



Certificate of Inspection (COI)

Reference No.: IN 38682 VOC		Verification of Conformity (VOC)	
Importer: PARS KHAZEN GHARB CO. 2 ND FLOOR, NO.431, UNDER BAHAR SHIRAZ STREET, SHARIATI STREET, TEHRAN, IRAN, TEL: +98 21 77652229-31 CELL PHONE: +98 912 1213957		Proforma Invoice Invoice No.: Prof/E/03 Invoice Date: 07.05.2018	
Exporter: SHREEM ELECTRIC LTD. GAT NO.588 TO 590, JAMBHALI ROAD, JAMBHALI TAL.SHIROL DIST:KOLHAPUR MAHARASHTRA STATE(INDIA)		Country of Origin: INDIA	
LC No.: N/A		Manufacturer/Producer: SHREEM ELECTRIC LTD. GAT NO.588 TO 590, JAMBHALI ROAD, JAMBHALI TAL.SHIROL DIST:KOLHAPUR MAHARASHTRA STATE(INDIA) Brand: SHREEM	
Place of Inspection: SHREEM ELECTRIC LTD., JAMBHALI ,KOLHAPUR, MAHARASHTRA, INDIA		Date of Inspection and sampling: 22.05.2018 – 23.05.2018 Test Date: 23.05.2018- 01.06.2018 Loading Inspection date: 01.06.2018	
Port of Entry: BANDAR ABBAS, IRAN			

Item No.	Quantity NOS	Type of Packing/ISO Unit Code	Description of goods subject to inspection	Declared Iranian customs tariff No. / HS Code	Standards/Normative Document		
					No.	Title	Edition/Date of Issue
1	57	Plywood cases	CAPACITOR UNITS, MV 200 KVAR, 11.50 KV, 1 PHASE, 50HZ, 2 Bushing, External Fuse, BIL 125 KV BIL	85321000	60871-1	IEC	2014
2	5		MV 108 KVAR, 3.81 KV, 1 PHASE, 50HZ, 2 Bushing, External Fuse, BIL 95 KV BIL				

Original/Authenticated copy of Test Report / (Effective Date and Term) and its Annexes are attached

B/L No. & Date: MERN SABND-0595/18(Trnz5010010386821-01)
Quantity Shipped: 13 PALLET G.W : 2812 KGS

DATE: 05.06.2018

Remarks:

Place and date of inspection at SHREEM ELECTRIC LTD., located in JAMBHALI ,KOLHAPUR, MAHARASHTRA, INDIA ON 23.05.2018- 01.06.2018 and the sample test witnessed by SAI Inspector in an accredited laboratory of the manufacturer concluded that the goods are in conformity with international standard No. IEC 60871-1 Furthermore, we confirm that the test report is acceptable and the manufacturer's laboratory found to be as qualified.

THIS CERTIFICATE DOES NOT VERIFY THE PRICE OF SUBJECT CONSIGNMENT.

Conclusion:

We here by certify that the inspection of the above goods shipped to Iran as mentioned in the relevant proforma invoice (P/I) (and any amendments here to) has been performed according to the standard(s)/normative document(s) acceptable to ISIRI.

NAME AND POSITION:PREMNATH B MEDURY
DIRECTOR, INDIA OFFICE
INSPECTOR NAME: PREMNATH B MEDURY
Place and Date of Issue: INDIA, 14.07.2018
SHARDIN AFARIN INTERNATIONAL INSPECTION CO.(S.A.I)

Handwritten signature and circular stamp of S.A.I. INSPECTION

Shreem

DECLARATION OF CONFORMITY (MD / SD)

PROFORMA INVOICE NO : Prof/E/03 DT: 07.05.2018

CUSTOMER ADDRESS : PARS KHAZEN GHARB CO.
2ND FLOOR, NO.431, UNDER BAHAR SHIRAZ STREET,
SHARIATI STREET, TEHRAN, IRAN,
TEL: +98 21 77652229-31
CELL PHONE: +98 912 1213957

SUPPLIER ADDRESS : SHREEM ELECTRIC LTD.
GAT NO.588 TO 590,
JAMBHALI ROAD, JAMBHALI
TAL.SHIROL DIST:KOLHAPUR
MAHARASHTRA STATE(INDIA)

PRODUCT : CAPACITOR UNITS

THE PRODUCT DESCRIBED ABOVE IS IN CONFORMITY WITH

DOCUMENT NO	TITLE	EDITION (DATE OF ISSUE)
IEC-60871-1	Shunt Capacitor for a.c. power system having a rated voltage above 1000 V- PART-1 : General.	2014

ACCEPTED ISIRI STANDARD NOS: N.A

ADDITIONAL INFORMATION:


ITEM NO	DESCRIPTION	QTY RELEASED	QTY ORDERED
1.	CAPACITOR UNITS, 200 KVAR, 11.50 KV, 1 PHASE, 50HZ, 2 Bushing, External Fuse, BIL 125 KV BIL	57 NOS	57 NOS
2.	108 KVAR, 3.81 KV, 1 PHASE, 50HZ, 2 Bushing, External Fuse, BIL 95 KV BIL	05 NOS	05 NOS

THIS IS TO DECLARE THAT MATERIAL IS MANUFACTURED AND TESTED AS PER THE ABOVE MENTIONED STANDARDS.

TOTAL QUANTITY (RELEASED) : 62 NOS

PLACE AND DATE OF ISSUE: JAYSINGPUR, India

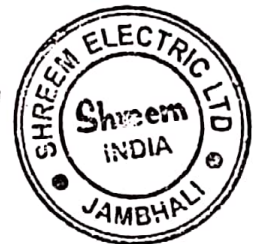
DATE: 01.06.2018


(NAME AND POSITION)
Gejaram Padil
Testing Engineer.

(SIGNATURE)



SEAL



Shreem Electric Ltd.
Industrial Estate,
Jaysingpur - 416 144,
Dist. : Kolhapur, Maharashtra, (INDIA)

Tel : +91-2322-221021/22/24/45
Fax : +91-2322-221023
e-mail : info@shreemelectric.com
Web : www.shreemelectric.com

REPORT NO: IN 38682 VOC

STANDARD NO: IEC 60871-1

P/I NO.: Prof A/E/03 DATE: 07.05.2018.

BUYER: PARS KHAZEN GHARB COMPANY

SELLER: SHREEM ELECTRIC LIMITED

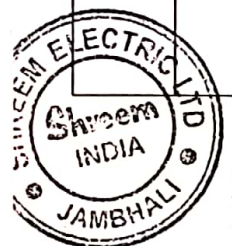
PRODUCT: MV Capacitors - 200 KVAR, 11.50 KV, 1PH, 125 KV BIL, 50Hz, External Fuse, 2 Bushing Capacitor

TEST DATE: 23.05.2018 to 01.06.2018

QTY. ORDERED: 57 Nos.

QTY. OFFERED: 57 Nos.

Sr. No.	Clause No	Test Item	Standard Requirements/ Specifications	Test Result	Remarks
1.		KVAR Rating	200 KVAR	1) 206.49 KVAR 2) 206.07 KVAR	PASS
2.		Voltage Rating	11.50 KV	11.50KV	PASS
3.		Basic Mfd Value (in Mfd)	4.81 μ F Basic Value (Tolerance 4.57 μ F to 5.29 μ F)	1) 4.97 μ F 2) 4.96 μ F	PASS
4.		Sr. No. of the Capacitor	SEV- 2783 to 2839	1) SEV-2834 2) SEV- 2788	PASS
5.		Capacitor Type	MV Capacitor	MV Capacitor	PASS
6.		Frequency	50 Hz	50 Hz	PASS
7.	7.1.	Capacitance Measurement	At Rated Voltage	11.50 KV	PASS
8.	7.2.	Capacitance Tolerances	-5 to +10%	-5 to +10%	PASS
9.	8.	Measurement of the tangent of the loss angle ($\tan \delta$) of the capacitor	Shall not exceed value declared by manufacture 0.00020	1) 0.000102 2) 0.000104	PASS
10.	9.	Voltage tests between Terminals (High Voltage test)	34.5 KV DC for 10 Sec.	Withstood	PASS
11.	10.	AC Voltage tests between terminals and container	50 KV AC for 60 Sec.	Withstood	PASS
12.	11.	Test of internal discharge device	50 Volts within 300 Sec.	1) 200 Sec. 2) 201 Sec.	PASS
13.	12.	Sealing Test (Leakage Test)	75°C for 2 Hrs.	No Leakage	PASS
14.		<u>Guide for Installation and Operation</u> - General - Choice of the rated voltage - Operating temperature - Installation - High Ambient air temperature - Special Service conditions - Over voltages - Overload currents - Switching and protective devices - Choice of Insulation levels - Choice of creepage distances and air clearance - Capacitors connected to system with audio-frequency remote control - Safety Requirements		The Installation manual attached	PASS
15.	13	Thermal stability test (Type Test)	During the test last 6 Hrs. the temperature of container near the top shall not increase 1°C.	Type test report No. PCD-0234 attached Page No: 8 of 14 Result: Withstood	PASS



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P/I NO.: Prof A/E/03 DATE: 07.05.2018.

BUYER: PARS KHAZEN GHARB COMPANY

SELLER: SHREEM ELECTRIC LIMITED

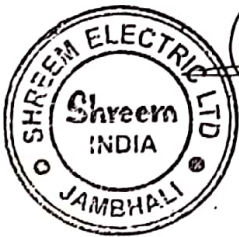
PRODUCT: MV Capacitors - 200 KVAR, 11.50 KV, 1PH, 125 KV BIL, 50Hz, External Fuse, 2 Bushing Capacitor

TEST DATE: 23.05.2018 to 01.06.2018

QTY. ORDERED: 57 Nos.

QTY. OFFERED: 57 Nos.

16.	14	Measurement of the tangent of the loss angle (tan δ) of the capacitor at elevated Temperature (Type Test)	End of thermal stability test Measurement of the tangent of the loss angle (tan δ) of the capacitor	Type test report No. PCD-0234 attached Page No: 9 of 14 Result : 0.000130	PASS
17.	15.1	AC voltage test between terminals and container (Type Test)	During the Test neither puncture nor flash over shall occur.	Type test report No. PCD-0234 attached Page No: 9 of 14 Result : Withstood	PASS
18.	15.2	Lightning impulse voltage test between terminals and container (Type Test)	During the Test neither puncture nor flash over shall occur.	Type test report No. PCD-0234 attached Page No: 10 of 14 Result : Withstood	PASS
19.	16	Overvoltage test (Type Test)	The capacitor was charged to 1.1 Un for 90 Sec. at the end of 90 sec. 2.25 Un was applied for a Capacitor for 15 \pm 2 cycles maintained again without any voltage interruption. The Capacitor was subjected to such 60 over voltage period per day. Total 5 Days.	Type test report No. PCD-0238 attached Page No: 4 of 7 Result : Withstood	PASS
20.	17	Short-circuit discharge test (Type Test)	The difference between the two measurements shall be less than an amount corresponding to one internal Fuse operation.	Type test report No. PCD-0234 attached Page No: 10 of 14	PASS
21.	18	Insulation levels	125 KV BIL	125 KV BIL	PASS
22.	19	Overloads – Maximum permissible voltage	1.30%	1.30%	PASS
23.	20	Overloads – Maximum permissible current	1.30 %	1.30 %	PASS



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STANDARD NO: IEC 60871-1

P/I NO.: Prof A/E/03 DATE: 07.05.2018.

BUYER: PARS KHAZEN GHARB COMPANY

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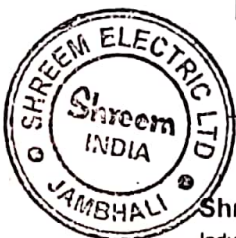
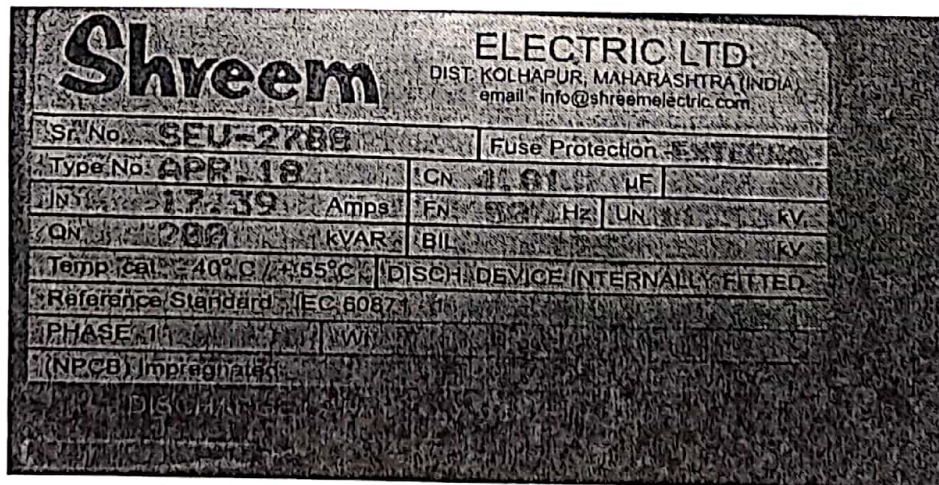
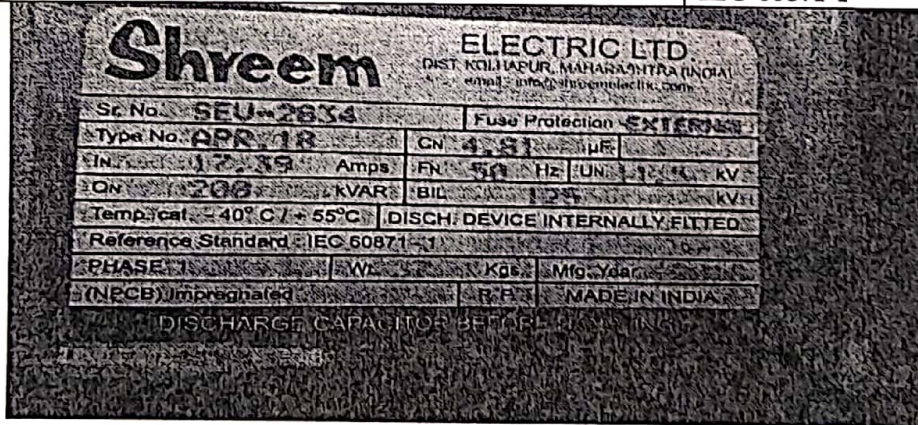
TEST DATE: . 23.05.2018 to 01.06.2018

QTY. ORDERED: 57 Nos.

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RATING PLATE DETAILS

MANUFACTURER	M/s. SHREEM ELECTRIC LTD
IDENTIFICATION NUMBER AND MANUFACTURING YEAR	SEV- 2834 & SEV-2788
RATED OUTPUT Q_N IN KVAR	200 KVAR
RATED VOLTAGE U_N IN VOLTS or KILOVOLTS	11.5 KV
RATED FREQUENCY f_N IN Hz	50 Hz
TEMPERATURE CATEGORY	-40°C / +55°C
DISCHARGE DEVICE INDICATION	Internally Fitted
INSULATION LEVEL U_i IN KV	125 KV Bil
CONNECTION SYMBOL	1 Phase
INTERNAL FUSES	External
CHEMICAL OR TRADENAME OF THE IMPREGNANT	N.P.C.B
REFERENCE TO IEC 60871	IEC-60871-1



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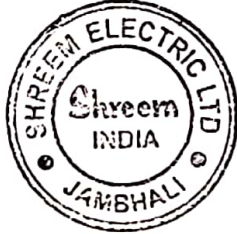
CONCLUSION:

Place and date of inspection at Shreem Electric Limited, Jambhali located in Kolhapur District on 23.05.2018 TO 01.06.2018 and the sample test performed by manufacturer. Sample test witnessed by our SAI inspector in an accredited laboratory of the manufacturer and concluded that the goods are in conformity with standard No.: IEC 60871-1.

Furthermore, we confirm that the test report is acceptable and the manufacturer's laboratory found to be as qualified

Manufacturer's Representative

S.A.I. Representative
(Premnath B. Medury)



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