOM) APPROVED BY

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TEST REPORT

ULR-TC53892000007054F

SHEET 1 OF 25

NAME & ADDRESS OF THE CUSTOMER SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED SURVEY NO.: 1207, CHOSAR-JETALPUR ROAD, VILLAGE: CHOSAR, TAL.: DASCROI, DIST.: AHMEDABAD - 382 435 (GUJARAT)	TEST REPORT NO. : RP-1920-044977 DATE : 29/02/2020	
	CUSTOMER REF. NO Letter	DATED 04/02/2020
	DATE OF SAMPLE RECEIPT 04/02/2020	DATE OF TESTING 10/02/2020 to 28/02/2020
	SAMPLE DESCRIPTION PMCC PANEL Rated voltage : 415 V Rated current (Incoming) : 4000 A Rated frequency : 50 Hz No. of Phases : Three Phase, Neutral & Earth Quantity (tested) : 1 No. Further details as per sheet 2 to 5 of 25	
SAMPLE IDENTIFICATION ERDA Sample Code No. : ERDA-00357101 Type designation : PMCC-4000A Serial No.: SEPIPL/IEC61439/R0/28082019 Manufacturer's name: SIA ENGINEERING PROJECTS INDIA PRIVATE LIMITED		
TEST DETAILS 1.0 Dielectric properties (Cl. No.10.9)		TEST SPECIFICATIONS IEC 61439-1: 2011 & IEC 61439-2: 2011
ENCLOSURE: i) Photograph No. : 1920-015631/O & P (Total 2 Nos.) ii) Oscillogram No.: ERDA-00357101/01 & 10, ERDA-00357101/11 & 20, ERDA-00357101/21 & 30, ERDA-00357101/31 & 40, ERDA-00357101/41 & 50, ERDA-00357101/51 & 60, ERDA-00357101/61 & 70, ERDA-00357101/71 & 80, ERDA-00357101/81 & 90, ERDA-00357101/91 & 100, ERDA-00357101/101 & 110, ERDA-00357101/111 & 120, ERDA-00357101/121 & 130, ERDA-00357101/131 & 140 (Total 28 Nos.) iii) Drawing No. : SEPIPL/IEC614339/R0/28082019 PAGE: 1 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 2 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 3 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 4 OF 5 REV: R0 SEPIPL/IEC614339/R0/28082019 PAGE: 5 OF 5 REV: R0 SEPIPL/SLD/IEC614339/R0/28082019 PAGE: 1 OF 1 REV: R0 (Total 6 sheets)		
REMARKS: Sample conforms to the requirement of the standard for the test carried out.		
 PREPARED BY	 CHECKED BY	 (G. SOM) APPROVED BY

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